

# Hazardous Materials Shipping Guide







FedEx Ground Package Systems Inc. is committed to the safe transportation of hazardous materials. It is very important that each person engaged in the transportation of hazardous materials become thoroughly familiar with the Title 49CFR (Code of Federal Regulations). This guide is intended only to assist you in your preparation of hazardous materials shipped via FedEx Ground Package Systems Inc. It is the shipper's responsibility to ensure each hazardous material package is in compliance with applicable Department of Transportation (D.O.T.) regulations and FedEx Ground Package Systems Inc. requirements. Failure to comply with these regulations and requirements may subject the shipper and carrier to fines and penalties.

Due to the changing nature of D.O.T. regulations and other information, it is impossible to guarantee absolute accuracy of the material contained in this guide. FedEx Ground Package Systems Inc., therefore, cannot assume any responsibility for omissions, errors, misprinting, or ambiguity contained within this guide and shall not be held liable in any degree for any loss or injury caused by such omission or error presented in this publication.

The *FedEx Ground Hazardous Materials Shipping Guide* is intended to simplify Title 49 CFR. FedEx Ground Package Systems Inc. reserves the right to be more restrictive than the federal regulations (49 CFR). Customers should be thoroughly familiar with the applicable sections of this guide when shipping hazardous materials via FedEx Ground Package Systems Inc. This guide reflects current dockets under final rule published on or before January 1, 2006.

# -TABLE OF CONTENTS-

TOPIC	Page #
FedEx Ground Prohibited & Allowable Hazardous Materials	1
FedEx Ground Service Restrictions and Requirements	2
Shippers Responsibilities for Documentation	17
Completed Samples of Documentation	19
Definitions and Other Terms	28
49 CFR Sections	55
Identification Number Cross Reference Index	108
How to Read the FedEx Ground Hazardous Material Table	139
FedEx Ground Hazardous Materials Table	150
Special Provisions	258
Hazardous Substance (RQ) Table	275

# FedEx® Ground Shipping Hazardous Materials Guide

# FedEx Ground PROHIBITED HAZARDOUS MATERIALS

CLASS	NAME	LABEL CODE / LABEL
1.1	Explosives	1.1 / Explosive 1.1
1.2	Explosives	1.2 / Explosive 1.2
1.3	Explosives	1.3 / Explosive 1.3
1.5	Explosives	1.5 / Explosive 1.5
2.3	Poisonous Gas	2.3 / Poisonous Gas
4.2	Spontaneously Combustible Material	4.2 / Spontaneously Combustible
4.3 *	Dangerous When Wet	4.3 / Dangerous When Wet
6.1	Poisonous Materials (Inhalation Hazards)	6.1 / Poison
6.1 *	Poisonous Materials (Non-Inhalation Hazards)	6.1 / Poison
6.2	Infectious Substance	6.2 / Infectious Substance
7	Radioactive Material II and III	7 / Radioactive Yellow II & III

\* FedEx Ground will handle these materials only when packaged in special exempted packaging, or when packaged in accordance with D.O.T. exception 49 CFR 173.13.

Important: Based on the nature of the material or the D.O.T. shipping regulations, FedEx Ground may not accept certain "acceptable" hazardous materials. <u>Always</u>, refer to Column 9 of the FedEx Ground Hazardous Materials Table for additional restrictions.

# FedEx Ground ACCEPTABLE HAZARDOUS MATERIALS

CLASS	NAME	LABEL CODE / LABEL
1.4	Explosives	1.4 / Explosive 1.4
1.6	Explosives	1.6 / Explosive 1.6
2.1	Flammable Gas	2.1 / Flammable Gas
2.2	Non-Flammable Gas	2.2 / Non-Flammable Gas
3	Flammable Liquid	3 / Flammable Liquid
4.1	Flammable Solid	4.1 / Flammable Solid
5.1	Oxidizer	5.1 / Oxidizer
5.2	Organic Peroxide	5.2 / Organic Peroxide
7	Radioactive Material I	7 / Radioactive White I
8	Corrosive Material	8 / Corrosive
9	Miscellaneous Hazardous Materials	9 / Class 9
ORM-D	Consumer Commodity (ORM-D)	ORM-D/Consumer Commodity
ORM-D	Cartridges, small arms (ORM-D)	ORM-D/Cartridges, small arms

# FedEx Ground Conditions and Requirements:

# General

All packages containing hazardous materials must be properly classified, described, packaged, marked, labeled and in proper condition for transportation according to applicable DOT regulations and FedEx Ground requirements. FedEx Ground does not accept hazardous material packages prepared under the IATA/ICAO (International Air Transport Association/International Civil Aviation Organization) regulations.

All packages offered and prepared under a DOT Special Permit (DOT-SP) must provide a copy of the Special Permit paperwork to the accepting facility (origin terminal).

All shippers must be prepared to provide a copy of the Material Safety Data Sheet (MSDS) for their materials when requested by FedEx Ground.

# Service

- Shippers must be properly qualified through a FedEx Account Executive before offering hazardous material packages via FedEx Ground. Please contact FedEx Ground Customer Service at 1-800-GO-FEDEX (1-800-463-3339) for more information.
- Hazardous materials, including ORM-D, via FedEx Ground service are acceptable within the contiguous United States. Hazardous materials, including ORM-D materials, cannot be shipped to Alaska, Hawaii or Puerto Rico. Consumer Commodity ORM-Ds only, can be shipped into Canada. However, you cannot ship Cartridges, small arms or Cartridges, power devices to Canada.
- Call Tag service is not available for hazardous materials, except ORM-D's.
- Guaranteed service may not apply to packages not properly prepared in accordance with DOT regulations and FedEx Ground requirements.
- Hazardous material shipments, including ORM-D's, are not accepted at FedEx Express drop box locations, FedEx Kinko's Office and Print Centers, FedEx World Service Center locations, FedEx Authorized ShipCenters or any unstaffed FedEx locations.

# **Material Restrictions**

Refer to column 9 of the FedEx Ground Hazardous Materials Table for additional restrictions and requirements for specific hazardous materials.

FedEx Ground does not accept:

- Reportable quantities (RQ)
- Hazardous Waste
- Any material that is an "Inhalation Hazard"
- Fireworks
- Biohazards such as blood, urine, fluids and other noninfectious diagnostic specimens.

# **Hazardous Materials Security**

Shippers and carriers are required to develop and implement a security plan addressing risks related to the transportation of hazardous materials. FedEx Ground has a Security Plan in place and is in full compliance with this regulation, along with the security-training requirements specified in 49 CFR 172.704.

**Note:** Due to the sensitive nature of this information, we cannot make a copy of our security plan available to our customers.

# Packaging

All hazardous materials must be packaged in United Nations Performance Oriented Packaging (UN POP) except when non-specification packaging is authorized by the 49 CFR. All packaging must meet the requirements set out in 49 CFR 173.24 and 173.24a. Packaging that is not in new or "like new" condition will not be accepted. In addition, the following requirements apply:

- FedEx Ground requires Fiberboard "Non-Specification Packaging" or "Strong Outer Packaging" to meet the following requirements:
  - For packages weighing up to 20 lbs. the outer package minimum requirements will be a 200 lb. Bursting test or 32 Edge Crush test package.
  - For packages weighing 21-50 lbs. a 250 lb. Bursting test or 44 Edge Crush test will be required.
  - For packages weighing 51-70 lbs. the outer container must be 275 lb. Bursting test or 55 Edge Crush test.
- Hazardous materials cannot be shipped in any FedEx packaging.
- Class 2 cylinders must be placed inside an overpack (outer package) marked "OVERPACK." Alternatively, if required by 49 CFR 173.301, the overpack

may be marked with a statement indicating that the "Inside (inner) packages comply with prescribed specifications."

- Hazardous materials cannot be banded, strapped or taped to form a bundle.
- FedEx Ground does not accept pails or drums over 8 gallons (32 liters). All pails or drums must be UN POP. We will accept authorized pails or drums as single packaging, however an incompatible fee may apply to these shipments.
- We will accept up to three different hazardous materials inside one overpack provided the materials are compatible. The materials must be packaged separately then placed in one outer package and contain three different descriptions.
- We do not accept cryogenic liquids unless properly prepared and packaged under exception 49 CFR 173.320. FedEx Ground **does not accept** flammable (Class 2.1) cryogenic liquids.
- FedEx Ground does not accept radioactive fissile material unless properly prepared and packaged under exception 49 CFR 173.453.

Combination packaging containing hazardous materials cannot exceed the innercontainer requirements. The maximum size, number and total weight of glass, plastic or metal inner containers allowed in any one package are listed below:

Type of <u>Container</u>	Max. <u>Unit Size</u>	Max. No. <u>of Units</u>	Max. Volume per Carton	Max. Wt. (Net) <u>per Package</u>			
Glass	0.5 liters 1.0 liter (1 qt.) 2.0 liters (1/2 gal.) 4.0 liters (1 gal.)	12* 6 4 2	3L (12pt) 6L (6 qt.) 8L (2 gal.) 8L (2 gal.)	Net 25 lb. Net 25 lb. Net 25 lb. Net 25 lb.			
Plastic	8L (2 gal.)	4*	16L (4 gal.)	Net 50 lb.			
Metal	4.0 liters ( 1 gal.)	4*	16L (4 gal.)	Net 50 lb.			
<ul> <li>Maximum number of units for unit size of less than 0.5L (1 pt.) glass and 4L (1 gal.) plastic or metal are not specified, however package cannot exceed the maximum volume or weight per package.</li> </ul>							

# **ORM-D** Shipments

**Cartridges, small arms (ORM-D):** Cartridges, small arms and cartridges, power devices which have been classed as a Division 1.4S explosive may be reclassed and offered for transportation as an ORM-D material when packaged in accordance with 49 CFR 173.63(b). Each package containing an ORM-D material must be marked on at least one side with the ORM-D marking. The proper shipping name of the material, **Cartridges, small arms** *or* **Cartridges, power devices**, as appropriate, must be marked above or before the ORM-D designation. No shipping paper (OP-900) or certification form (OP-950) is required for ORM-D materials transported via highway.

**FedEx Fact**: Cartridges, small arms or Cartridges, power device ORM-D materials are prohibited to Alaska, Hawaii, Puerto Rico, or Canada.

**Consumer commodity (ORM-D):** Hazardous materials that have been properly classed as a Consumer commodity (ORM-D) must be marked on at least one side with the ORM-D marking. The proper shipping name, **Consumer Commodity**, of the material must be marked above or before the ORM-D designation. No shipping paper (OP-900) or certification form (OP-950) is required for ORM-D materials transported via highway.

**FedEx Fact**: Consumer commodity ORM-D materials are prohibited to Alaska, Hawaii, or Puerto Rico. Consumer commodities are acceptable into Canada.

# **Paint Shipments**

**Paint** *or* **Paint related material:** FedEx Ground will only accept metal paint-type cans with friction fitted lids packaged and prepared in fiberboard under one of two types of packaging methods:

#### Option 1:

- United Nations Performance Oriented Packaged (UNPOP).
- A retaining ring around the lid or:
  - For gallons, 6 lid clips
  - For quarts, 5 lid clips
  - For pints, 4 lid clips

**Option 2:** If authorized by 49 CFR §173.173 or limited quantity (Ltd. Qty.), the following packaging requirements must be met:

• Fiberboard packaging must meet the following requirements:

- For packages weighing up to 20 lbs. the outer package minimum requirements will be a 200 lb. Bursting test or 32 Edge Crush Test package.
- For packages weighing 21-50 lbs. a 250 lb. Bursting test or 44 Edge Crush Test will be required.
- For packages weighing 51-70 lbs. the outer container must be 275 lb. or 55 Edge Crush Test.
- Full partitions between the inner containers and box sides.
- Fiberboard padding above and below the inner containers.
- A retaining ring around the lid or:
  - For gallons 6 lid clips
  - For quarts 5 lid clips
  - For pints 4 lid clips
- Absorbent material is required to fill the void spaces.

# **Radioactive Shipments**

**Radioactive material:** FedEx Ground will only accept radioactive material, Type A quantity, in packaging required to be labeled RADIOACTIVE WHITE-I. FedEx Ground will not accept the RADIOACTIVE YELLOW II or YELLOW III hazard labels. If shipping a Radioactive material that requires the shipping paper (OP-900) and certification form (OP-950) the following information must appear in the "Type DOT Label(s) Required, Ltd. Qty., or Special Permit" section of both forms:

- The name of each radionuclide, abbreviations are permitted.
- The physical and chemical form.
- The activity in becquerels, gigabecquerels or terabecquerels, abbreviations are permitted.
- The name of the label: RADIOACTIVE WHITE-I
- The words "Fissile Excepted" if packaged is excepted under 49 CFR 173.453.

**FedEx Fact:** FedEx Ground does not accept Radioactive Fissile material unless properly prepared and packaged under exception 49 CFR 173.453.

**Radioactive material limited quantity (Ltd. Qty.):** Radioactive materials in excepted packages for limited quantities do not require the RADIOACTIVE WHITE-I hazard label, hazardous material shipping paper (OP-900) or certification form (OP-950). Radioactive packages in limited quantities must conform to 49 CFR 173.421. The outside of the inner packaging or, if there is not inner packaging the outside of the package itself must have "Radioactive" marked on the package. The outside of each package must be marked with the four digit UN identification number for the material preceded by the letter UN.

**<u>Note:</u>** Radioactive material meeting the definition of another hazard class or division cannot be transported or prepared under the limited quantity exceptions.

#### \* \* IMPORTANT \* \*

**Note:** Immediate notification to the FedEx Ground Hazardous Materials Administration, PGH Safety Department, is required for incidents involving <u>any</u> damaged or leaking package containing a radioactive material (see 49 CFR 171.15 and 171.16)

# Training

Hazardous material training is required for all employees who perform a hazardous material function. It is the duty of each hazmat employer to comply with the training requirements listed in 49 CFR 172.704.

FedEx Ground offers hazardous materials training via the online ShipSafe.ShipSmart. Hazardous Materials Training Program. The training curriculum includes the following:

- Rules and Regulations (Ground Shipping only)
- Hazard Classes and Divisions
- Shipping Papers
- Packaging (Non-Bulk Only)
- Marking and Labeling
- ORM-D Classification

The course is available at www.shipsafeshipsmart.com and is payable by credit card only. The cost for the class is \$150.00. A discount is available for groups of more than three students. To obtain a discount please call 1-800-762-3744, ext. 6753 or ext. 2539.

# Material Exceptions

#### Carbon Dioxide, solid (Dry Ice)

Carbon Dioxide, solid or Dry Ice is not regulated as a hazardous material when shipped via highway transportation. Dry Ice is only regulated as a hazardous material when shipped via aircraft. However, caution should be considered when transporting large amounts of Dry Ice via highway.

Dry Ice used to refrigerate diagnostic specimens (BIO-HAZARDS), such as blood, urine, and tissues, are NOT ACCEPTED by FedEx Ground.

Dry Ice is not accepted to Alaska, Hawaii, Puerto Rico, or Canada.

#### **Small Quantity Exceptions**

Hazardous materials that are less than 30 ml (1 ounce) may possibly be shipped as a small quantity. In order, to utilize the exception the package must be packaged and prepared according 49 CFR 173.4. Small quantities, when packaged and prepared under 49 CFR 173.4, do not require hazardous material shipping papers, certification forms, marking or labeling of the package. However, the outer package must be marked as "This package conforms to 49 CFR 173. 4." Lithium batteries and cells are not eligible for this exception. The following requirements must be met:

- Materials are packaged under 49 CFR 173.4
- Less than 1 oz. per inner container
- Gross weight of the completed package can not to exceed 64 pounds.
- Package must be marked with statement "This package conforms to 49 CFR 173.4."
- No shipping papers required
- No hazard labels or Identification markings

#### Lighters or Lighter Refills

Lighters and lighter refills must be shipped as hazardous materials via FedEx Ground. FedEx Ground does not honor 49 CFR 173.308. Also, all Lighters and Lighter refills in accordance with special provision N10, must be approved and have the T-\*\*\* marked on the outer package and shipping papers.

#### Air bag inflators, or Air bag modules, or Seat-belt pretensions

The manufacturer must submit each design type of air bag inflator, air bag module, or seat-belt pretensioner to the Associate Administrator for examination and testing. The manufacturer will receive written notification from the Associate Administrator that the device has been approved for transportation and assigned an EX number that must be listed on the shipping paper. When recycling an air bag inflator, air bag module, or seat-belt pretensioner, "Recycled" must be listed on the shipping paper after the basic description.

#### Lithium Batteries

Lithium batteries and cells shipped in compliance with 49 CFR173.185 are not subject to the hazardous material regulations other than listed in that exception. Please note, lithium batteries shipped under the exception 49 CFR 173.185 (b) or (c) are required to mark packages of primary lithium batteries with the text, "PRIMARY LITHIUM BATTERIES – FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT." This marking requirement applies to excepted packages being shipped by all modes of transportation. Packages shipped under 49 CFR 173.185 (e) with shipping papers and the Class 9 diamond would not need the statement. The shipper is required make this determination.

#### Black/Smokeless Powder for Small Arms

Black powder for small arms and Smokeless powder for small arms are very similar commodities. Both powders can be reclassified from Class 1 to Class 4.1, Flammable Solids. Furthermore, one vehicle cannot carry more than 100 lbs of Black powder for small arms or Smokeless powder for small arms at any given time.

#### Matches, safety

Matches, safety (Class 4.1-Flammable Solid) may not be regulated as a hazardous material if packaged and prepared under certain conditions. The 49 CFR allows an exception to the hazardous material regulations. Matches, safety, when packaged and prepared under 49 CFR 173.186, do not require hazardous material shipping papers, certification forms or hazard diamond labels when properly prepared. The only requirements for the outside (outer) package would be to have the DOT Shipping Name and UN Identification Number marked on the package:

Matches, safety UN 1944

Refer to 49 CFR 173.186 for further details regarding matches.

# Mercury

Mercury (Class -8- Corrosive) may not be regulated as a hazardous material if packaged and prepared under certain conditions. 49 CFR allows an exception to the hazardous material regulations. Mercury, when packaged and prepared under 49 CFR 173.164, do not require hazardous material shipping papers, certification forms, marking or labeling of the package when:

•The mercury is contained in instruments or articles (i.e. thermometers, barometers or fluorescent lights *or* 

•The package does not contain more than 1lb. (.45kg) net quantity of mercury per package

# **Qualification Process**

In order to ship hazardous materials via FedEx Ground, shippers must complete a qualification process before they can ship hazardous materials. To begin this process, contact your FedEx Account Executive who can assist you or call FedEx Customer Service at **1.800.GoFedEx (1.800.463.3339)**.

#### Qualification process:

- Complete a hazardous materials qualification form (OP-910).
- Provide information on the hazardous materials you'll be tendering to FedEx Ground. You can complete a sample hazardous materials certification form (OP-950) or prepare a spreadsheet listing the hazardous materials you ship.
- Provide proof that you have been trained in shipping hazardous materials in accordance with federal requirements (49 CFR 172.704). Acceptable forms of proof are:
  - 1. A certificate from a training company stating that you have completed its program. This certificate must contain the date in which the course was completed.
  - 2. A letter on company letterhead indicating who is responsible for hazardous materials training at your company and confirming that your employees have received the required training.
  - 3. Completing the ShipSafe.ShipSmart. online hazardous materials training program.

Your FedEx Account Executive will forward this information to the FedEx Ground Safety Department for review and notify you once you've been approved to begin shipping.

# **Hazardous Materials Shipping Papers**

A hazardous materials shipping paper (OP-900, OP-900B, OP-900LG or OP-900LL) and hazardous material certification form (OP-950) are documents used to identify the hazardous materials package(s) being offered for transportation. It is the shipper's responsibility to ensure when offering hazardous material packages, that each package is accompanied with the appropriate documentation and that all forms are accurate and complete.

To meet DOT shipping paper and certification requirements, FedEx Ground uses the following forms:

Feelex Shipper's NAM	E &ADDRESS				PPER NUMBER:	EMERGENCY CONTACT NUMBER:
HAZARDOUS MATERIALS CERTFICIATION				DAT	E / /	This telephone number is for emergency response information
Abbreviations not permitted except where noted.				MARK /	ANY SPOILED SHEET "VOID" AND GI	VE TO
DOT SHIPPING NAME OF MATERIAL (Additional entries if applicable)	HAZARD CLASS OR DIVISION NUMBER	IDENTIFI- CATION NUMBER	PACKI- ING GROUP	WEIGH	TYPE DOT LABEL(S) REQUIRED OR LTD. QTY. OR SPECIAL PERMIT	RECEIVER'S NAME CITY & BARCODE PACKAGE # STATE
4						
2						
3						
4						
\$						
6						
THIS IS TO CERTIFY THAT THE ABOVE-NAMED I MARKED AND LABELED, AND ARE IN PROPER C REGULATIONS OF THE DEPARTMENT OF TRANS HAZARDOUS MATERIALS CAN <u>ONLY</u> BE SHIPPE HAZARDOUS MATERIALS AND ORM-DS ARE <u>PRC</u>	ONDITION FOR 7 PROTATION. D IWTHIN THE 4	FRANSPORT 8 CONTIGUC	ATION AC	CORDING	TO APPLICABLE	1623951

#### • Shipper's Hazardous Materials Certification, OP-950:

<u>Note</u>: Shippers on automated devices (shipping systems) will have similar forms. All forms must have the appropriate DOT and FedEx Ground shipping information.

Hazardous Materials Label, OP-900:

		Fed int	HAZARDO	US MATERIAL	S
	HM	FedEx GROUND S	HIPPER NUMBER	EMERGENCY CONTACT NU	MBER
	To Shipper: Complete all boxes.	DOT	Shipping Name of Material	(Additional Entries If Applicable)	-
E882-Ma 05/05	Press firmty with ball point pen. All copies paint be readable. Remove backing and attach to pockage near ship- ping tabel. To Loader:				RINTED IN THE US
•	Tear off copy & place in national for the place in national server to be place in the place of t	Hazar	d Class or Division Number	Identification Number	Packing Group
120021	Carry hazardous maturials envelope (with these slips) in vehicle cab during	Weight	Type DOT Label(e), Ltd. Qty	y., Exemption Number or Required I	nformation
_	CP-900 0/05	SHIPPER: U	ise ball point pen and pres	a firmly when preparing this for	m.

**<u>Note</u>**: The OP-900 can be hand written and does not need to be computer generated.

# Hazardous Materials Label, OP-900LG:

4 HOUR EMERGENCY TELEPHONE NUMBER	PACKAGE REFERENCE	ACCOUNT NUMBER
Proper Shipping Name, Class or Division, UN	Number or Identification Number. Packing Group (if required), all o	ther required information, and mass/capacity.
RECEIVER		TRACKING NUMBER
RECEIVER		TRACKING NUMBER
RECEIVER		TRACKING NUMBER
		TRACKING NUMBER
ABELS	PPERS CERTIFICATION	TRACKING NUMBER

<u>Note</u>: The OP-900LG is designed to meet the specifications for specific hazardous material shipping systems. This form must be computer generated.

#### Hazardous Materials Label, OP-900LL:

FedEx Ground offers a laser label OP-900 shipping paper. The label is placed into a pouch on the side of the package. The instructions for use are listed on the back of the laser label. In order to use the laser label software must be purchased for one of the vendors who offer this software. Please contact the vendor's listed below directly to purchase this software.

DANGERIOUS GOODS COUNCIL 1-800-652-9959 www.hazshipper.com

LABELMASTER 1-800-621-5808 www.labelmaster.com

LABELMASTER SOFTWARE 1-800-578-4955 www.labelmaster.com/software





Note: The OP-900LL must be computer generated.

# DOT Basic Description for Hazardous Materials

#### Basic Information:

The description of the hazardous material information on the shipping papers (OP-900) and certification form (OP-950) must be as described in accordance to DOT regulations. There are eleven (11) basic items required on shipping papers accompanying hazardous materials packages. The shipper or the shipper's agent must supply this information. All entries on the shipping papers must be made printed legibly and in English. The shipping papers cannot contain unauthorized abbreviations or information. The eleven basic items are:

#### 1. Name and address of the shipper.

**Note**: The shipper's name and address is not on the FedEx Ground Hazardous Materials Shipping Paper (OP-900). The shipper's address label on the package will suffice provided it identifies the shipper by name and address. The shippers information must be completed on the certification form (OP-950).

2. The **DOT proper shipping name** as listed in Column 2 of the Hazardous Materials Table. Abbreviations and codes are not acceptable.

**Note**: Words shown in italics are not part of the shipping name, but can be used to further describe the material. The words in italics are optional.

3. The **Hazard Class or Division** is listed numerically as shown in Column 3 of the Hazardous Materials Table. The subsidiary hazard must appear in parentheses following the primary hazard. Abbreviations and codes are not acceptable.

4. The **UN/NA identification number** is listed in Column 4 of the Hazardous Materials Table.

Note: The number must be preceded by the UN or NA prefix.

5. The **Packing Group**, if required (see Column 5 of the Hazardous Materials Table). Packing groups must be roman type numbers (ex. I, II, III). Classes 2, 7 and some Class 9 materials are not assigned packing groups.

6. The **total quantity (weight)** by mass, capacity or as otherwise appropriate for the hazardous material including the unit of measurement.

**Note**: FedEx Ground requests the quantity (weight) of hazardous material be indicated in pounds (lbs). This is to allow FedEx Ground the ability to tally the weight of hazardous material on a vehicle. Units of measure may be abbreviated.

The following abbreviations are authorized:

Ounce = oz. Gallon = gal.	Pound = lb. Liter = L	Gram = g. Quart = qt.	Kilogram = kg. Pint = pt.
Conversions:			
1 kg. = 2.2 lb.	1 lb. = 0.454 kg.	1 kg = 1000 g.	1 lb. = 16 oz.
1 L. = 1.06 qt.	4 qt. = 1 gal.	1 qt. = 0.95 L.	1 qal. = 3.78 L.

Note: 1 Gallon of water weighs approximately 8 lbs.

7. The **Type DOT Label(s)** required from Column 6 of the Hazardous Materials Table. Abbreviations and codes are not acceptable.

**Note**: If a hazardous material requires more than one label on the package, all labels must be entered on the shipping papers.

**Note**: Other information may be required. No label name is required if a Special Permit or exception is used.

**Note**: If NONE appears in column 6 of the Hazardous Materials Table, then no label is required and this section of the shipping paper may be left blank.

# 8. The Consignee's (Recipient's) name and address.

**Note**: The consignee's (recipient's) name and address is not on the FedEx Ground Hazardous Material Shipping Paper (OP-900). The shipper's address label will suffice provided it identifies the consignee (recipient) by name and address.

9. The **FedEx Ground barcode shipper and package number(s)** for the hazardous materials package(s).

10. The **Shipper's Certification** on the Shipper's Hazardous Materials Certification, OP-950, must be legibly signed by an authorized representative of the shipper.

**Note:** The signature may be hand written or computer generated.

# 11. Emergency Response Telephone Number.

**Note**: The emergency response telephone number section on the FedEx Ground Shippers Hazardous Materials Certification, OP-950, may be used only if

the telephone number applies to all hazardous materials package listed. If not, a separate telephone number must be indicated for each package. This must be a US number with English speaking representatives 24 hours per day.

#### Additional Description Information

1. If a hazardous material has a generic shipping name, the technical name of the hazardous component may be required to be entered in parentheses with the basic description. If the letter "G" appears in column 1 of the FedEx Ground Hazardous Material Table, a technical name is required.

For example: Compound Cleaning Liquids (hydrochloric acid).

2. If the hazardous material is a mixture or solution of two or more hazardous components, the technical names of at least two components most predominantly contributing to the hazard must be entered. If the letter "G" appears in column 1 of the FedEx Ground Hazardous Material Table, a technical name is required.

# For example: Flammable Liquids, corrosive, n.o.s. (Ethanol, Sodium Hydroxide).

3. If the hazardous material meets the definition of a DOT Poison but the shipping name or hazard class does not indicate a Poison, the word "Poison" must be included on the shipping papers with the basic description. If the hazardous material has a N.O.S. generic shipping name, the technical name of the poison component must be entered in parentheses with the basic description. Materials, which pose an inhalation hazard, must have the notation "Poison Inhalation-Hazard Zone " entered on the shipping papers.

<u>Note</u>: FedEx Ground **does not** accept hazardous materials, which require the "Poison Inhalation Hazard Zone" labeling.

<u>Note</u>: FedEx Ground will only handle Poisonous materials if they are packed in an approved package that has been granted a DOT Special Permit (i.e., DOT-SP 9168) which precludes the requirements for a "Poison" or "Poison PG III" Label.

- 4. Hazardous Materials which are shipped in a package which has a DOT authorized packaging Special Permit must bear the additional description "DOT-SP" followed by the assigned special permit number.
- 5. Hazardous materials which are shipped under the EXCEPTION packaging rules in Column 8(a) of the Hazardous Materials Table may not be subject

to labeling (except for 6.1 materials) and placarding requirements; however, "Limited Quantity" or "Ltd. Qty." must appear on the shipping papers after the basic description.

6. A hazardous material, which is labeled "Dangerous When Wet", must have the same notation on the shipping papers.

<u>Note</u>: FedEx Ground will only handle "Dangerous When Wet" materials if packed in an approved package that has been granted a DOT Special Permit or exception, which precludes the placarding requirements.

7. A hazardous materials package that contains a reportable quantity of a hazardous substance must be identified with the letters "RQ" before or after the proper shipping name on the shipping papers. Please refer to the RQ section for the list of hazardous substances (RQ).

**<u>Note</u>**: FedEx Ground does not handle any hazardous material, containing a reportable quantity (RQ) of a hazardous substance.

8. Radioactive materials require additional shipping paper notations. Detailed information regarding shipping paper requirements for radioactive materials can be found in 49 CFR 172.203 (d) of the Hazardous Materials Regulations or in the Radioactive Shipments section of this guide.

#### Shipper Procedures for Hazardous Materials Documentation

#### Shippers Hazardous Material Certification (Form OP-950)

The Shipper's Hazardous Materials Certification, OP-950 is a two (2)-part form, which will be completed by the shipper and distributed as follows:

- The original (gray copy) will be given to the FedEx Ground driver on pickup to be returned to the facility. The driver will turn in the FedEx Ground copy of the OP-950 to the facility management to be filed in a Shipper's Hazardous Materials Certification file for 13 months.
- The copy (yellow copy) will be retained as the shipper's copy.

**Note**: The OP-950 must be complete, agree with the Hazardous Materials Table, contain no unauthorized abbreviations, and be signed by the shipper. If the OP-950 is not correct the shipment will be held until the paperwork is correct. A Shipper Error Notification (OP-908) may be faxed to the shipper in order to obtain the correct paperwork. (See example on the next page).

# HAZARDOUS MATERIAL SHIPPER ERROR NOTIFICATION

To:\_\_\_\_\_\_Fax:\_\_\_\_\_

From FedEx:

Return Fax:

-Fooley -	SHIPPER'S NAME AADDS	<u> </u>			SHIPPER NUMBER:	EMERGENCY CONTACT NUMBE	R 4
						This to le phone num ber is for om ergency respon	
HAZARDOUS MATERIALS					(3)	historen phone num ber is for em ergen cy respon	te is form a fies
CERTIFICATION						<b>'</b>	
Abbreviations not permitted except where noted.			1		MARKANY SPOILED SHEET	VOID" AND GIVE TO DRIVER	
D.O.T. SHIPPING NAME OF MATERIAL (A d d itional entries ifrapplicable)	HAZARD CLASS OR DIVISION NUMBER	ID EN T IF I- C A T IO N N U M B E R	PACK- ING GROUP	WEIGH	TYPED.O.T. LABEL(S) REQUIREDORLTD.QTY.OR EXEMPTIONNUMBER	RECEIVER'S NAME, CITY & STATE (Abbreviations permitted)	TRACKING I.D. BARCODEPACKAGE
5 6	7	8	9	10		12	13
	↓ ↓		+	↓	+		+
THIS IS TO CERTIFY THAT THE ABOVE - NAME	D M A T E R IA L S A	REPROPERLY	CLASSIFI	ED, DESC	R IB E D , P A C K A G E D ,		
MARKED AND LABELED, AND ARE IN PROPE	R C O N D IT IO N F	ORTRANSPOR	TATIONA	CORDIN	G T O A P P L IC A B L E		
REGULATIONS OF THE DEPARTMENT OF TR						(14)	
HAZARDOUS MATERIALS CAN ONLY BESHIP HAZARDOUS MATERIALS AND ORM-DSARE				S VIA G R			

- 1. \_\_\_\_\_The Shipper's name and address must be complete.
- 2. The Shipper number must be the Ground account number or the Express account number.
- 3. \_\_\_\_\_The date must be the date of pick-up.
- 4. Shipper must provide a 24-hour emergency response telephone number (including area code) for use in the event of an emergency involving the HazMat listed.
- 5. \_\_\_\_\_ The proper shipping name must be the listed exactly as it is in the 49 CFR 172.101 Hazardous Materials Table no misspelling or abbreviations.
- 6. \_\_\_\_\_The technical name must be listed in parenthesis after the proper shipping name if there is a "G" in column 1 of the HazMat table.
- 7. \_\_\_\_\_The hazard class must be listed numerically and the subsidiary hazard class, if applicable, must be listed in parenthesis after the primary hazard class.
- 8. \_\_\_\_\_The identification number must include the UN or NA prefix and a 4-digit number and match the proper shipping name.
- 9. The packing group must be listed as a Roman numeral I, II, or III. This can be left blank if not applicable.
- 10. The weight must contain the number and the unit of measure, such as lbs. or gal.
- 11. \_\_\_\_\_ The type DOT labels listed in Column 6 of the HazMat table cannot be abbreviated. Additional information, such as Limited Quantity, DOT Special Permits, T-#s, Ex-#s, and CA-#s may be listed in this column.
- 12. \_\_\_\_\_ The receiver's name, street address, city, state, and zip must be listed here. Ditto marks are acceptable in this column only.
- 13. \_\_\_\_List the tracking ID here 15-digit for the total tracking ID number or the last 8 digits, which is the package number.
- An authorized representative of the shipper must legibly sign the Shipper's Certification on the Shipper's Hazardous Materials Certification, OP-950. The signature may be mechanically typed or computer generated.
- 15. \_\_\_\_\_This is an incorrect or unauthorized form. Contact your account executive for an updated version.

Please make the necessary corrections to your original OP-950 and return by fax to the number listed above. The Department of Transportation regulations mandate that you maintain a copy of the shipping papers for 375 days. Your package may be held or delayed until the correct paperwork is received.

#### Instructions for the use of the shipping papers (OP-900):

The OP-900 is the basic Hazardous Materials Shipping Paper, which accompanies the hazardous materials shipment in transit. It consists of a multipart label with five (5) "tear-off" parts. This form will be completed by the shipper and attached to the hazardous materials package. The hazardous materials entries on the form must agree exactly with the information on the Shipper's Hazardous Materials Certification and the mandatory marking and labeling information on the hazardous materials package.

#### SAMPLE HAZARDOUS MATERIALS CERTIFICATION FORM (OP-950):

	ER'S NAME & ADDRESS XYZ Chemical Co.			SHIP	PER NUMBER: 1 2 3 4 5 6 7	EMERGENCY CONTAG	CT NUMBER: -123-4567
Ground HAZARDOUS MATERIALS CERTFICIATION	123 Steelers St. Pittsburgh, PA 152	05		DAT	12 / 15 / 0	5 This telephone number is for response information.	
Abbreviations not permitted except where no	HAZARD			MARK A	ANY SPOILED SHEET "VOID" AND G	IVE TO	
DOT SHIPPING NAME OF MATERIAL (Additional entries if applicable)	CLASS OR DIVISION NUMBER)	IDENTIFI- CATION NUMBER	PACKI- ING GROUP	WEIGHT	TYPE DOT LABEL(S) REQUIRED OR LTD. QTY. OR SPECIAL PERMIT	RECEIVER'S NAME CITY & STATE (Abbreviations permitted)	TRACKING I.D. BARCODE PACKAGE #
JFlammable_Liquids_0.o. (contains_Methanol)	s 3	UN 1993	111	25 lb.	Flammable Liquid	Jett-Taylor Co. Herrington, WV 26169	12345678910111
2Primers, Cap Type	1.4B	UN 0378	11	10 lb.	Explosive 1.4B, EX#123456789	Lyles & Harper Co. Aston, PA 15108	12345678910111
<sup>3</sup> Toxic, liquids, organic, n (N-Methylaniline)	.o.s. 6.1	UN 2294	111	16 oz.	DOT-SP 11248	Hanchulak-Withrow Christy, PA 15108	12345678910111
4 Paint	3	UN 1263	II	32 oz.	Limited Quantity	BOSKO Corp. Humm City, PA 15108	12345678910111
Flammable Liquid, Corro n.o.s. (contains Methano Potassium Hydroxide)		UN 2924	II	55 lb.	Flammable Liquid, Corrosive	Yeater-Teams, Inc Manns, OH-40222	12345678910111
6Argon, compressed	2.2	UN 1006		3 lb.	Non-Flammable Gas, Limited Quantity	Swantek, Co. Semperik, OH 40222	12345678910111
THIS IS TO CERTIFY THAT THE ABOV MARKED AND LABELED, AND ARE IN REGULATIONS OF THE DEPARTMENT HAZARDOUS MATERIALS CAN <u>ONLY</u> HAZARDOUS MATERIALS AND ORM-	PROPER CONDITION FOR OF TRANSPROTATION. BE SHIPPED IWTHIN THE 4	TRANSPORT 48 CONTIGUO	ATION AC DUS STATE	CORDING	TO APPLICABLE	signature_Scott_	Kerr

#### SAMPLE HAZARDOUS MATERIAL SHIPPING PAPERS (OP-900):

#### OP-900 Example #1: Exception 49 CFR 173.13

Shipping papers prepared under 49 CFR 173.13. Packages prepared under this exception do not require DOT hazard labels. The statement "This package conforms to 49 CFR 173.13" must also be marked on the outer package.

		Fed and								
	HM	FedEx GROUND SH 1234567	HIPPER NUMBER	EMERGENCY CONTACT NUE 412-123-4567	MBER					
8	To Shipper: Complete all boxes. Press firmly with ball	DOTS	Shipping Name of Material (A	dditional Entries If Applicable)		P8				
68852MB 051	pont pen. Al copies must be readable. must be readable. network backing and attach te package near ship- package near ship- pac		NTED IN THE U							
°	Tear off copy & place in hazardous materials envelope. To Driver:	Hazard 6.1	Class or Division Number	Identification Number UN1888	Packing Group	SA SA				
130623	Carry hazardous materials envelope (with these slips) in Vehicle cab dennig	Weight 32 oz.		Exemption Number or Required I onforms to 49CFR 1						
	CP-400 0/06	SHIPPER: U	e ball point pen and press	firmly when preparing this for	m.	ı —				

**OP-900 Example #2: Limited Quantity** 

Shipping papers prepared under the limited quantity provisions of 49 CFR 173.154, do not require a diamond label. However, the shipper may choose to indicate the name of the label on the proper documentation as well as affixing the hazard label on the outer package.

		Fed and	HAZARDOU	IS MATERIAL	6	1					
	HM	FedEx GROUND 59 1234567	HIPPER NUMBER	EMERGENCY CONTACT NU 412-123-4567	MBER						
8	Complete all boxes Press firmly with t	DOT:	Shipping Name of Material (A	dditional Entries If Applicable)		P9					
8 4	Sound pen. Al cope must be readfable. Remove backing and attach te	Chlorine	Chlorine Solution								
069852	To Loader:					THEUS					
	piace in nazardou materials envelop To Driver:	Hazard 8	I Class or Division Number	Identification Number UN1908	Packing Group	-					
8	Carry hazardous materials envelop	Weight		Exemption Number or Required I	nformation						
801	(with these slips) vehicle cab duting	16 oz.	Corrosive, Lim	nited Quantity							
	CP-900 6/06	SHIPPER: U	se ball point pen and press	firmly when preparing this for	m.	I —					

#### OP-900 Example #3: LTD. QTY.

Shipping papers prepared under the limited quantity provisions of 49 CFR 173.150. The DOT diamond labels are not necessary when prepared as a limited quantity. Shippers can abbreviated the words limited quantity as LTD. QTY.

	HM	1234567	HIPPER NUMBER	EMERGENCY CONTACT NU 412-123-4567	MBER	
8	Complete all boxes. Press firmly with ball	DOT Shipping Name of Material (Additional Entries If Applicable)				20
Wa 09	Remove backing and attach to package near ship-	Paint			N	NTED N T
06995	ping tibel.     To Loader:     Takt off copy &     Hazard Class or Division Number     Identification Number Pi					HEUSA
	To Driver: 3 UN1263			Group		
Received the second sec		10 lb.	Type DOT Label(e), Ltd. City., LTD. QTY.	Exemption Number or Required I	nformation	
	CRASSING SHIPPER: Use ball point pen and press firmly when preparing this form.				m. –	_

#### **OP-900 Example #4: DOT Special Permit**

FedEx Ground may require certain materials to be shipped using a DOT Special Permit or shippers may be utilizing a DOT Special Permit for other reasons. When shipments are prepared under an applicable DOT Special Permit, the shipping papers and certification form must reflect the appropriate DOT-SP number.

						1
	HM	FedEx GROUND SH 1234567	IIPPER NUMBER	EMERGENCY CONTACT NUI 412-123-4567	MBER	
	To Shipper: DOT Shipping Name of Material (Additional Entries If Applicable) Press firmty with ball					3
CEREIRIANS OSI	Toxic, liquids, organic, n.o.s. (thioglycol)					NTED IN THE US
	<ul> <li>Tear off copy &amp; place in nazardous materials envelope.</li> <li>To Driver:</li> </ul>				Packing Group	\$
130623	Carry hazardous materials envelope (with these slips) in Senicle cab dennig	Weight Type DOT Label(e), Ltd. City., Exemption Number or Required Information 16 oz. DOT-SP-9168				
GROUP CANCEL CAN					ı	

#### **OP-900 Example #5: Radioactive**

Radioactive shipments require important information in the Type DOT Label(s) Required, Ltd. Qty., or Special Permit field of the hazardous materials shipping papers. Please refer to the Radioactive section for more information concerning Radioactive shipments.

				1		
	HM	1234567	EMERGENCY CONTACT NUMBER 412-123-4567			
8	To Shipper: Complete all boxos. Press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies Remove boxong and attach te press firmity with ball point pan. At copies press firmi					
068852Mb 061						
Tear off copy & place in nazindous materials envelope. To Driver:		Hazard Class or Division Number	UN2982 II	*		
130023	Carry hazardous materials envelope (with these slips) in vehicle cab definig	Weight         Type DOT Labeliei, Ltd. Cty., Exemption Number or Required Information           40 TBq         Radioactive White I, Cs-131, 40TBq, liquid Cesium in				
	09-900 6/06	Solution SHIPPER: Use ball point pen and press firmly when preparing this form.				

#### OP-900 Example #4: Technical name required

Some DOT Proper Shipping Names require a technical name to be included. Proper shipping names that must include a technical name in parentheses are indicated by the letter "G" in column 1 of the Hazardous Materials Table. Although the letters "n.o.s." often indicates a required technical name, not all shipping names with "n.o.s." require them. Always refer to column 1 for the letter "G" of the Hazardous Materials Table for information.

	HM	HAZARDOUS MATERIALS           Fedex GROUND SHIPPER NUMBER           1234567			S MBER	PRI
8	Complete all bosos. Press firmly with ball	DOT Shipping Name of Material (Additional Entries If Applicable)				
C6862Mb 05	Componds, cleaning liquid (contains ethyl alcoho					
Ť	<ul> <li>Tear off copy &amp; place in hazardous materials envelope.</li> </ul>	Tear off copy & pace in hazardous Hazard Class or Division Number Identification Number Pack matinate servatop.				2
	To Driver:	3 NA1993 I				
8	Carry Nazardous Weight Type DOT Label(e), Ltd. Qty., Exemption Number or Required Info St. Carry Nazardous				nformation	
5 lb. Flammable Liquid						
	CROSSING SHIPPER: Use ball point pen and press firmly when preparing this form.					- I

# <u>Marking</u>

All packages must be properly marked in accordance with 49 CFR requirements. FedEx Ground requires all packages to have a minimum of four package markings.

- 1. Shippers Address
- 2. Consignee (Recipient) Address
- 3. The DOT Proper Shipping Name
- 4. The UN/NA Identification Number

Hazardous materials packages may be required to be marked with additional information depending on the contents.

- EX numbers may be required to be marked on the package and/or shipping papers for certain explosives or air bags (Non-Flammable Gas & Class 9). The shipping papers require the EX number to be marked in the 'Type DOT Label(s) required, Ltd. Qty. or Special Permit field' of the OP-900 and OP-950.
- Often, hazardous materials are authorized by the DOT to be transported under a Special Permit. This Special Permit may vary depending on the intent of the shipper. This Special Permit number must be marked on the shipping papers and the outer package. DOT-SP-#### must be legibly marked on the outside package. Packages shipped under a DOT Special Permit number must mark the DOT SP number on the shipping papers in the 'Type DOT Label(s) required, Ltd. Qty. or Special Permit field' of the OP-900 and OP-950. For example, DOT-SP-9168.
- Packages shipped under the exception 49 CFR 173.13 must have marked on the shipping papers and package: "This package conforms to 49 CFR 173.13" in the same field on the OP-900 and OP-950.
- When specification packaging is required, the UN POP marking will be embossed on the outer package. These codes will vary depending on the performance and type of packaging. See the packaging section for further details. The UNPOP (United Nations Performance Oriented Packaging) markings are required to be permanently marked on the outer package. For example: UN 4G/X12/S/99/USA/M123. This mark should never be covered or obstructed by labels or other information.
- Class 2 cylinders must be placed inside an overpack (outer package) marked "OVERPACK." Alternatively, if required by 49 CFR 173.301, the overpack may be marked with a statement indicating that the "Inside (inner) packages comply with prescribed specifications."
- All Lighters or Lighter refills identified as UN1057 must have the appropriate "T" number marked on the package.

Each package containing a material classed as an ORM-D must be marked on at least one side immediately following or below the proper shipping name: *Consumer Commodity, Cartridges, small arms* or *Cartridges, power device* as appropriate. The ORM-D designation may be handwritten or applied by label. The ORM-D designation must be placed within a rectangle that is approximately 6.3 mm (0.25 inches) larger on each side. It is important to remember that the marking ORM-D is the certification by the person offering the packaging for transportation that the material is properly described, classed, packaged, marked and labeled (when appropriate) and in proper condition for transportation according to the 49 CFR.

All liquid hazardous materials and Class 7 Radioactive must be legibly marked, with package orientation arrows on two opposite vertical sides of the package. They may be hand drawn or affixed by a label and they must conform pictorially to ISO Standard 780-1985: two arrows up with a line underneath and enclosed within a rectangle. Depicting a rectangular border around the arrows is optional.

#### <u>Labeling</u>

Hazardous Materials packages offered to FedEx Ground must be properly labeled. The hazard diamond label is the most prominent form of communication on a hazardous materials package. The label is diamond in shape and must be displayed on a package of contrasting color. The hazard label is associated with the hazard class and division of the material.

There are some hazardous materials that possess more than one hazard. For these packages the subsidiary hazard label must be displayed within 6 inches of the primary hazard label.

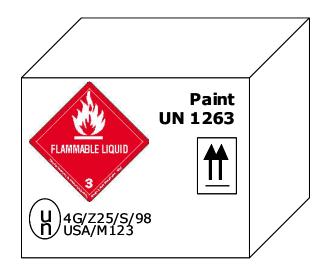
Exceptions to labeling:

- Packages shipped as a Limited Quantity may be exempted from the labeling requirements.
- Packages offered and prepared under a DOT Special Permit may be exempted from labeling.
- Packages prepared under 49 CFR 173.13 do not require a hazard diamond label.

# COMPLETED PACKAGE EXAMPLES:

All packages must have the hazardous material shipping paper (OP-900) properly prepared and attached on top of the outer package next to the address label and must include the 'TO' (recipient) and 'FROM' (shipper) addresses. These illustrations are for information purposes only.

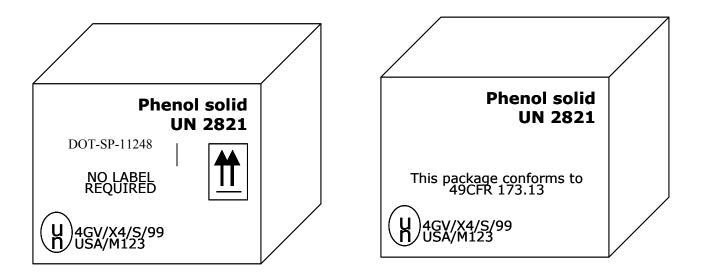
# Example #1: Flammable Liquid (Class 3)



# Example #2: Toxic (Class 6.1)

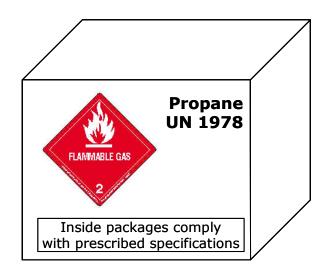


**Option 2: 49CFR 173.13** 



**Note:** In either option, the DOT diamond hazard label will not be affixed.

Example #3: Flammable Gas (Class 2.1)

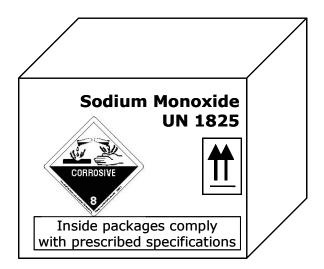


**Note:** All Class 2 (except Lighters-UN1057) materials must be properly overpacked.

# Example #4: <u>Authorized</u> Single Packaging

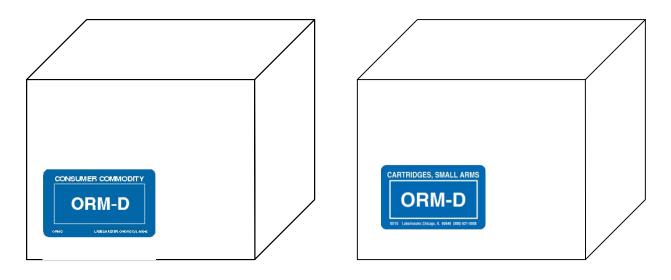
**Option 1: Overpacked (49 CFR 173.25)** 

**Option 2: Single (Standalone)** 





#### Example #5: ORM-D Shipments



**Note:** ORM-D shipments do NOT require the hazardous material shipping paper (OP-900) and hazardous material certification form (OP-950).

<u>Note</u>: All outer non-specification packaging (i.e. overpacks, ORM-D's packaging) must display a minimum 200 lb. Burst Strength Test Seal or 32 Edge Crush Test (ECT) Seal.

# **Hazardous Material Support**

The Dangerous Goods/Hazardous Materials hotline is available to answer questions about shipping hazardous materials via FedEx Ground. Please call 1-800-GO-FEDEX and press "81."

#### Definitions and other terms

For the purpose of this guide, the following commonly used terms have been provided for your information. A complete list of definitions can be found in 49 CFR §171.8.

*Administrator* means the Administrator, Pipeline and Hazardous Materials Safety Administration.

**Aerosol** means any non-refillable receptacle containing a gas compressed, liquefied or dissolved under pressure, the sole purpose of which is to expel a nonpoisonous (other than a Division 6.1 Packing Group III material) liquid, paste, or powder and fitted with a self-closing release device allowing the contents to be ejected by the gas.

**Agricultural product** means a hazardous material, other than a hazardous waste, whose end use directly supports the production of an agricultural commodity including, but not limited to a fertilizer, pesticide, soil amendment or fuel. An agricultural product is limited to a material in Class 3, 8 or 9, Division 2.1, 2.2, 5.1, or 6.1, or an ORM-D material.

**Approval** means a written authorization, including a competent authority approval, from the Associate Administrator or other designated Department official, to perform a function for which prior authorization by the Associate Administrator is required under subchapter C of this chapter (49 CFR parts 171 through 180.)

**Approved** means approval issued or recognized by the Department unless otherwise specifically indicated in this subchapter.

**Asphyxiant gas** means a gas which dilutes or replaces oxygen normally in the atmosphere.

**Associate Administrator** means the Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration.

*Atmospheric gases* means air, nitrogen, oxygen, argon, krypton, neon and xenon.

Authorized Inspection Agency means:

- (1) A jurisdiction which has adopted and administers one or more sections of the ASME Boiler and Pressure Vessel Code as a legal requirement and has a representative serving as a member of the ASME Conference Committee; or
- (2) an insurance company which has been licensed or registered by the appropriate authority of a State of the United States or a Province of Canada to underwrite boiler and pressure vessel insurance in such State or Province.

**Authorized Inspector** means an Inspector who is currently commissioned by the National Board of Boiler and Pressure Vessel Inspectors and employed as an Inspector by an Authorized Inspection Agency.

*Bag* means a flexible packaging made of paper, plastic film, textiles, woven material or other similar materials.

*Bar* means 1 BAR = 100 kPa (14.5 psi).

Barge means a non-selfpropelled vessel.

*Biological product.* See § 173.134 of this subchapter.

**Bottle** means an inner packaging having a neck of relatively smaller cross section than the body and an opening capable of holding a closure for retention of the contents.

**Bottom shell** means that portion of a tank car tank surface, excluding the head ends of the tank car tank, that lies within two feet, measured circumferentially, of the bottom longitudinal center line of the tank car tank.

**Box** means a packaging with complete rectangular or polygonal faces, made of metal, wood, plywood, reconstituted wood, fiberboard, plastic, or other suitable material. Holes appropriate to the size and use of the packaging, for purposes such as ease of handling or opening, or to meet classification requirements, are permitted as long as they do not compromise the integrity of the packaging during transportation, and are not otherwise prohibited in this subchapter.

Break-bulk means packages of hazardous materials that are handled

individually, palletized, or unitized for purposes of transportation as opposed to bulk and containerized freight.

Btu means British thermal unit.

**Bulk packaging** means a packaging, other than a vessel or a barge, including a transport vehicle or freight container, in which hazardous materials are loaded with no intermediate form of containment and which has:

(1) A maximum capacity greater than 450 L (119 gallons) as a receptacle for a liquid;

(2) A maximum net mass greater than 400 kg (882 pounds) and a maximum capacity greater than 450 L (119 gallons) as a receptacle for a solid; or
(3) A water capacity greater than 454 kg (1000 pounds) as a receptacle for a gas as defined in § 173.115 of this subchapter.

**Bureau of Explosives** means the Bureau of Explosives (B of E) of the Association of American Railroads.

**C** means Celsius or Centigrade.

**Captain of the Port (COTP)** means the officer of the Coast Guard, under the command of a District Commander, so designated by the Commandant for the purpose of giving immediate direction to Coast Guard law enforcement activities within an assigned area. As used in this subchapter, the term Captain of the Port includes an authorized representative of the Captain of the Port.

*Carfloat* means a vessel that operates on a short run on an irregular basis and serves one or more points in a port area as an extension of a rail line or highway over water, and does not operate in ocean, coastwise, or ferry service.

**Cargo aircraft only** means an aircraft that is used to transport cargo and is not engaged in carrying passengers. For purposes of this subchapter, the terms cargo aircraft only, cargo-only aircraft and cargo aircraft have the same meaning.

Cargo tank means a bulk packaging that:

(1) Is a tank intended primarily for the carriage of liquids or gases and includes appurtenances, reinforcements, fittings, and closures (for the definition of a tank, see 49 CFR 178.320, 178.337-1, or 178.338-1, as applicable);
(2) Is permanently attached to or forms a part of a motor vehicle, or is not permanently attached to a motor vehicle but which, by reason of its size.

construction or attachment to a motor vehicle is loaded or unloaded without being removed from the motor vehicle; and

(3) Is not fabricated under a specification for cylinders, intermediate bulk containers, multi-unit tank car tanks, portable tanks, or tank cars.

*Cargo tank motor vehicle* means a motor vehicle with one or more cargo tanks permanently attached to or forming an integral part of the motor vehicle.

#### Cargo vessel means:

(1) Any vessel other than a passenger vessel; and
(2) Any ferry being operated under authority of a change of character certificate issued by a Coast Guard Officer-in-Charge, Marine Inspection.

*Carrier* means a person who transports passengers or property in commerce by rail car, aircraft, motor vehicle, or vessel.

**CC** means closed-cup.

*Character of vessel* means the type of service in which the vessel is engaged at the time of carriage of a hazardous material.

Class means hazard class. See hazard class.

Class 1. See § 173.50 of this subchapter.

Class 2. See § 173.115 of this subchapter.

Class 3. See § 173.120 of this subchapter.

Class 4. See § 173.124 of this subchapter.

Class 5. See § 173.128 of this subchapter.

Class 6. See § 173.132 of this subchapter.

Class 7. See § 173.403 of this subchapter.

Class 8. See § 173.136 of this subchapter.

Class 9. See § 173.140 of this subchapter.

*Closure* means a device which closes an opening in a receptacle.

**COFC** means container-on-flat-car.

**Combination packaging** means a combination of packaging, for transport purposes, consisting of one or more inner packagings secured in a non-bulk outer packaging. It does not include a composite packaging.

Combustible liquid. See § 173.120 of this subchapter.

**Commerce** means trade or transportation in the jurisdiction of the United States within a single state; between a place in a state and a place outside of the state; or that affects trade or transportation between a place in a state and place outside of the state.

**Compatibility group letter** means a designated alphabetical letter used to categorize different types of explosive substances and articles for purposes of stowage and segregation. See § 173.52 of this subchapter.

**Competent Authority** means a national agency responsible under its national law for the control or regulation of a particular aspect of the transportation of hazardous materials (dangerous goods). The term Appropriate Authority, as used in the ICAO Technical Instructions (IBR, see § 171.7), has the same meaning as Competent Authority. For purposes of this subchapter, the Associate Administrator is the Competent Authority for the United States.

**Composite packaging** means a packaging consisting of an outer packaging and an inner receptacle, so constructed that the inner receptacle and the outer packaging form an integral packaging. Once assembled it remains thereafter an integrated single unit; it is filled, stored, shipped and emptied as such.

Compressed gas. See § 173.115 of this subchapter.

**Consignee** means the person or place shown on a shipping document, package marking, or other media as the location to which a carrier is directed to transport a hazardous material.

**Consumer commodity** means a material that is packaged and distributed in a form intended or suitable for sale through retail sales agencies or instrumentalities for consumption by individuals for purposes of personal care or household use. This term also includes drugs and medicines.

**Containership** means a cargo vessel designed and constructed to transport, within specifically designed cells, portable tanks and freight containers which are lifted on and off with their contents intact.

Corrosive material. See § 173.136 of this subchapter.

Crate means an outer packaging with incomplete surfaces.

*Crewmember* means a person assigned to perform duty in an aircraft during flight time.

*Cryogenic liquid*. See § 173.115(g) of this subchapter.

*Cultures and stocks.* See § 173.134 of this subchapter.

*Cylinder* means a pressure vessel designed for pressures higher than 40 psia and having a circular cross section. It does not include a portable tank, multi-unit tank car tank, cargo tank, or tank car.

Dangerous when wet material. See § 173.124 of this subchapter.

**Design Certifying Engineer** means a person registered with the Department in accordance with subpart F of part 107 of this chapter who has the knowledge and ability to perform stress analysis of pressure vessels and otherwise determine whether a cargo tank design and construction meets the applicable DOT specification. A Design Certifying Engineer meets the knowledge and ability requirements of this section by meeting any one of the following requirements: (1) Has an engineering degree and one year of work experience in cargo tank structural or mechanical design;

(2) Is currently registered as a professional engineer by appropriate authority of a state of the United States or a province of Canada; or
(3) Has at least three years' experience in performing the duties of a Design Certifying Engineer prior to September 1, 1991.

**Designated facility** means a hazardous waste treatment, storage, or disposal facility that has been designated on the manifest by the generator.

*Diagnostic specimen*. See § 173.134 of this subchapter.

**District Commander** means the District Commander of the Coast Guard, or his authorized representative, who has jurisdiction in the particular geographical area.

*Division* means a subdivision of a hazard class.

**DOD** means the U.S. Department of Defense.

**Domestic transportation** means transportation between places within the United States other than through a foreign country.

**DOT or Department** means U.S. Department of Transportation.

**Drum** means a flat-ended or convex-ended cylindrical packaging made of metal, fiberboard, plastic, plywood, or other suitable materials. This definition also includes packagings of other shapes made of metal or plastic (e.g., round taper-necked packagings or pail-shaped packagings) but does not include cylinders, jerricans, wooden barrels or bulk packagings.

*Elevated temperature material* means a material which, when offered for transportation or transported in a bulk packaging:

(1) Is in a liquid phase and at a temperature at or above 100 °C (212 °F);
(2) Is in a liquid phase with a flash point at or above 37.8 °C (100 °F) that is intentionally heated and offered for transportation or transported at or above its flash point; or

(3) Is in a solid phase and at a temperature at or above 240 °C (464 °F).

*Engine* means a locomotive propelled by any form of energy and used by a railroad.

**EPA** means U.S. Environmental Protection Agency.

Etiologic agent. See § 173.134 of this subchapter.

*EX number* means a number preceded by the prefix "EX", assigned by the Associate Administrator, to an item that has been evaluated under the provisions of § 173.56 of this subchapter.

**Exemption** means a document issued by the Associate Administrator under the authority of 49 U.S.C. 5117. The document permits a person to perform a function that is not otherwise permitted under subchapter A or C of this chapter, or other regulations issued under 49 U.S.C. 5101 through 5127 (e.g., Federal Motor Carrier Safety routing).

Explosive. See § 173.50 of this subchapter.

*F* means degree Fahrenheit.

*Farmer* means a person engaged in the production or raising of crops, poultry, or livestock.

Federal hazardous material transportation law means 49 U.S.C. 5101 et seq.

*Ferry vessel* means a vessel which is limited in its use to the carriage of deck passengers or vehicles or both, operates on a short run on a frequent schedule between two points over the most direct water route, other than in ocean or coastwise service, and is offered as a public service of a type normally attributed to a bridge or tunnel.

#### *Filling density* has the following meanings:

(1) For compressed gases in cylinders, see § 173.304a(a)(2) Table Note 1.

(2) For compressed gases in tank cars, see § 173.314(c) Table Note 1.

(3) For compressed gases in cargo tanks and portable tanks, see § 173.315(a) Table Note 1.

(4) For cryogenic liquids in cylinders, except hydrogen, see § 173.316(c)(1).

(5) For hydrogen, cryogenic liquid in cylinders, see § 173.316(c)(3) Table Note 1.

(6) For cryogenic liquids in cargo tanks, see § 173.318(f)(1).

(7) For cryogenic liquids in tank cars, see § 173.319(d)(1).

*Flammable gas.* See § 173.115 of this subchapter.

*Flammable liquid.* See § 173.120 of this subchapter.

*Flammable solid.* See § 173.124 of this subchapter.

Flash point. See § 173.120 of this subchapter.

*Freight container* means a reusable container having a volume of 64 cubic feet or more, designed and constructed to permit being lifted with its contents intact and intended primarily for containment of packages (in unit form) during transportation.

*Fuel tank* means a tank other than a cargo tank, used to transport flammable or combustible liquid, or compressed gas for the purpose of supplying fuel for propulsion of the transport vehicle to which it is attached, or for the operation of other equipment on the transport vehicle.

Fumigated lading. See §§ 172.302(g) and 173.9.

**Gas** means a material which has a vapor pressure greater than 300 kPa (43.5 psia) at 50 °C (122 °F) or is completely gaseous at 20 °C (68 °F) at a standard pressure of 101.3 kPa (14.7 psia).

*Gross weight or Gross mass* means the weight of a packaging plus the weight of its contents.

*Hazard class* means the category of hazard assigned to a hazardous material under the definitional criteria of part 173 of this subchapter and the provisions of the § 172.101 Table. A material may meet the defining criteria for more than one hazard class but is assigned to only one hazard class.

**Hazard zone** means one of four levels of hazard (Hazard Zones A through D) assigned to gases, as specified in § 173.116(a) of this subchapter, and one of two levels of hazards (Hazard Zones A and B) assigned to liquids that are poisonous by inhalation, as specified in § 173.133(a) of this subchapter. A hazard zone is based on the LC50 value for acute inhalation toxicity of gases and vapors, as specified in § 173.133(a).

**Hazardous material** means a substance or material that the Secretary of Transportation has determined is capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and has designated as hazardous under section 5103 of Federal hazardous materials transportation law (49 U.S.C. 5103). The term includes hazardous substances, hazardous wastes, marine pollutants, elevated temperature materials, materials designated as hazardous in the Hazardous Materials Table (see 49 CFR 172.101), and materials that meet the defining criteria for hazard classes and divisions in part 173 of subchapter C of this chapter.

*Hazardous substance* for the purposes of this subchapter, means a material, including its mixtures and solutions, that-

(1) Is listed in the Appendix A to § 172.101 of this subchapter;

(2) Is in a quantity, in one package, which equals or exceeds the reportable quantity (RQ) listed in the Appendix A to § 172.101 of this subchapter; and
(3) When in a mixture or solution-

(i) For radionuclides, conforms to paragraph 7 of the Appendix A to § 172.101.
(ii) For other than radionuclides, is in a concentration by weight which equals or exceeds the concentration corresponding to the RQ of the material, as shown in the following table:

RQ pounds (kilograms)	Concentr Percent	ation by weight PPM
5000 (2270)	10	100,000
1000 (454)	2	20,000
100 (45.4)	0.2	2,000
10 (4.54)	0.02	200
1 (0.454)	0.002	20

The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance in Appendix A to § 172.101 of this subchapter, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

*Hazardous waste*, for the purposes of this chapter, means any material that is subject to the Hazardous Waste Manifest Requirements of the U.S. Environmental Protection Agency specified in 40 CFR part 262.

Hazmat means a hazardous material.

*Hazmat employee* means a person who is employed by a hazmat employer and who in the course of employment directly affects hazardous materials

transportation safety. This term includes an owner-operator of a motor vehicle which transports hazardous materials in commerce. This term includes an individual, including a self-employed individual, employed by a hazmat employer who, during the course of employment:

(1) Loads, unloads, or handles hazardous materials;

(2) Manufactures, tests, reconditions, repairs, modifies, marks, or otherwise represents containers, drums, or packagings as qualified for use in the transportation of hazardous materials;

- (3) Prepares hazardous materials for transportation;
- (4) Is responsible for safety of transporting hazardous materials; or
- (5) Operates a vehicle used to transport hazardous materials.

**Hazmat employer** means a person who uses one or more of its employees in connection with: transporting hazardous materials in commerce; causing hazardous materials to be transported or shipped in commerce; or representing, marking, certifying, selling, offering, manufacturing, reconditioning, testing, repairing, or modifying containers, drums, or packagings as qualified for use in the transportation of hazardous materials. This term includes an owner-operator of a motor vehicle which transports hazardous materials in commerce. This term also includes any department, agency, or instrumentality of the United States, a State, a political subdivision of a State, or an Indian tribe engaged in an activity described in the first sentence of this definition.

*Hermetically sealed* means closed by fusion, gasketing, crimping, or equivalent means so that no gas or vapor can enter or escape.

*HMR* means the Hazardous Materials Regulations, Parts 171 through 180 of this chapter.

*IAEA* means International Atomic Energy Agency.

IATA means International Air Transport Association.

ICAO means International Civil Aviation Organization.

IMO means International Maritime Organization.

*Incorporated by reference or IBR* means a publication or a portion of a publication that is made a part of the regulations of this subchapter. See § 171.7.

Infectious substance (etiologic agent). See § 173.134 of this subchapter.

*Inner packaging* means a packaging for which an outer packaging is required for transport. It does not include the inner receptacle of a composite packaging.

*Inner receptacle* means a receptacle which requires an outer packaging in order to perform its containment function. The inner receptacle may be an inner packaging of a combination packaging or the inner receptacle of a composite packaging.

*Intermediate bulk container or IBC* means a rigid or flexible portable packaging, other than a cylinder or portable tank, which is designed for mechanical handling. Standards for IBCs manufactured in the United States are set forth in subparts N and O of part 178 of this subchapter.

*Intermediate packaging* means a packaging which encloses an inner packaging or article and is itself enclosed in an outer packaging.

*Intermodal container* means a freight container designed and constructed to permit it to be used interchangeably in two or more modes of transport.

*Intermodal portable tank* or *IM portable tank* means a specific class of portable tanks designed primarily for international intermodal use.

#### International transportation means transportation-

- (1) Between any place in the United States and any place in a foreign country;
- (2) Between places in the United States through a foreign country; or
- (3) Between places in one or more foreign countries through the United States.

*Irritating material*. See § 173.132(a)(2) of this subchapter.

*Jerrican* means a metal or plastic packaging of rectangular or polygonal cross-section.

#### Large packaging means a packaging that -

(1) Consists of an outer packaging which contains articles or inner packagings;

(2) Is designated for mechanical handling;

(3) Exceeds 400 kg net mass or 450 liters (118.9 gallons) capacity;

(4) Has a volume of not more than 3 m  $^{3}$  (see § 178.801(i) of this subchapter); and

(5) Conforms to the requirements for the construction, testing and marking of large packagings as specified in the UN Recommendations, Chapter 6.6 (incorporated by reference; see § 171.7).

*Limited quantity*, when specified as such in a section applicable to a particular material, means the maximum amount of a hazardous material for which there is a specific labeling or packaging exception.

*Liquid* means a material, other than an elevated temperature material, with a melting point or initial melting point of 20 °C (68 °F) or lower at a standard pressure of 101.3 kPa (14.7 psia). A viscous material for which a specific melting point cannot be determined must be subjected to the procedures specified in ASTM D 4359 "Standard Test Method for Determining Whether a Material is Liquid or Solid" (IBR, See § 171.7 ).

*Liquid phase* means a material that meets the definition of liquid when evaluated at the higher of the temperature at which it is offered for transportation or at which it is transported, not at the 37.8 °C (100 °F) temperature specified in ASTM D 4359 (IBR, see § 171.7 ).

**Loading incidental to movement** means loading by carrier personnel or in the presence of carrier personnel of packaged or containerized hazardous material onto a transport vehicle, aircraft, or vessel for the purpose of transporting it, including the loading, blocking and bracing a hazardous materials package in a freight container or transport vehicle, and segregating a hazardous materials package in a freight container or transport vehicle from incompatible cargo. For a bulk packaging, loading incidental to movement means filling the packaging with a hazardous material for the purpose of transporting it. Loading incidental to movement includes transloading.

*Magazine vessel* means a vessel used for the receiving, storing, or dispensing of explosives.

*Magnetic material.* See § 173.21(d) of this subchapter.

*Marine pollutant,* means a material which is listed in appendix B to § 172.101 of this subchapter (also see § 171.4 ) and, when in a solution or mixture of one or

more marine pollutants, is packaged in a concentration which equals or exceeds: (1) Ten percent by weight of the solution or mixture for materials listed in the appendix; or

(2) One percent by weight of the solution or mixture for materials that are identified as severe marine pollutants in the appendix.

*Marking* means a descriptive name, identification number, instructions, cautions, weight, specification, or UN marks, or combinations thereof, required by this subchapter on outer packagings of hazardous materials.

*Material of trade* means a hazardous material, other than a hazardous waste, that is carried on a motor vehicle -

(1) For the purpose of protecting the health and safety of the motor vehicle operator or passengers;

(2) For the purpose of supporting the operation or maintenance of a motor vehicle (including its auxiliary equipment); or

(3) By a private motor carrier (including vehicles operated by a rail carrier) in direct support of a principal business that is other than transportation by motor vehicle.

### Material poisonous by inhalation means:

(1) A gas meeting the defining criteria in § 173.115(c) of this subchapter and assigned to Hazard Zone A, B, C, or D in accordance with § 173.116(a) of this subchapter;

(2) A liquid (other than as a mist) meeting the defining criteria in § 173.132(a)(1)(iii) of this subchapter and assigned to Hazard Zone A or B in accordance with § 173.133(a) of this subchapter; or

(3) Any material identified as an inhalation hazard by a special provision in Column 7 of the § 172.101 Table.

*Maximum allowable working pressure* or *MAWP*: For DOT specification cargo tanks used to transport liquid hazardous materials, see § 178.320(a) of this subchapter.

*Maximum capacity* means the maximum inner volume of receptacles or packagings.

*Maximum net mass* means the allowable maximum net mass of contents in a single packaging, or as used in subpart M of part 178 of this subchapter, the maximum combined mass of inner packaging, and the contents thereof.

*Metered delivery service* means a cargo tank unloading operation conducted at a metered flow rate of 378.5 L (100 gallons) per minute or less through an attached delivery hose with a nominal inside diameter of 3.175 cm (1 <sup>1</sup>/<sub>4</sub> inches) or less.

*Miscellaneous hazardous material*. See § 173.140 of this subchapter.

*Mixture* means a material composed of more than one chemical compound or element.

*Mode* means any of the following transportation methods; rail, highway, air, or water.

*Motor vehicle* includes a vehicle, machine, tractor, trailer, or semitrailer, or any combination thereof, propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property. It does not include a vehicle, locomotive, or car operated exclusively on a rail or rails, or a trolley bus operated by electric power derived from a fixed overhead wire, furnishing local passenger transportation similar to street-railway service.

*Movement* means the physical transfer of a hazardous material from one geographic location to another by rail car, aircraft, motor vehicle, or vessel.

*Name of contents* means the proper shipping name as specified in § 172.101 of this subchapter.

*Navigable waters* means, for the purposes of this subchapter, waters of the United States, including the territorial seas.

*Non-bulk packaging* means a packaging which has:

(1) A maximum capacity of 450 L (119 gallons) or less as a receptacle for a liquid;

(2) A maximum net mass of 400 kg (882 pounds) or less and a maximum capacity of 450 L (119 gallons) or less as a receptacle for a solid; or
(3) A water capacity of 454 kg (1000 pounds) or less as a receptacle for a gas as defined in § 173.115 of this subchapter.

*Nonflammable gas.* See § 173.115 of this subchapter.

N.O.S. means not otherwise specified.

*N.O.S. description* means a shipping description from the § 172.101 table which includes the abbreviation n.o.s.

*NPT* means an American Standard taper pipe thread conforming to the requirements of NBS Handbook H-28 (IBR, see § 171.7

*NRC (non-reusable container)* means a packaging (container) whose reuse is restricted in accordance with the provisions of § 173.28 of this subchapter.

**Occupied caboose** means a rail car being used to transport non-passenger personnel.

**Officer in Charge, Marine Inspection** means a person from the civilian or military branch of the Coast Guard designated as such by the Commandant and who under the supervision and direction of the Coast Guard District Commander is in charge of a designated inspection zone for the performance of duties with respect to the enforcement and administration of title 52, Revised Statutes, acts amendatory thereof or supplemental thereto, rules and regulations thereunder, and the inspection required thereby.

*Offshore supply vessel* means a cargo vessel of less than 500 gross tons that regularly transports goods, supplies or equipment in support of exploration or production of offshore mineral or energy resources.

*Operator* means a person who controls the use of an aircraft, vessel, or vehicle.

Organic peroxide. See § 173.128 of this subchapter.

**ORM** means other regulated material. See § 173.144 of this subchapter.

*Outage or ullage* means the amount by which a packaging falls short of being liquid full, usually expressed in percent by volume.

*Outer packaging* means the outermost enclosure of a composite or combination packaging together with any absorbent materials, cushioning and any other

components necessary to contain and protect inner receptacles or inner packagings.

**Overpack,** except as provided in subpart K of part 178 of this subchapter, means an enclosure that is used by a single consignor to provide protection or convenience in handling of a package or to consolidate two or more packages. Overpack does not include a transport vehicle, freight container, or aircraft unit load device. Examples of overpacks are one or more packages: (1) Placed or stacked onto a load board such as a pallet and secured by strapping, shrink wrapping, stretch wrapping, or other suitable means; or (2) Placed in a protective outer packaging such as a box or crate.

Oxidizer. See § 173.127 of this subchapter.

**Oxidizing gas** means a gas which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does.

**Oxygen generator (chemical)** means a device containing chemicals that upon activation release oxygen as a product of chemical reaction.

**Package** or **Outside Package** means a packaging plus its contents. For radioactive materials, see § 173.403 of this subchapter.

**Packaging** means a receptacle and any other components or materials necessary for the receptacle to perform its containment function in conformance with the minimum packing requirements of this subchapter. For radioactive materials packaging, see § 173.403 of this subchapter.

**Packing group** means a grouping according to the degree of danger presented by hazardous materials. Packing Group I indicates great danger; Packing Group II, medium danger; Packing Group III, minor danger. See § 172.101(f) of this subchapter.

#### **Passenger (With respect to vessels and for the purposes of part 176 only)** means a person being carried on a vessel other than:

(1) The owner or his representative;

(2) The operator;

(3) A bona fide member of the crew engaged in the business of the vessel who has contributed no consideration for his carriage and who is paid for his services; or

(4) A guest who has not contributed any consideration directly or indirectly for his carriage.

**Passenger-carrying aircraft** means an aircraft that carries any person other than a crewmember, company employee, an authorized representative of the United States, or a person accompanying the shipment.

#### Passenger vessel means-

(1) A vessel subject to any of the requirements of the International Convention for the Safety of Life at Sea, 1974, which carries more than 12 passengers;
(2) A cargo vessel documented under the laws of the United States and not subject to that Convention, which carries more than 16 passengers;
(3) A cargo vessel of any foreign nation that extends reciprocal privileges and is not subject to that Convention and which carries more than 16 passengers; and
(4) A vessel engaged in a ferry operation and which carries passengers.

**Person** means an individual, corporation, company, association, firm, partnership, society, joint stock company; or a government, Indian tribe, or authority of a government or tribe offering a hazardous material for transportation in commerce or transporting a hazardous material to support a commercial enterprise. This term does not include the United States Postal Service or, for purposes of 49 U.S.C. 5123 and 5124, a Department, agency, or instrumentality of the government.

## Person who offers or offeror means:

(1) Any person who does either or both of the following:

(i) Performs, or is responsible for performing, any pre-transportation function required under this subchapter for transportation of the hazardous material incommerce.

(ii) Tenders or makes the hazardous material available to a carrier for transportation in commerce.

(2) A carrier is not an offeror when it performs a function required by this subchapter as a condition of acceptance of a hazardous material for transportation in commerce (e.g., reviewing shipping papers, examining packages to ensure that they are in conformance with this subchapter, or preparing shipping documentation for its own use) or when it transfers a hazardous material to another carrier for continued transportation in commerce without performing a pre-transportation function.

**PHMSA** means the Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, Washington, DC 20590.

*Placarded car* means a rail car which is placarded in accordance with the requirements of part 172 of this subchapter.

Poisonous gas. See § 173.115 of this subchapter.

*Poisonous materials*. See § 173.132 of this subchapter.

**Portable tank** means a bulk packaging (except a cylinder having a water capacity of 1000 pounds or less) designed primarily to be loaded onto, or on, or temporarily attached to a transport vehicle or ship and equipped with skids, mountings, or accessories to facilitate handling of the tank by mechanical means. It does not include a cargo tank, tank car, multi-unit tank car tank, or trailer carrying 3AX, 3AAX, or 3T cylinders.

**Preferred route** or **Preferred highway** is a highway for shipment of highway route controlled quantities of radioactive materials so designated by a State routing agency, and any Interstate System highway for which an alternative highway has not been designated by such State agency as provided by § 397.103 of this title.

**Pre-transportation function** means a function specified in the HMR that is required to assure the safe transportation of a hazardous material in commerce, including-

- (1) Determining the hazard class of a hazardous material.
- (2) Selecting a hazardous materials packaging.
- (3) Filling a hazardous materials packaging, including a bulk packaging.

(4) Securing a closure on a filled or partially filled hazardous materials package or container or on a package or container containing a residue of a hazardous material.

(5) Marking a package to indicate that it contains a hazardous material.

- (6) Labeling a package to indicate that it contains a hazardous material.
- (7) Preparing a shipping paper.

(8) Providing and maintaining emergency response information.

(9) Reviewing a shipping paper to verify compliance with the HMR or international equivalents.

(10) For each person importing a hazardous material into the United States, providing the shipper with timely and complete information as to the HMR requirements that will apply to the transportation of the material within the United States.

(11) Certifying that a hazardous material is in proper condition for transportation in conformance with the requirements of the HMR.

(12) Loading, blocking, and bracing a hazardous materials package in a freight

container or transport vehicle.

(13) Segregating a hazardous materials package in a freight container or transport vehicle from incompatible cargo.

(14) Selecting, providing, or affixing placards for a freight container or transport vehicle to indicate that it contains a hazardous material.

*Primary hazard* means the hazard class of a material as assigned in the § 172.101 table.

#### Private track or Private siding means:

(i) Track located outside of a carrier's right-of-way, yard, or terminals where the carrier does not own the rails, ties, roadbed, or right-of-way, or
(ii) Track leased by a railroad to a lessee, where the lease provides for, and actual practice entails, exclusive use of that trackage by the lessee and/or a general system railroad for purpose of moving only cars shipped to or by the lessee, and where the lessor otherwise exercises no control over or responsibility for the trackage or the cars on the trackage.

**Proper shipping name** means the name of the hazardous material shown in Roman print (not italics) in § 172.101 of this subchapter.

Psi means pounds per square inch.

Psia means pounds per square inch absolute.

Psig means pounds per square inch gauge.

**Public vessel** means a vessel owned by and being used in the public service of the United States. It does not include a vessel owned by the United States and engaged in a trade or commercial service or a vessel under contract or charter to the United States.

*Pyrophoric liquid.* See § 173.124(b) of this subchapter.

*Radioactive materials.* See § 173.403 of this subchapter for definitions relating to radioactive materials.

*Rail car* means a car designed to carry freight or non-passenger personnel by

rail, and includes a box car, flat car, gondola car, hopper car, tank car, and occupied caboose.

Railroad means a person engaged in transportation by rail.

*Receptacle* means a containment vessel for receiving and holding materials, including any means of closing.

**Registered Inspector** means a person registered with the Department in accordance with subpart F of part 107 of this chapter who has the knowledge and ability to determine whether a cargo tank conforms to the applicable DOT specification. A Registered Inspector meets the knowledge and ability requirements of this section by meeting any one of the following requirements: (1) Has an engineering degree and one year of work experience relating to the testing and inspection of cargo tanks;

(2) Has an associate degree in engineering and two years of work experience relating to the testing and inspection of cargo tanks;

(3) Has a high school diploma (or General Equivalency Diploma) and three years of work experience relating to the testing and inspection of cargo tanks; or(4) Has at least three years' experience performing the duties of a Registered Inspector prior to September 1, 1991.

Regulated medical waste. See § 173.134 of this subchapter.

**Reportable quantity (RQ)** for the purposes of this subchapter means the quantity specified in column 2 of the appendix to § 172.101 for any material identified in Column 1 of the appendix.

**Research** means investigation or experimentation aimed at the discovery of new theories or laws and the discovery and interpretation of facts or revision of accepted theories or laws in the light of new facts.

**Residue** means the hazardous material remaining in a packaging, including a tank car, after its contents have been unloaded to the maximum extent practicable and before the packaging is either refilled or cleaned of hazardous material and purged to remove any hazardous vapors.

*Risk group.* See § 173.134 of this subchapter.

**SADT** means self-accelerated decomposition temperature. See § 173.21(f) of this subchapter.

**Salvage packaging** means a special packaging conforming to § 173.3 of this subchapter into which damaged, defective, leaking, or non-conforming hazardous materials packages, or hazardous materials that have spilled or leaked, are placed for purposes of transport for recovery or disposal.

**SCF (standard cubic foot)** means one cubic foot of gas measured at 60 °F. and 14.7 psia.

Secretary means the Secretary of Transportation.

Self-defense spray means an aerosol or non-pressurized device that:

(1) Is intended to have an irritating or incapacitating effect on a person or animal; and

(2) Meets no hazard criteria other than for Class 9 (for example, a pepper spray; see § 173.140(a) of this subchapter) and, for an aerosol, Division 2.1 or 2.2 (see § 173.115 of this subchapter), except that it may contain not more than two percent by mass of a tear gas substance (e.g., chloroacetophenone (CN) or 0-chlorobenzylmalonitrile (CS); see § 173.132(a)(2) of this subchapter.)

Sharps. See § 173.134 of this subchapter.

**Shipping paper** means a shipping order, bill of lading, manifest or other shipping document serving a similar purpose and containing the information required by \$\$ 172.202, 172.203 and 172.204.

*Siftproof packaging* means a packaging impermeable to dry contents, including fine solid material produced during transportation.

*Single packaging* means a non-bulk packaging other than a combination packaging.

Solid means a material which is not a gas or a liquid.

Solution means any homogeneous liquid mixture of two or more chemical

compounds or elements that will not undergo any segregation under conditions normal to transportation.

**Specification packaging** means a packaging conforming to one of the specifications or standards for packagings in part 178 or part 179 of this subchapter.

Spontaneously combustible material. See § 173.124(b) of this subchapter.

**Stabilized** means that the hazardous material is in a condition that precludes uncontrolled reaction. This may be achieved by methods such as adding an inhibiting chemical, degassing the hazardous material to remove dissolved oxygen and inerting the air space in the package, or maintaining the hazardous material under temperature control.

**State** means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, the Virgin Islands, American Samoa, Guam, or any other territory or possession of the United States designated by the Secretary.

**State-designated route** means a preferred route selected in accordance with U.S. DOT "Guidelines for Selecting Preferred Highway Routes for Highway Route Controlled Quantities of Radioactive Materials" or an equivalent routing analysis which adequately considers overall risk to the public.

**Storage incidental to movement** means storage of a transport vehicle, freight container, or package containing a hazardous material by any person between the time that a carrier takes physical possession of the hazardous material for the purpose of transporting it in commerce until the package containing the hazardous material is physically delivered to the destination indicated on a shipping document, package marking, or other medium, or, in the case of a private motor carrier, between the time that a motor vehicle driver takes physical possession of the hazardous material for the purpose of transporting it in commerce until the purpose of transporting it in the time that a motor vehicle driver takes physical possession of the hazardous material for the purpose of transporting it in commerce until the driver relinquishes possession of the package at its destination and is no longer responsible for performing functions subject to the HMR with respect to that particular package.

(1) Storage incidental to movement includes-

(i) Storage at the destination shown on a shipping document, including storage at a transloading facility, provided the shipping documentation identifies the shipment as a through-shipment and identifies the final destination or destinations of the hazardous material; and

(ii) Rail cars containing hazardous materials that are stored on track that does

not meet the definition of "private track or siding" in § 171.8, even if those cars have been delivered to the destination shown on the shipping document. (2) Storage incidental to movement does not include storage of a hazardous material at its final destination as shown on a shipping document.

Stowage means the act of placing hazardous materials on board a vessel.

**Strong outside container** means the outermost enclosure which provides protection against the unintentional release of its contents under conditions normally incident to transportation.

*Subsidiary hazard* means a hazard of a material other than the primary hazard. (See primary hazard ).

*Table in* § 172.101 or § 172.101 table means the Hazardous Materials Table in § 172.101 of this subchapter.

**Technical name** means a recognized chemical name or microbiological name currently used in scientific and technical handbooks, journals, and texts. Generic descriptions are authorized for use as technical names provided they readily identify the general chemical group, or microbiological group. Examples of acceptable generic chemical descriptions are organic phosphate compounds, petroleum aliphatic hydrocarbons and tertiary amines. For proficiency testing only, generic microbiological descriptions such as bacteria, mycobacteria, fungus, and viral samples may be used. Except for names which appear in subpart B of part 172 of this subchapter, trade names may not be used as technical names.

TOFC means trailer-on-flat-car.

*Top shell* means the tank car tank surface, excluding the head ends and bottom shell of the tank car tank.

Toxin. See § 173.134 of this subchapter.

*Trailership* means a vessel, other than a carfloat, specifically equipped to carry motor transport vehicles and fitted with installed securing devices to tie down each vehicle. The term trailership includes Roll-on/Roll-off (RO/RO) vessels.

*Train* means one or more engines coupled with one or more rail cars, except during switching operations or where the operation is that of classifying and assembling rail cars within a railroad yard for the purpose of making or breaking up trains.

*Trainship* means a vessel other than a rail car ferry or carfloat, specifically equipped to transport railroad vehicles, and fitted with installed securing devices to tie down each vehicle.

**Transloading** means the transfer of a hazardous material by any person from one bulk packaging to another bulk packaging, from a bulk packaging to a nonbulk packaging, or from a non-bulk packaging to a bulk packaging for the purpose of continuing the movement of the hazardous material in commerce.

*Transportation* or *transport* means the movement of property and loading, unloading, or storage incidental to that movement.

**Transport vehicle** means a cargo-carrying vehicle such as an automobile, van, tractor, truck, semitrailer, tank car or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (trailer, rail car, etc.) is a separate transport vehicle.

UFC means Uniform Freight Classification.

UN means United Nations.

**UN portable tank** means a intermodal tank having a capacity of more than 450 liters (118.9 gallons). It includes a shell fitted with service equipment and structural equipment, including stabilizing members external to the shell and skids, mountings or accessories to facilitate mechanical handling. A UN portable tank must be capable of being filled and discharged without the removal of its structural equipment and must be capable of being lifted when full. Cargo tanks, rail tank car tanks, non-metallic tanks, non-specification tanks, bulk bins, and IBCs and packagings made to cylinder specifications are not UN portable tanks.

**UN Recommendations** means the UN Recommendations on the Transport of Dangerous Goods (IBR, see § 171.7).

**UN standard packaging** means a packaging conforming to standards in the UN Recommendations (IBR, see § 171.7).

**Undeclared hazardous material** means a hazardous material that is: (1) Subject to any of the hazard communication requirements in subparts C (Shipping Papers), D (Marking), E (Labeling), and F (Placarding) of Part 172 of this subchapter, or an alternative marking requirement in Part 173 of this subchapter (such as § 173.4(a)(10) and 173.6(c) ); and (2) offered for transportation in commerce without any visible indication to the person accepting the hazardous material for transportation that a hazardous material is present, on either an accompanying shipping document, or the outside of a transport vehicle, freight container, or package.

**Unintentional release** means the escape of a hazardous material from a package on an occasion not anticipated or planned. This includes releases resulting from collision, package failures, human error, criminal activity, negligence, improper packing, or unusual conditions such as the operation of pressure relief devices as a result of over-pressurization, overfill or fire exposure. It does not include releases, such as venting of packages, where allowed, and the operational discharge of contents from packages.

*Unit load device* means any type of freight container, aircraft container, aircraft pallet with a net, or aircraft pallet with a net over an igloo.

**United States** means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, the Virgin Islands, American Samoa, Guam, or any other territory or possession of the United States designated by the Secretary.

**Unloading incidental to movement** means removing a packaged or containerized hazardous material from a transport vehicle, aircraft, or vessel, or for a bulk packaging, emptying a hazardous material from the bulk packaging after the hazardous material has been delivered to the consignee when performed by carrier personnel or in the presence of carrier personnel or, in the case of a private motor carrier, while the driver of the motor vehicle from which the hazardous material is being unloaded immediately after movement is completed is present during the unloading operation. (Emptying a hazardous material from a bulk packaging while the packaging is on board a vessel is subject to separate regulations as delegated by Department of Homeland Security Delegation No. 0170.1 at 2(103).) Unloading incidental to movement includes transloading.

*Vessel* includes every description of watercraft, used or capable of being used as a means of transportation on the water.

*Viscous liquid* means a liquid material which has a measured viscosity in excess of 2500 centistokes at 25 °C. (77 °F.) when determined in accordance with the procedures specified in ASTM Method D 445-72 "Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity)" or ASTM Method D 1200-70 "Viscosity of Paints, Varnishes, and Lacquers by Ford Viscosity Cup."

**Volatility** refers to the relative rate of evaporation of materials to assume the vapor state.

Water reactive material. See § 173.124(c) of this subchapter.

*Water resistant* means having a degree of resistance to permeability by and damage caused by water in liquid form.

**Wooden barrel** means a packaging made of natural wood, of round crosssection, having convex walls, consisting of staves and heads and fitted with hoops.

W.T. means watertight.

# 49 CFR (Code of Federal Regulations)

The following sections have been taken directly from 49CFR (volume 2 revised as of October 1, 2005) and have been included in this guide as assistance to your questions and preparation of the hazardous material package. A complete print of all sections can be found in the latest hardcopy version or accessing the Internet through address http://hazmat.dot.gov.

## Subpart H—Training

## § 172.700 Purpose and scope.

(a) *Purpose.* This subpart prescribes requirements for training hazmat employees.

(b) *Scope*. Training as used in this subpart means a systematic program that ensures a hazmat employee has familiarity with the general provisions of this subchapter, is able to recognize and identify hazardous materials, has knowledge of specific requirements of this subchapter applicable to functions performed by the employee, and has knowledge of emergency response information, self-protection measures and accident prevention methods and procedures (see §172.704).

(c) *Modal-specific training requirements.* Additional training requirements for the individual modes of transportation are prescribed in parts 174, 175, 176, and 177 of this subchapter.

## § 172.701 Federal-State relationship.

This subpart and the parts referenced in §172.700(c) prescribe minimum training requirements for the transportation of hazardous materials. For motor vehicle drivers, however, a State may impose more stringent training requirements only if those requirements—

(a) Do not conflict with the training requirements in this subpart and in part 177 of this subchapter; and

(b) Apply only to drivers domiciled in that State.

## § 172.702 Applicability and responsibility for training and testing.

(a) A hazmat employer shall ensure that each of its hazmat employees is trained in accordance with the requirements prescribed in this subpart.

(b) Except as provided in §172.704(c)(1), a hazmat employee who performs any function subject to the requirements of this subchapter may not perform that function unless instructed in the requirements of this subchapter that apply to that function. It is the duty of each hazmat employer to comply with the applicable

requirements of this subchapter and to thoroughly instruct each hazmat employee in relation thereto.

(c) Training may be provided by the hazmat employer or other public or private sources.

(d) A hazmat employer shall ensure that each of its hazmat employees is tested by appropriate means on the training subjects covered in §172.704.

[Amdt. 172–126, 57 FR 20952, May 15, 1992; 57 FR 22182, May 27, 1992, as amended by Amdt. 172–149, 61 FR 27173, May 30, 1996]

# § 172.704 Training requirements.

(a) Hazmat employee training must include the following:

(1) *General awareness/familiarization training.* Each hazmat employee shall be provided general awareness/familiarization training designed to provide familiarity with the requirements of this subchapter, and to enable the employee to recognize and identify hazardous materials consistent with the hazard communication standards of this subchapter.

(2) *Function-specific training.* (i) Each hazmat employee must be provided function-specific training concerning requirements of this subchapter, or exemptions or special permits issued under subchapter A of this chapter, that are specifically applicable to the functions the employee performs.

(ii) As an alternative to function-specific training on the requirements of this subchapter, training relating to the requirements of the ICAO Technical Instructions and the IMDG Code may be provided to the extent such training addresses functions authorized by §§171.11 and 171.12 of this subchapter.

(3) *Safety training.* Each hazmat employee shall receive safety training concerning—

(i) Emergency response information required by subpart G of part 172;

(ii) Measures to protect the employee from the hazards associated with hazardous materials to which they may be exposed in the work place, including specific measures the hazmat employer has implemented to protect employees from exposure; and

(iii) Methods and procedures for avoiding accidents, such as the proper procedures for handling packages containing hazardous materials.

(4) *Security awareness training.* No later than the date of the first scheduled recurrent training after March 25, 2003, and in no case later than March 24, 2006, each hazmat employee must receive training that provides an awareness of security risks associated with hazardous materials transportation and methods designed to enhance transportation security. This training must also include a

component covering how to recognize and respond to possible security threats. After March 25, 2003, new hazmat employees must receive the security awareness training required by this paragraph within 90 days after employment.

(5) *In-depth security training.* By December 22, 2003, each hazmat employee of a person required to have a security plan in accordance with subpart I of this part must be trained concerning the security plan and its implementation. Security training must include company security objectives, specific security procedures, employee responsibilities, actions to take in the event of a security breach, and the organizational security structure.

(b) *OSHA, EPA, and other training.* Training conducted by employers to comply with the hazard communication programs required by the Occupational Safety and Health Administration of the Department of Labor (29 CFR 1910.120 or 1910.1200) or the Environmental Protection Agency (40 CFR 311.1), or training conducted by employers to comply with security training programs required by other Federal or international agencies, may be used to satisfy the training requirements in paragraph (a) of this section to the extent that such training addresses the training components specified in paragraph (a) of this section.

(c) *Initial and recurrent training*—(1) *Initial training.* A new hazmat employee, or a hazmat employee who changes job functions may perform those functions prior to the completion of training provided—

(i) The employee performs those functions under the direct supervision of a properly trained and knowledgeable hazmat employee; and

(ii) The training is completed within 90 days after employment or a change in job function.

(2) *Recurrent training.* A hazmat employee shall receive the training required by this subpart at least once every three years.

(3) *Relevant Training*. Relevant training received from a previous employer or other source may be used to satisfy the requirements of this subpart provided a current record of training is obtained from hazmat employees' previous employer.

(4) *Compliance*. Each hazmat employer is responsible for compliance with the requirements of this subchapter regardless of whether the training required by this subpart has been completed.

(d) *Recordkeeping.* A record of current training, inclusive of the preceding three years, in accordance with this section shall be created and retained by each hazmat employer for as long as that employee is employed by that employer as a hazmat employee and for 90 days thereafter. The record shall include:

(1) The hazmat employee's name;

(2) The most recent training completion date of the hazmat employee's training;

(3) A description, copy, or the location of the training materials used to meet the requirements in paragraph (a) of this section;

(4) The name and address of the person providing the training; and

(5) Certification that the hazmat employee has been trained and tested, as required by this subpart.

(e) *Limitations*. The following limitations apply:

(1) A hazmat employee who repairs, modifies, reconditions, or tests packagings, as qualified for use in the transportation of hazardous materials, and who does not perform any other function subject to the requirements of this subchapter, is not subject to the training requirement of paragraph (a)(3) of this section.

(2) A railroad maintenance-of-way employee or railroad signalman, who does not perform any function subject to the requirements of this subchapter, is not subject to the training requirements of paragraphs (a)(2), (a)(4), or (a)(5) of this section. Initial training for a railroad maintenance-of-way employee or railroad signalman in accordance with this section must be completed by October 1, 2006.

## Subpart I—Security Plans

# § 172.800 Purpose and applicability

(a) *Purpose.* This subpart prescribes requirements for development and implementation of plans to address security risks related to the transportation of hazardous materials in commerce.

(b) *Applicability*. By September 25, 2003, each person who offers for transportation in commerce or transports in commerce one or more of the following hazardous materials must develop and adhere to a security plan for hazardous materials that conforms to the requirements of this subpart:

(1) A highway route-controlled quantity of a Class 7 (radioactive) material, as defined in §173.403 of this subchapter, in a motor vehicle, rail car, or freight container;

(2) More than 25 kg (55 pounds) of a Division 1.1, 1.2, or 1.3 (explosive) material in a motor vehicle, rail car, or freight container;

(3) More than one L (1.06 qt) per package of a material poisonous by inhalation, as defined in §171.8 of this subchapter, that meets the criteria for Hazard Zone A, as specified in §§173.116(a) or 173.133(a) of this subchapter;

(4) A shipment of a quantity of hazardous materials in a bulk packaging having a capacity equal to or greater than 13,248 L (3,500 gallons) for liquids or gases or more than 13.24 cubic meters (468 cubic feet) for solids;

(5) A shipment in other than a bulk packaging of 2,268 kg (5,000 pounds) gross weight or more of one class of hazardous materials for which placarding of a vehicle, rail car, or freight container is required for that class under the provisions of subpart F of this part;

(6) A select agent or toxin regulated by the Centers for Disease Control and Prevention under 42 CFR part 73; or

(7) A quantity of hazardous material that requires placarding under the provisions of subpart F of this part.

(c) *Exceptions*. Transportation activities of a farmer, who generates less than \$500,000 annually in gross receipts from the sale of agricultural commodities or products, are not subject to this subpart if such activities are:

(1) Conducted by highway or rail;

(2) In direct support of their farming operations; and

(3) Conducted within a 150-mile radius of those operations.

[68 FR 14521, Mar. 25, 2003, as amended at 70 FR 73164, Dec. 9, 2005]

## § 172.802 Components of a security plan

(a) The security plan must include an assessment of possible transportation security risks for shipments of the hazardous materials listed in §172.800 and appropriate measures to address the assessed risks. Specific measures put into place by the plan may vary commensurate with the level of threat at a particular time. At a minimum, a security plan must include the following elements:

(1) *Personnel security.* Measures to confirm information provided by job applicants hired for positions that involve access to and handling of the hazardous materials covered by the security plan. Such confirmation system must be consistent with applicable Federal and State laws and requirements concerning employment practices and individual privacy.

(2) *Unauthorized access.* Measures to address the assessed risk that unauthorized persons may gain access to the hazardous materials covered by the security plan or transport conveyances being prepared for transportation of the hazardous materials covered by the security plan.

(3) *En route security.* Measures to address the assessed security risks of shipments of hazardous materials covered by the security plan en route from origin to destination, including shipments stored incidental to movement.

(b) The security plan must be in writing and must be retained for as long as it remains in effect. Copies of the security plan, or portions thereof, must be available to the employees who are responsible for implementing it, consistent with personnel security clearance or background investigation restrictions and a demonstrated need to know. The security plan must be revised and updated as necessary to reflect changing circumstances. When the security plan is updated or revised, all copies of the plan must be maintained as of the date of the most recent revision.

# § 172.804 Relationship to other Federal requirements

To avoid unnecessary duplication of security requirements, security plans that conform to regulations, standards, protocols, or guidelines issued by other Federal agencies, international organizations, or industry organizations may be used to satisfy the requirements in this subpart, provided such security plans address the requirements specified in this subpart

# § 173.3 Packaging and exceptions

(a) The packaging of hazardous materials for transportation by air, highway, rail, or water must be as specified in this part. Methods of manufacture, packing, and storage of hazardous materials, that affect safety in transportation, must be open to inspection by a duly authorized representative of the initial carrier or of the Department. Methods of manufacture and related functions necessary for completion of a DOT specification or U.N. standard packaging must be open to inspection by a representative of the Department.

(b) The regulations setting forth packaging requirements for a specific material apply to all modes of transportation unless otherwise stated, or unless exceptions from packaging requirements are authorized.

(c) *Salvage drums.* Packages of hazardous materials that are damaged, defective, or leaking; packages found to be not conforming to the requirements of this subchapter after having been placed in transportation; and, hazardous materials that have spilled or leaked may be placed in a metal or plastic removable head salvage drum that is compatible with the lading and shipped for repackaging or disposal under the following conditions:

(1) Except as provided in paragraph (c)(7) of this section, the drum must be a UN 1A2, 1B2, 1N2 or 1H2 tested and marked for Packing Group III or higher performance standards for liquids or solids and a leakproofness test of 20 kPa (3 psig). Alternatively, a drum manufactured and marked prior to October 1, 1993 as a salvage drum, in accordance with the provisions of this section in effect on September 30, 1991, is authorized. Capacity of the drum may not exceed 450 L (119 gallons).

(2) Each drum shall be provided when necessary with sufficient cushioning and absorption material to prevent excessive shifting of the damaged package and to eliminate the presence of any free liquid at the time the salvage drum is closed. All cushioning and absorbent material used in the drum must be compatible with the hazardous material.

(3) Each salvage packaging must be marked with the proper shipping name of the hazardous material inside the packaging and the name and address of the consignee. In addition, the packaging must be marked "SALVAGE" or "SALVAGE DRUM".

(4) Each drum shall be labeled as prescribed for the respective material.

(5) The shipper shall prepare shipping papers in accordance with subpart C of part 172 of this subchapter.

(6) The overpack requirements of §173.25 do not apply to drums used in accordance with this paragraph.

(

7) A salvage packaging marked "T" in accordance with applicable provisions in the UN Recommendations may be used.

(d) *Salvage cylinders*. Cylinders of hazardous materials that are damaged or leaking may be overpacked in a non-DOT specification full opening hinged head or fully removable head steel salvage cylinder under the following conditions:

(1) Only a cylinder containing a Division 2.1, 2.2, 2.3, 3, 6.1, or a Class 8 material may be overpacked in a salvage cylinder. A cylinder containing acetylene may not be overpacked in a salvage cylinder.

(2) Each salvage cylinder—

(i) Must be designed, constructed and marked in accordance with Section VIII, Division I of the ASME Code (IBR, see §171.7 of this subchapter) with a minimum design margin of 4 to 1. Salvage cylinders may not be equipped with a pressure relief device. Damaged cylinders must be securely positioned in the salvage cylinder to prevent excessive movement. The overpack requirements of §173.25 of this part do not apply to salvage cylinders used in accordance with this section.

(ii) Must have a maximum water capacity of 450 L (119 gallons).

(iii) Except for liquefied nitrous oxide and carbon dioxide, contents of the damaged or leaking cylinder must be limited in pressure and volume so that if totally discharged into the salvage cylinder, the pressure in the salvage cylinder will not exceed 5/4 of the MAWP at 55 °C (131 °F).

(iv) Must have gaskets, valves and fittings that are compatible with the hazardous materials contained within.

(3) Each salvage cylinder must be plainly and durably marked. Unless otherwise specified, the markings below must be in the same area on any portion of the upper end:

(i) The proper shipping name of the hazardous material contained inside the packaging;

(ii) The name and address of the consignee or consignor;

(iii) The name and address or registered symbol of the manufacturer; and

(iv) The words "SALVAGE CYLINDER" in letters at least 50 mm (2.0 inches) high on opposite sides near the middle of the cylinder; stamping on the sidewall is not authorized.

(4) Each salvage cylinder must be labeled for the hazardous material contained inside the packaging.

(5) The shipper must prepare shipping papers in accordance with subpart C of part 172 of this subchapter.

(6) Transportation is authorized by motor vehicle only.

(7) Each salvage cylinder must be cleaned and purged after each use.

(8) In addition to the training requirements of §§172.700 through 172.704 of this subchapter, a person who loads, unloads or transports a salvage cylinder must be trained in handling, loading and unloading the salvage cylinder.

(9) Cylinder Requalification: At least once every five years, each cylinder must be visually inspected (internally and externally) in accordance with CGA Pamphlet C–6 (IBR, see §171.7 of this subchapter) and pressure tested. A minimum test pressure of at least 1 1/2 times MAWP must be maintained for at least 30 seconds. The cylinder must be examined under test pressure and removed from service if a leak or a defect is found.

(i) The retest and inspection must be performed by a person familiar with salvage cylinders and trained and experienced in the use of the inspection and testing equipment.

(ii) Each salvage cylinder that is successfully requalified must be durably and legibly marked with the word "Tested" followed by the requalification date (month/year), *e.g.*, "Tested 9/04." The marking must be in letters and numbers at least 12 mm (0.5 inches) high. The requalification marking may be placed on any portion of the upper end of the cylinder near the marking required in (d)(3) of this

section or on a metal plate permanently secured to the cylinder. Stamping on the cylinder sidewall is not authorized.

(10) Record retention: The owner of each salvage cylinder or his authorized agent shall retain a record of the most recent visual inspection and pressure test until the salvage cylinder is requalified. The records must be made available to a DOT representative upon request.

(e) *Emergency transportation of DOT 3A480 or 3AA480 cylinders and DOT 106A500 multi-unit tank car tanks.* (1) A DOT 3A480 or DOT 3AA480 cylinder containing chlorine or sulphur dioxide that has developed a leak in a valve or fusible plug may be repaired temporarily by trained personnel using a Chlorine Institute Kit "A" (IBR, see §171.7 of this subchapter). The repaired cylinder is authorized to be transported by private or contract carrier one time, one way, from the point of discovery to a proper facility for discharge and examination.

(2) A DOT 106A500 multi-unit tank car tank containing chlorine or sulphur dioxide that has developed a leak in the valve or fusible plug may be temporarily repaired by trained personnel using a Chlorine Institute Kit "B" (IBR, *see* §171.7 of this subchapter). The repaired tank is authorized to be transported by private or contract carrier one time, one way, from the point of discovery to a proper facility for discharge and examination.

(3) Training for personnel making the repairs in paragraphs (d)(1) and (d)(2) of this section must include:

(i) Proper use of the devices and tools in the applicable kits;

(ii) Use of respiratory equipment and all other safety equipment; and

(iii) Knowledge of the properties of chlorine and sulphur dioxide.

(4) Packagings repaired with "A" or "B" kits must be properly blocked and braced to ensure the packagings are secured in the transport vehicle.

## § 173.4 Small quantity exceptions.

(a) Small quantities of Class 3, Division 4.1, Division 4.2 (PG II and III), Division 4.3 (PG II and III), Division 5.1, Division 5.2, Division 6.1, Class 7, Class 8, and Class 9 materials that also meet the definition of one or more of these hazard classes, are not subject to any other requirements of this subchapter when—

(1) The maximum quantity of material per inner receptacle or article is limited to—

(i) Thirty (30) mL (1 ounce) for authorized liquids, other than Division 6.1, Packing Group I, Hazard Zone A or B materials;

(ii) Thirty (30) g (1 ounce) for authorized solid materials;

(iii) One (1) g (0.04 ounce) for authorized materials meeting the definition of a Division 6.1, Packing Group I, Hazard Zone A or B material; and

(iv) An activity level not exceeding that specified in §§173.421, 173.424, 173.425 or 173.426, as appropriate, for a package containing a Class 7 (radioactive) material.

(2) With the exception of temperature sensing devices, each inner receptacle:

(i) Is not liquid-full at 55 °C (131 °F), and

(ii) Is constructed of plastic having a minimum thickness of no less than 0.2 mm (0.008 inch), or earthenware, glass, or metal;

3) Each inner receptacle with a removable closure has its closure held securely in place with wire, tape, or other positive means;

(4) Unless equivalent cushioning and absorbent material surrounds the inside packaging, each inner receptacle is securely packed in an inside packaging with cushioning and absorbent material that:

(i) Will not react chemically with the material, and

(ii) Is capable of absorbing the entire contents (if a liquid) of the receptacle;

(5) The inside packaging is securely packed in a strong outside packaging;

(6) The completed package, as demonstrated by prototype testing, is capable of sustaining—

(i) Each of the following free drops made from a height of 1.8 m (5.9 feet) directly onto a solid unyielding surface without breakage or leakage from any inner receptacle and without a substantial reduction in the effectiveness of the package:

(A) One drop flat on bottom;

- (B) One drop flat on top;
- (C) One drop flat on the long side;
- (D) One drop flat on the short side; and

(E) One drop on a corner at the junction of three intersecting edges; and

(ii) A compressive load as specified in §178.606(c) of this subchapter. Note to paragraph (a)(6): Each of the tests in paragraph (a)(6) of this section may be performed on a different but identical package; *i.e.*, all tests need not be performed on the same package.

(7) Placement of the material in the package or packing different materials in the package does not result in a violation of §173.21;

(8) The gross mass of the completed package does not exceed 29 kg (64 pounds);

(9) The package is not opened or otherwise altered until it is no longer in commerce; and

(10) The shipper certifies conformance with this section by marking the outside of the package with the statement "This package conforms to 49 CFR 173.4."

(b) A package containing a Class 7 (radioactive) material also must conform to the requirements of §173.421(a)(1) through (a)(5) or §173.424(a) through (g), as appropriate.

(c) Packages which contain a Class 2, Division 4.2 (PG I), or Division 4.3 (PG I) material conforming to paragraphs (a)(1) through (a)(10) of this section may be offered for transportation or transported if specifically approved by the Associate Administrator.

(d) Lithium batteries and cells are not eligible for the exceptions provided in this section.

# § 173.13 Exceptions for Class 3, Divisions 4.1, 4.2, 4.3, 5.1, 6.1, and Classes 8 and 9 materials

(a) A Class 3, 8 or 9, or Division 4.1, 4.2, 4.3, 5.1, or 6.1 material is excepted from the labeling (except for the CARGO AIRCRAFT ONLY label), placarding and segregation requirements of this subchapter if prepared for transportation in accordance with the requirements of this section. A material that meets the definition of a material poisonous by inhalation may not be offered for transportation or transported under provisions of this section.

(b) A hazardous material conforming to the requirements of this section may be transported by motor vehicle and rail car. In addition, packages prepared in accordance with this section may be transported by aircraft under the following conditions:

(1) *Cargo-only aircraft*. Only hazardous materials permitted to be transported aboard either a passenger or cargo-only aircraft by column (9A) or (9B) of the Hazardous Materials Table in §172.101 of this subchapter are authorized aboard cargo-only aircraft.

(2) *Passenger carrying aircraft*. Only hazardous materials permitted to be transported aboard a passenger aircraft by column (9A) of the Hazardous Materials Table in §172.101 of this subchapter are authorized aboard passenger aircraft. The completed package, assembled as for transportation, must be successfully tested in accordance with part 178 of this subchapter at the Packing Group I level. A hazardous material which meets the definition of a Division 5.1 (oxidizer) at the Packing Group I level in accordance with §173.127(b)(1)(i) of this subchapter may not be transported aboard a passenger aircraft.

(3) Packages offered for transportation aboard either passenger or cargo-only aircraft must meet the requirements for transportation by aircraft specified in §173.27 of this subchapter.

(c) A hazardous material permitted by paragraph (a) of this section must be packaged as follows:

(1) For liquids:

(i) The hazardous material must be placed in a tightly closed glass, plastic or metal inner packaging with a maximum capacity not exceeding 1.2 L. Sufficient outage must be provided such that the inner packaging will not become liquid full at 55 °C (130 °F). The net quantity (measured at 20 °C (68 °F)) of liquid in any inner packaging may not exceed 1 L. For transportation by aircraft, the net quantity in one package may not exceed the quantity specified in columns (9A) or (9B), as appropriate.

(ii) The inner packaging must be placed in a hermetically-sealed barrier bag which is impervious to the lading, and then wrapped in a non-reactive absorbent material in sufficient quantity to completely absorb the contents of the inner packaging, and placed in a snugly fitting, metal can.

(iii) The metal can must be securely closed. For liquids that are in Division 4.2 or 4.3, the metal can must be hermetically sealed. For Division 4.2 materials in Packing Group I, the metal can must be tested in accordance with part 178 of this subchapter at the Packing Group I performance level.

(iv) The metal can must be placed in a fiberboard box that is placed in a hermetically-sealed barrier bag which is impervious to the lading.

(v) The intermediate packaging must be placed inside a securely closed, outer packaging conforming to §173.201.

(vi) Not more than four intermediate packagings are permitted in an outer packaging.

(2) For solids:

(i) The hazardous material must be placed in a tightly closed glass, plastic or metal inner packaging. The net quantity of material in any inner packaging may not exceed 2.85kg (6.25 pounds). For transportation by aircraft, the net quantity in one package may not exceed the quantity specified in columns (9A) or (9B), as appropriate.

(ii) The inner packaging must be placed in a hermetically-sealed barrier bag which is impervious to the lading.

(iii) The barrier bag and its contents must be placed in a fiberboard box that is placed in a hermetically-sealed barrier bag which is impervious to the lading.

(iv) The intermediate packaging must be placed inside an outer packaging conforming to §173.211.

(v) Not more than four intermediate packagings are permitted in an outer packaging.

(d) The outside of the package must be marked, in association with the proper shipping name, with the statement: "This package conforms to 49 CFR 173.13."

## § 173.24 General requirements for packagings and packages.

(a) Applicability. Except as otherwise provided in this subchapter, the provisions of this section apply to—

(1) Bulk and non-bulk packagings;

(2) New packagings and packagings which are reused; and

(3) Specification and non-specification packagings.

(b) Each package used for the shipment of hazardous materials under this subchapter shall be designed, constructed, maintained, filled, its contents so limited, and closed, so that under conditions normally incident to transportation—

(1) Except as otherwise provided in this subchapter, there will be no identifiable (without the use of instruments) release of hazardous materials to the environment;

(2) The effectiveness of the package will not be substantially reduced; for example, impact resistance, strength, packaging compatibility, etc. must be maintained for the minimum and maximum temperatures, changes in humidity

and pressure, and shocks, loadings and vibrations, normally encountered during transportation;

(3) There will be no mixture of gases or vapors in the package which could, through any credible spontaneous increase of heat or pressure, significantly reduce the effectiveness of the packaging;

(4) There will be no hazardous material residue adhering to the outside of the package during transport.

(c) Authorized packagings. A packaging is authorized for a hazardous material only if—

(1) The packaging is prescribed or permitted for the hazardous material in a packaging section specified for that material in Column 8 of the §172.101 table and conforms to applicable requirements in the special provisions of Column 7 of the §172.101 table and, for specification packagings (but not including UN standard packagings manufactured outside the United States), the specification requirements in parts 178 and 179 of this subchapter; or

(2) The packaging is permitted under, and conforms to, provisions contained in §§171.11, 171.12, 171.12a, 173.3, 173.4, 173.5, 173.7, 173.27, or 176.11 of this subchapter.

(d) Specification packagings and UN standard packagings manufactured outside the U.S.—(1) Specification packagings. A specification packaging, including a UN standard packaging manufactured in the United States, must conform in all details to the applicable specification or standard in part 178 or part 179 of this subchapter.

(2) UN standard packagings manufactured outside the United States. A UN standard packaging manufactured outside the United States, in accordance with national or international regulations based on the UN Recommendations (IBR, see §171.7 of this subchapter), may be imported and used and is considered to be an authorized packaging under the provisions of paragraph (c)(1) of this section, subject to the following conditions and limitations:

(i) The packaging fully conforms to applicable provisions in the UN Recommendations and the requirements of this subpart, including reuse provisions;

(ii) The packaging is capable of passing the prescribed tests in part 178 of this subchapter applicable to that standard; and

(iii) The competent authority of the country of manufacture provides reciprocal treatment for UN standard packagings manufactured in the U.S.

(e) Compatibility. (1) Even though certain packagings are specified in this part, it is, nevertheless, the responsibility of the person offering a hazardous material for

transportation to ensure that such packagings are compatible with their lading. This particularly applies to corrosivity, permeability, softening, premature aging and embrittlement.

(2) Packaging materials and contents must be such that there will be no significant chemical or galvanic reaction between the materials and contents of the package.

(3) Plastic packagings and receptacles. (i) Plastic used in packagings and receptacles must be of a type compatible with the lading and may not be permeable to an extent that a hazardous condition is likely to occur during transportation, handling or refilling.

(ii) Each plastic packaging or receptacle which is used for liquid hazardous materials must be capable of withstanding without failure the procedure specified in appendix B of this part ("Procedure for Testing Chemical Compatibility and Rate of Permeation in Plastic Packagings and Receptacles"). The procedure specified in appendix B of this part must be performed on each plastic packaging or receptacle used for Packing Group I materials. The maximum rate of permeation of hazardous lading through or into the plastic packaging or receptacles may not exceed 0.5 percent for materials meeting the definition of a Division 6.1 material according to §173.132 and 2.0 percent for other hazardous materials, when subjected to a temperature no lower than—

(A) 18 °C (64 °F) for 180 days in accordance with Test Method 1 in appendix B of this part;

(B) 50 °C (122 °F) for 28 days in accordance with Test Method 2 in appendix B of this part; or

(C) 60 °C (140 °F) for 14 days in accordance with Test Method 3 in appendix B of this part.

(iii) Alternative procedures or rates of permeation are permitted if they yield a level of safety equivalent to or greater than that provided by paragraph (e)(3)(ii) of this section and are specifically approved by the Associate Administrator.

(4) Mixed contents. Hazardous materials may not be packed or mixed together in the same outer packaging with other hazardous or nonhazardous materials if such materials are capable of reacting dangerously with each other and causing—

(i) Combustion or dangerous evolution of heat;

(ii) Evolution of flammable, poisonous, or asphyxiant gases; or

(iii) Formation of unstable or corrosive materials.

(5) Packagings used for solids, which may become liquid at temperatures likely to be encountered during transportation, must be capable of containing the hazardous material in the liquid state.

(f) Closures. (1) Closures on packagings shall be so designed and closed that under conditions (including the effects of temperature, pressure and vibration) normally incident to transportation—

(i) Except as provided in paragraph (g) of this section, there is no identifiable release of hazardous materials to the environment from the opening to which the closure is applied; and

(ii) The closure is leakproof and secured against loosening. For air transport, stoppers, corks or other such friction closures must be held in place by positive means.

(2) Except as otherwise provided in this subchapter, a closure (including gaskets or other closure components, if any) used on a specification packaging must conform to all applicable requirements of the specification and must be closed in accordance with information, as applicable, provided by the manufacturer's notification required by §178.2 of this subchapter.

(g) *Venting.* Venting of packagings, to reduce internal pressure which may develop by the evolution of gas from the contents, is permitted only when—

(1) Transportation by aircraft is not involved;

(2) Except as otherwise provided in this subchapter, the evolved gases are not poisonous, likely to create a flammable mixture with air or be an asphyxiant under normal conditions of transportation;

(3) The packaging is designed so as to preclude an unintentional release of hazardous materials from the receptacle;

(4) For bulk packagings, other than IBCs, venting is authorized for the specific hazardous material by a special provision in the §172.101 table or by the applicable bulk packaging specification in part 178 of this subchapter; and

(5) Intermediate bulk packagings (IBCs) may be vented when required to reduce internal pressure that may develop by the evolution of gas subject to the requirements of paragraphs (g)(1) through (g)(3) of this section. The IBC must be of a type that has successfully passed (with the vent in place) the applicable design qualification tests with no release of hazardous material.

(h) Outage and filling limits—(1) *General.* When filling packagings and receptacles for liquids, sufficient ullage (outage) must be left to ensure that neither leakage nor permanent distortion of the packaging or receptacle will occur as a result of an expansion of the liquid caused by temperatures likely to be encountered during transportation. Requirements for outage and filling limits

for non-bulk and bulk packagings are specified in §§173.24a(d) and 173.24b(a), respectively.

(2) *Compressed gases and cryogenic liquids*. Filling limits for compressed gases and cryogenic liquids are specified in §§173.301 through 173.306 for cylinders and §§173.314 through 173.319 for bulk packagings.

(i) *Air transportation.* Packages offered or intended for transportation by aircraft are subject to requirements additional to those of other modes of transport (*e.g.*, quantity limitations, requirements for absorbent material, pressure differential requirements, appropriate closure procedures, and specific packaging requirements) and must conform to the general requirements for transportation by aircraft in §173.27.

## § 173.24a Additional general requirements for non-bulk packagings and packages

(a) *Packaging design.* Except as provided in §172.312 of this subchapter:

(1) *Inner packaging closures*. A combination packaging containing liquid hazardous materials must be packed so that closures on inner packagings are upright.

(2) *Friction.* The nature and thickness of the outer packaging must be such that friction during transportation is not likely to generate an amount of heat sufficient to alter dangerously the chemical stability of the contents.

(3) Securing and cushioning. Inner packagings of combination packagings must be so packed, secured and cushioned to prevent their breakage or leakage and to control their shifting within the outer packaging under conditions normally incident to transportation. Cushioning material must not be capable of reacting dangerously with the contents of the inner packagings or having its protective properties significantly weakened in the event of leakage.

(4) *Metallic devices*. Nails, staples and other metallic devices shall not protrude into the interior of the outer packaging in such a manner as to be likely to damage inner packagings or receptacles.

(5) *Vibration.* Each non-bulk package must be capable of withstanding, without rupture or leakage, the vibration test procedure specified in §178.608 of this subchapter.

(b) *Non-bulk packaging filling limits.* (1) A single or composite non-bulk packaging may be filled with a liquid hazardous material only when the specific gravity of the material does not exceed that marked on the packaging, or a specific gravity of 1.2 if not marked, except as follows:

(i) A Packing Group I packaging may be used for a Packing Group II material with a specific gravity not exceeding the greater of 1.8, or 1.5 times the specific

gravity marked on the packaging, provided all the performance criteria can still be met with the higher specific gravity material;

(ii) A Packing Group I packaging may be used for a Packing Group III material with a specific gravity not exceeding the greater of 2.7, or 2.25 times the specific gravity marked on the packaging, provided all the performance criteria can still be met with the higher specific gravity material; and

(iii) A Packing Group II packaging may be used for a Packing Group III material with a specific gravity not exceeding the greater of 1.8, or 1.5 times the specific gravity marked on the packaging, provided all the performance criteria can still be met with the higher specific gravity material.

(2) Except as otherwise provided in this section, a non-bulk packaging may not be filled with a hazardous material to a gross mass greater than the maximum gross mass marked on the packaging.

(3) A single or composite non-bulk packaging which is tested and marked for liquid hazardous materials may be filled with a solid hazardous material to a gross mass, in kilograms, not exceeding the rated capacity of the packaging in liters, multiplied by the specific gravity marked on the packaging, or 1.2 if not marked. In addition:

(i) A single or composite non-bulk packaging which is tested and marked for Packing Group I liquid hazardous materials may be filled with a solid Packing Group II hazardous material to a gross mass, in kilograms, not exceeding the rated capacity of the packaging in liters, multiplied by 1.5, multiplied by the specific gravity marked on the packaging, or 1.2 if not marked.

(ii) A single or composite non-bulk packaging which is tested and marked for Packing Group I liquid hazardous materials may be filled with a solid Packing Group III hazardous material to a gross mass, in kilograms, not exceeding the rated capacity of the packaging in liters, multiplied by 2.25, multiplied by the specific gravity marked on the packaging, or 1.2 if not marked.

(iii) A single or composite non-bulk packaging which is tested and marked for Packing Group II liquid hazardous materials may be filled with a solid Packing Group III hazardous material to a gross mass, in kilograms, not exceeding the rated capacity of the packaging in liters, multiplied by 1.5, multiplied by the specific gravity marked on the packaging, or 1.2 if not marked.

(4) Packagings tested as prescribed in §178.605 of this subchapter and marked with the hydrostatic test pressure as prescribed in §178.503(a)(5) of this subchapter may be used for liquids only when the vapor pressure of the liquid conforms to one of the following:

(i) The vapor pressure must be such that the total pressure in the packaging (i.e., the vapor pressure of the liquid plus the partial pressure of air or other inert gases, less 100 kPa (15 psia)) at 55  $^{\circ}$ C (131  $^{\circ}$ F), determined on the basis of a

maximum degree of filling in accordance with paragraph (d) of this section and a filling temperature of 15 °C (59 °F)), will not exceed two-thirds of the marked test pressure;

(ii) The vapor pressure at 50 °C (122 °F) must be less than four-sevenths of the sum of the marked test pressure plus 100 kPa (15 psia); or

(iii) The vapor pressure at 55 °C (131 °F) must be less than two-thirds of the sum of the marked test pressure plus 100 kPa (15 psia).

(5) No hazardous material may remain on the outside of a package after filling.

(c) *Mixed contents.* (1) An outer non-bulk packaging may contain more than one hazardous material only when—

(i) The inner and outer packagings used for each hazardous material conform to the relevant packaging sections of this part applicable to that hazardous material;

(ii) The package as prepared for shipment meets the performance tests prescribed in part 178 of this subchapter for the packing group indicating the highest order of hazard for the hazardous materials contained in the package;

(iii) Corrosive materials (except ORM-D) in bottles are further packed in securely closed inner receptacles before packing in outer packagings; and

(iv) For transportation by aircraft, the total net quantity does not exceed the lowest permitted maximum net quantity per package as shown in Column 9a or 9b, as appropriate, of the §172.101 table. The permitted maximum net quantity must be calculated in kilograms if a package contains both a liquid and a solid.

(2) A packaging containing inner packagings of Division 6.2 materials may not contain other hazardous materials, except dry ice.

(d) Liquids must not completely fill a receptacle at a temperature of 55  $^{\circ}$ C (131  $^{\circ}$ F) or less.

## § 173.56 New explosives—definition and procedures for classification and approval

(a) Definition of new explosive. For the purposes of this subchapter a *new explosive* means an explosive produced by a person who:

(1) Has not previously produced that explosive; or

(2) Has previously produced that explosive but has made a change in the formulation, design or process so as to alter any of the properties of the explosive. An explosive will not be considered a "new explosive" if an agency listed in paragraph (b) of this section has determined, and confirmed in writing to the Associate Administrator, that there are no significant differences in hazard characteristics from the explosive previously approved.

(b) Examination, classing and approval. Except as provided in paragraph (j) of this section, no person may offer a new explosive for transportation unless that person has specified to the examining agency the ranges of composition of ingredients and compounds, showing the intended manufacturing tolerances in the composition of substances or design of articles which will be allowed in that material or device, and unless it has been examined, classed and approved as follows:

(1) Except for an explosive made by or under the direction or supervision of the Department of Defense (DOD) or the Department of Energy (DOE), a new explosive must be examined and assigned a recommended shipping description, division and compatibility group, based on the tests and criteria prescribed in §§173.52, 173.57 and 173.58. The person requesting approval of the new explosive must submit to the Associate Administrator a report of the examination and assignment of a recommended shipping description, division, and compatibility group. If the Associate Administrator finds the approval request meets the regulatory criteria, the new explosive will be approved in writing and assigned an EX number. The examination must be performed by a person who is approved by the Associate Administrator under the provisions of subpart H of part 107 of this chapter and who—

(i) Has (directly, or through an employee involved in the examination) at least ten years of experience in the examination, testing and evaluation of explosives;

(ii) Does not manufacture or market explosives, and is not controlled by or financially dependent on any entity that manufactures or markets explosives, and whose work with respect to explosives is limited to examination, testing and evaluation; and

(iii) Is a resident of the United States.

(2) A new explosive made by or under the direction or supervision of a component of the DOD may be examined, classed, and concurred in by:

(i) U.S. Army Technical Center for Explosives Safety (SMCAC-EST), Naval Sea Systems Command (SEA–9934), or Air Force Safety Agency (SEW), when approved by the Chairman, DOD Explosives Board, in accordance with the DOD Explosives Hazard Classification Procedures (IBR, see §171.7 of the subchapter); or

(ii) The agencies and procedures specified in paragraph (b)(1) of this section.

(3) A new explosive made by or under the direction or supervision of the Department of Energy (DOE) may be—

(i) Examined by the DOE in accordance with the DOD Explosives Hazard Classification Procedures, and must be classed and approved by DOE; or

(ii) Examined, classed, and approved in accordance with paragraph (b)(1) of this section.

(4) For a material shipped under the description of "ammonium nitrate-fuel oil mixture (ANFO)", the only test required for classification purposes is the Cap Sensitivity Test—Test Method 5(a) prescribed in the Explosive Test Manual (UN Manual of Tests and Criteria) (IBR, see §171.7 of the subchapter). The test must be performed by an agency listed in paragraph (b)(1), (b)(2), or (b)(3) of this section, the manufacturer, or the shipper. A copy of the test report must be submitted to the Associate Administrator before the material is offered for transportation, and a copy of the test report must be retained by the shipper for as long as that material is shipped. At a minimum, the test report must contain the name and address of the person or organization conducting the test, date of the test, quantitative description of the mixture, including prill size and porosity, and a description of the test results.

(c) Filing DOD or DOE approval report. DOD or DOE must file a copy of each approval, accompanied by supporting laboratory data, with the Associate Administrator and receive acknowledgement in writing before offering the new explosive for transportation, unless the new explosive is:

(1) Being transported under paragraph (d) or (e) of this section; or

(2) Covered by a national security classification currently in effect.

(d) Transportation of explosive samples for examination. Notwithstanding the requirements of paragraph (b) of this section with regard to the transportation of a new explosive that has not been approved, a person may offer a sample of a new explosive for transportation, by railroad, highway, or vessel from the place where it was produced to an agency identified in paragraph (b) of this section, for examination if—

(1) The new explosive has been assigned a tentative shipping description and class in writing by the testing agency;

(2) The new explosive is packaged as required by this part according to the tentative description and class assigned, unless otherwise specified in writing by the testing agency; and,

(3) The package is labeled as required by this subchapter and the following is marked on the package:

(i) The words "SAMPLE FOR LABORATORY EXAMINATION";

(ii) The net weight of the new explosive; and

(iii) The tentative shipping name and identification number.

(e) Transportation of unapproved explosives for developmental testing. Notwithstanding the requirements of paragraph (b) of this section, the owner of a new explosive that has not been examined or approved may transport that new explosive from the place where it was produced to an explosives testing range if—

(1) It is not a primary (a 1.1A initiating) explosive or a forbidden explosive according to this subchapter;

(2) It is described as a Division 1.1 explosive (substance or article) and is packed, marked, labeled, described on shipping papers and is otherwise offered for transportation in conformance with the requirements of this subchapter applicable to Division 1.1;

(3) It is transported in a motor vehicle operated by the owner of the explosive; and

(4) It is accompanied by a person, in addition to the operator of the motor vehicle, who is qualified by training and experience to handle the explosive.

(f) Notwithstanding the requirements of paragraphs (b) and (d) of this section, the Associate Administrator may approve a new explosive on the basis of an approval issued for the explosive by the competent authority of a foreign government, or when examination of the explosive by a person approved by the Associate Administrator is impracticable, on the basis of reports of tests conducted by disinterested third parties, or may approve the transportation of an explosives sample for the purpose of examination by a person approved by the Associate Administrator.

(g) Notwithstanding the requirements of paragraph (b) of this section, an explosive may be transported under §§171.11, 171.12, 171.12a or 176.11 of this subchapter without the approval of the Associate Administrator if the Associate Administrator has acknowledged, in writing, the acceptability of an approval issued by the competent authority of a foreign government pursuant to the provisions of the UN Recommendations, the ICAO Technical Instructions, the IMDG Code, or other national or international regulations based on the UN Recommendations. In such a case, a copy of the foreign competent authority approval, and a copy of the written acknowledgement of its acceptance must accompany each shipment of that explosive.

(h) The requirements of this section do not apply to cartridges, small arms which are:

(1) Not a forbidden explosive under §173.54 of this subchapter;

(2) Ammunition for rifle, pistol, or shotgun;

(3) Ammunition with inert projectile or blank ammunition; and

(4) Ammunition not exceeding 50 caliber for rifle or pistol cartridges or 8 gauge for shotgun shells.

Cartridges, small arms meeting the criteria of this paragraph (h) may be assigned a classification code of 1.4S by the manufacturer.

(i) If experience or other data indicate that the hazard of a material or a device containing an explosive composition is greater or less than indicated according to the definition and criteria specified in §§173.50, 173.56, and 173.58 of this subchapter, the Associate Administrator may specify a classification or except the material or device from the requirements of this subchapter.

(j) Fireworks. Notwithstanding the requirements of paragraph (b) of this section, Division 1.3 and 1.4 fireworks may be classed and approved by the Associate Administrator without prior examination and offered for transportation if the following conditions are met:

(1) The fireworks are manufactured in accordance with the applicable requirements in APA Standard 87–1 (IBR, see §171.7 of this subchapter);

(2) A thermal stability test is conducted on the device by the BOE, the BOM, or the manufacturer. The test must be performed by maintaining the device, or a representative prototype of a large device such as a display shell, at a temperature of 75  $^{\circ}$ C (167  $^{\circ}$ F) for 48 consecutive hours. When a device contains more than one component, those components which could be in physical contact with each other in the finished device must be placed in contact with each other during the thermal stability test; and

(3) The manufacturer applies in writing to the Associate Administrator following the applicable requirements in APA Standard 87–1, and is notified in writing by the Associate Administrator that the fireworks have been classed, approved, and assigned an EX-number. Each application must be complete, including all relevant background data and copies of all applicable drawings, test results, and any other pertinent information on each device for which approval is being requested. The manufacturer must sign the application and certify that the device for which approval is requested conforms to APA Standard 87–1 and that the descriptions and technical information contained in the application are complete and accurate. If the application is denied, the manufacturer will be notified in writing of the reasons for the denial. The Associate Administrator may require that the fireworks be examined by an agency listed in paragraph (b)(1) of this section.

### § 173.63 Packaging exceptions

(a) Cord, detonating (UN 0065), having an explosive content not exceeding 6.5 g (0.23 ounces) per 30 centimeter length (one linear foot) may be offered for transportation domestically and transported as Cord, detonating (UN 0289), Division 1.4 Compatibility Group D (1.4D) explosives, if the gross weight of all packages containing Cord, detonating (UN 0065), does not exceed 45 kg (99 pounds) per:

(1) Transport vehicle, freight container, or cargo-only aircraft;

(2) Off-shore down-hole tool pallet carried on an off-shore supply vessel;

(3) Cargo compartment of a cargo vessel; or

(4) Passenger-carrying aircraft used to transport personnel to remote work sites, such as offshore drilling units.

(b) *Cartridges, small arms, and cartridges power devices.* (1) Cartridges, small arms, and cartridges power devices (which are used to project fastening devices) which have been classed as a Division 1.4S explosive may be reclassed, offered for transportation, and transported as ORM-D material when packaged in accordance with paragraph (b)(2) of this section; such transportation is excepted from the requirements of subparts E (Labeling) and F (Placarding) of part 172 of this subchapter. Cartridges, small arms, and cartridges power devices that may be shipped as ORM-D material is limited to:

(i) Ammunition for rifle, pistol or shotgun;

(ii) Ammunition with inert projectiles or blank ammunition;

(iii) Ammunition having no tear gas, incendiary, or detonating explosive projectiles;

(iv) Ammunition not exceeding 12.7 mm (50 caliber or 0.5 inch) for rifle or pistol, cartridges or 8 gauge for shotshells; and

(v) Cartridges, power devices which are used to project fastening devices.

(2) Packaging for cartridges, small arms, and cartridges power devices as ORM-D material must be as follows:

(i) Ammunition must be packed in inside boxes, or in partitions which fit snugly in the outside packaging, or in metal clips;

(ii) Primers must be protected from accidental initiation;

(iii) Inside boxes, partitions or metal clips must be packed in securely-closed strong outside packagings;

(iv) Maximum gross weight is limited to 30 kg (66 pounds) per package; and

(v) Cartridges, power devices which are used to project fastening devices and 22 caliber rim-fire cartridges may be packaged loose in strong outside packagings.

(c)–(e) [Reserved]

(f) Detonators containing no more than 1 g explosive (excluding ignition and delay charges) that are electric blasting caps with leg wires 4 feet long or longer, delay connectors in plastic sheaths, or blasting caps with empty plastic tubing 12 feet long or longer may be packed as follows in which case they are excepted from the packaging requirements of §173.62:

(1) No more than 50 detonators in one inner packaging;

(2) IME Standard 22 container (IBR, see §171.7 of this subchapter) or compartment is used as the outer packaging;

(3) No more than 1000 detonators in one outer packaging; and

(4) No material may be loaded on top of the IME Standard 22 container and no material may be loaded against the outside door of the IME Standard 22 compartment.

(g) Detonators that are classed as 1.4B or 1.4S and contain no more than 1 g of explosive (excluding ignition and delay charges) may be packed as follows in which case they are excepted from the packaging requirements of §173.62:

(1) No more than 50 detonators in one inner packaging;

(2) IME Standard 22 container is used as the outer packaging;

(3) No more than 1000 detonators in one outer packaging; and

(4) Each inner packaging is marked "I.4B Detonators" or "1.4S Detonators", as appropriate.

#### § 173.150 Exceptions for Class 3 (flammable and combustible liquids)

(a) *General*. Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 Table of this subchapter.

(b) *Limited quantities*. Limited quantities of flammable liquids (Class 3) and combustible liquids are excepted from labeling requirements, unless the material also meets the definition of Division 6.1 or is offered for transportation or transported by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For flammable liquids in Packing Group I, inner packagings not over 0.5 L (0.1 gallon) net capacity each, packed in strong outer packagings;

(2) For flammable liquids in Packing Group II, inner packagings not over 1.0 L (0.3 gallons) net capacity each, unless the material has a subsidiary hazard of Division 6.1, Packing Group II, in which case the inner packagings may not exceed 100 mL (3.38 ounces) net capacity each, packed in a strong outer packaging.

(3) For flammable liquids in Packing Group III and combustible liquids, inner packagings not over 5.0 L (1.3 gallons) net capacity each, packed in strong outer packagings.

(c) *Consumer commodities.* Except for a material that has a subsidiary hazard of Division 6.1, Packing Group II, a limited quantity which conforms to the provisions of paragraph (b) of this section and is a "consumer commodity" as defined in 171.8 of this subchapter, may be renamed "Consumer commodity" and reclassed as ORM–D material. In addition to the exceptions provided by paragraph (b) of this section, shipments of ORM–D materials are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or are offered for transportation and transported by aircraft, and are eligible for the exceptions provided in §173.156.

(d) *Alcoholic beverages.* An alcoholic beverage (wine and distilled spirits as defined in 27 CFR 4.10 and 5.11) is not subject to the requirements of this subchapter if it—

(1) Contains 24 percent or less alcohol by volume;

(2) Is in an inner packaging of 5 L (1.3 gallons) or less, and for transportation on passenger-carrying aircraft conforms to 175.10(a)(17) of this subchapter as checked or carry-on baggage; or

(3) Is a Packing Group III alcoholic beverage in a packaging of 250 L (66 gallons) or less, unless transported by air.

(e) *Aqueous solutions of alcohol.* An aqueous solution containing 24 percent or less alcohol by volume and no other hazardous material—

(1) May be reclassed as a combustible liquid.

(2) Is not subject to the requirements of this subchapter if it contains no less than 50 percent water.

(f) *Combustible liquids.* (1) A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassed as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable.

(2) The requirements in this subchapter do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant.

(3) A combustible liquid that is in a bulk packaging or a combustible liquid that is a hazardous substance, a hazardous waste, or a marine pollutant is not subject to the requirements of this subchapter except those pertaining to:

(i) Shipping papers, waybills, switching orders, and hazardous waste manifests;

(ii) Marking of packages;

(iii) Display of identification numbers on bulk packages;

(iv) For bulk packagings only, placarding requirements of subpart F of part 172 of this subchapter;

(v) Carriage aboard aircraft and vessels (for packaging requirements for transport by vessel, see §176.340 of this subchapter);

(vi) Reporting incidents as prescribed by §§171.15 and 171.16 of this subchapter;

(vii) Packaging requirements of subpart B of this part and, in addition, non-bulk packagings must conform with requirements of §173.203;

(viii) The requirements of §§173.1, 173.21, 173.24, 173.24a, 173.24b, 174.1, 177.804, 177.817, 177.834(j), and 177.837(d) of this subchapter;

(ix) The training requirements of subpart H of part 172 of this subchapter.

(x) Emergency response information requirements of subpart G of part 172.

(4) A combustible liquid that is not a hazardous substance, a hazardous waste, or a marine pollutant is not subject to the requirements of this subchapter if it is a mixture of one or more components that—

(i) Has a flash point at or above 93 °C (200 °F),

(ii) Comprises at least 99 percent of the volume of the mixture, and

(iii) Is not offered for transportation or transported as a liquid at a temperature at or above its flash point.

### § 173.151 Exceptions for Class 4

(a) *General.* Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) *Limited quantities of Division 4.1.* Limited quantities of flammable solids (Division 4.1) in Packing Group II or III are excepted from labeling requirements, unless the material also meets the definition of Division 6.1 or is offered for transportation or transported by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For flammable solids in Packing Group II, inner packagings not over 1.0 kg (2.2 pounds) net capacity each, unless the material has a subsidiary hazard of Division 6.1, Packing Group II, in which case the inner packagings may not exceed 0.5 kg (1.1 pounds) net capacity each, packed in a strong outer packaging.

(2) For flammable solids in Packing Group III, inner packagings not over 5.0 kg (11 pounds) net capacity each, packed in a strong outer packaging.

(c) *Consumer commodities.* Except for a material that has a subsidiary hazard of Division 6.1, Packing Group II, a limited quantity which conforms to the provisions of paragraph (b) of this section, and charcoal briquettes in packagings not exceeding 30 kg (66 pounds) gross weight, may be renamed "Consumer commodity" and reclassed as ORM–D material if the material is a "consumer commodity" as defined in §171.8 of this subchapter. In addition to the exceptions provided by paragraph (b) of this section, shipments of ORM–D materials are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or is offered for transportation and transported by aircraft, and are eligible for the exceptions provided in §173.156.

(d) *Limited quantities of Division 4.3.* Limited quantities of dangerous when wet (Division 4.3) solids in Packing Group II or III are excepted from labeling requirements, unless the material also meets the definition of Division 6.1 or is offered for transportation or transported by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For Division 4.3 solids in Packing Group II, inner packagings not over 0.5 kg (1.1 pound) net capacity each, packed in strong outer packagings; and

(2) For Division 4.3 solids in Packing Group III, inner packagings not over 1 kg (2.2 pounds) net capacity each, packed in strong outer packagings.

## § 173.152 Exceptions for Division 5.1 (oxidizers) and Division 5.2 (organic peroxides)

(a) *General.* Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) *Limited quantities*. Limited quantities of oxidizers (Division 5.1) in Packing Group II and III and organic peroxides are excepted from labeling requirements, unless the material also meets the definition of Division 6.1 or is offered for transportation or transported by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For oxidizers in Packing Group II, inner packagings not over 1.0 L (0.3 gallon) net capacity each for liquids or not over 1.0 kg (2.2 pounds) net capacity each for solids, unless the material has a subsidiary hazard of Division 6.1, Packing Group II, in which case the inner packagings may not exceed 100 mL (3.38 ounces) for liquids or 0.5 kg (1.1 pounds) for solids, packed in a strong outer packaging.

(2) For oxidizers in Packing Group III, inner packagings not over 5 L (1.3 gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, and packed in strong outer packagings.

(3) For organic peroxides which do not require temperature control during transportation—

(i) For Type D, E, or F organic peroxides, inner packagings not over 125 mL (4.22 ounces) net capacity each for liquids or 500 g (17.64 ounces) net capacity for solids, packed in strong outer packagings.

(ii) For Type B or C organic peroxides, inner packagings not over 25 mL (0.845 ounces) net capacity each for liquids or 100 g (3.528 ounces) net capacity for solids, packed in strong outer packagings.

(4) For polyester resin kits consisting of a base material component (Class 3, Packing Group II or III) and an activator component (Type C, D, E, or F organic peroxide which does not require temperature control)—

(i) The organic peroxide component must be packed in inner packagings not over 125 mL (4.22 ounces) net capacity each for liquids or 500 g (17.64 ounces) net capacity each for solids;

(ii) The flammable liquid component must be packed in inner packagings not over 5 L (1.3 gallons) net capacity each for Packing Group II or III liquid; and

(iii) The flammable liquid component and the organic peroxide component may be packed in the same strong outer packaging provided they will not interact dangerously in the event of leakage.

(c) *Consumer commodities.* Except for a material that has a subsidiary hazard of Division 6.1, Packing Group II, a limited quantity which conforms to the provisions of paragraph (b) of this section, and is a "consumer commodity" as defined in §171.8 of this subchapter, may be renamed "Consumer commodity" and reclassed as ORM–D. In addition to the exceptions provided by paragraph

(b) of this section, shipments of ORM–D materials are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or are offered for transportation and transported by aircraft, and are eligible for the exceptions provided in §173.156.

#### § 173.153 Exceptions for Division 6.1 (poisonous materials)

**Note:** FedEx Ground does not handle Division 6.1 material unless packaged by a Special Permit or 49 CFR 173.13.

(a) *General.* Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) *Limited quantities*. The exceptions in this paragraph do not apply to poisonby-inhalation materials. Limited quantities of poisonous materials (Division 6.1) in Packing Group II and III are excepted from the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For poisonous materials in Packing Group II, inner packagings not over 100 mL (3.38 ounces) each for liquids or 0.5 kg (1.1 pounds) each for solids, packed in a strong outer packaging.

(2) For poisonous materials in Packing Group III, inner packagings not over 4 L (1.0 gallon) each for liquids or 5.0 kg (11 pounds) each for solids, packed in a strong outer packaging.

(c) *Consumer commodities.* The following provisions apply to consumer commodities:

(1) A limited quantity of poisonous material in Packing Group III which conforms to the provisions of paragraph (b) of this section, and is a "consumer commodity" as defined in §171.8 of this subchapter, may be renamed "Consumer commodity" and reclassed as ORM–D.

(2) A poisonous material which is a drug or medicine and is a "consumer commodity" as defined in §171.8 of this subchapter, may be renamed "Consumer commodity" and reclassed as ORM-D material if packaged in a combination packaging not exceeding 30 kg (66 pounds) with inner packagings not over 250 mL (8 ounces) net capacity for liquids or 250 g (8.8 ounces) net capacity for solids packed in strong outer packagings. Each package must conform to the packaging requirements of subpart B of this part.

(3) Packages of ORM-D material are excepted from the specification packaging requirements of this subchapter and from the labeling requirements of subpart E of part 172 of this subchapter. Shipments of ORM-D material are eligible for the exceptions provided in §173.156 and in paragraph (b) of this section and are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, a hazardous waste, or a marine pollutant or unless offered for transportation or transported by aircraft

#### § 173.154 Exceptions for Class 8 (corrosive materials)

(a) *General.* Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) *Limited quantities*. Limited quantities of corrosive materials (Class 8) in Packing Group II and III are excepted from labeling requirements, unless the material also meets the definition of Division 6.1 or is offered for transportation or transported by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For corrosive materials in Packing Group II, inner packagings not over 1.0 L (0.3 gallon) net capacity each for liquids or not over 1.0 kg (2.2 pounds) net capacity each for solids, unless the material has a subsidiary hazard of Division 6.1, Packing Group II in which case the inner packagings may not exceed 100 mL (3.38 ounces) for liquids or 0.5 kg (1.1 pounds) for solids, packed in a strong outer packaging.

(2) For corrosive materials in Packing Group III, in inner packagings not over 5.0 L (1.3 gallons) net capacity each for liquids, or not over 5.0 kg (11 lbs) net capacity each for solids, and packed in strong outer packagings.

(c) Consumer commodities. Except for a material that has a subsidiary hazard of Division 6.1, Packing Group II, a limited quantity which conforms to the provisions of paragraph (b) of this section, and is a "consumer commodity" as defined in §171.8 of this subchapter, may be renamed "Consumer commodity" and reclassed as ORM–D. In addition to the exceptions provided by paragraph (b) of this section, shipments of ORM–D materials are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or are offered for transportation and transported by aircraft, and are eligible for the exceptions provided in §173.156.

(d) *Materials corrosive to aluminum or steel only.* Except for a hazardous substance, a hazardous waste, or a marine pollutant, a material classed as a Class 8, Packing Group III, material solely because of its corrosive effect—

(1) On aluminum is not subject to any other requirements of this subchapter when transported by motor vehicle or rail car in a packaging constructed of materials that will not react dangerously with or be degraded by the corrosive material; or

(2) On steel is not subject to any other requirements of this subchapter when transported by motor vehicle or rail car in a bulk packaging constructed of materials that will not react dangerously with or be degraded by the corrosive material.

#### § 173.155 Exceptions for Class 9 (miscellaneous hazardous materials)

(a) *General.* Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) Limited quantities. Limited quantities of miscellaneous hazardous materials (Class 9) are excepted from labeling, unless offered or intended for transportation by aircraft, and the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. In addition, shipments of these limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. The following combination packagings are authorized:

(1) For liquids, inner packagings not over 5.0 L (1.3 gallons) net capacity each. packed in strong outer packagings.

(2) For solids, inner packagings not over 5.0 kg (11 pounds) net capacity each, packed in strong outer packagings.

(c) *Consumer commodities.* A limited quantity which conforms to the provisions of paragraph (b) of this section and is a "consumer commodity" as defined in §171.8 of this subchapter, may be renamed "Consumer commodity" and reclassed as ORM-D material. In addition to the exceptions provided by paragraph (b) of this section, shipments of ORM-D materials are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, a hazardous waste, or a marine pollutant or unless offered for transportation or transported by aircraft, and are eligible for the exceptions provided in §173.156.

#### § 173.164 Mercury (metallic and articles containing mercury)

(a) For transportation by aircraft, mercury must be packaged in packagings which meet the requirements of part 178 of this subchapter at the Packing Group I performance level, as follows:

(1) In inner packagings of earthenware, glass or plastic containing not more than 3.5 kg (7.7 pounds) of mercury, or inner packagings which are glass ampoules containing not more than 0.5 kg (1.1 pounds) of mercury, or iron or steel quicksilver flasks containing not more than 35 kg (77 pounds) of mercury. The inner packagings or flasks must be packed in steel drums (1A2), steel jerricans (3A2), wooden boxes (4C1), (4C2), plywood boxes (4D), reconstituted wood boxes (4F), fiberboard boxes (4G), plastic boxes (4H2), plywood drums (1D) or fiber drums (1G).

(2) [Reserved]

(3) When inner packagings of earthenware, glass or plastic are used, they must be packed in the outer packaging with sufficient cushioning material to prevent breakage.

(4) Either the inner packagings or the outer packagings must have inner linings or bags of strong leakproof and puncture-resistant material impervious to mercury, completely surrounding the contents, so that the escape of mercury will be prevented irrespective of the position of the package.

(b) Manufactured articles or apparatuses, each containing not more than 100 mg (0.0035 ounce) of mercury and packaged so that the quantity of mercury per package does not exceed 1 g (0.035 ounce) are not subject to the requirements of this subchapter.

(c) Manufactured articles or apparatuses containing mercury are excepted from the specification packaging requirements of this subchapter when packaged as follows:

(1) Manufactured articles or apparatuses of which metallic mercury is a component part, such as manometers, pumps, thermometers, switches, etc. (for electron tubes, mercury vapor tubes and similar tubes, see paragraph (c)(3) of this section), must be in strong outer packagings, having sealed inner liners or bags of strong leakproof and puncture-resistant material impervious to mercury, which will prevent the escape of mercury from the package irrespective of its position. Mercury switches and relays are excepted from these packaging requirements, if they are totally enclosed, leakproof and in sealed metal or plastic units.

(2) Thermometers, switches and relays, each containing a total quantity of not more than 15 g (0.53 ounces) of mercury, are excepted from the requirements of this subchapter if installed as an integral part of a machine or apparatus and so

fitted that shock of impact damage, leading to leakage of mercury, is unlikely to occur under conditions normally incident to transport.

(3) Electron tubes, mercury vapor tubes and similar tubes must be packaged as follows:

(i) Tubes which are packed in strong outer packagings with all seams and joints sealed with self-adhesive, pressure-sensitive tape which will prevent the escape of mercury from the package, are authorized up to a total net quantity of 450 g (15.9 ounces) of mercury per package;

(ii) Tubes with more than 450 g (15.9 ounces) of mercury are authorized only when packed in strong outer packagings, having sealed inner liners or bags of strong leakproof and puncture-resistant material impervious to mercury which will prevent escape of mercury from the package irrespective of its position;

(iii) Tubes which do not contain more than 5 g (0.2 ounce) of mercury each and which are packed in the manufacturer's original packagings, are authorized up to a total net quantity of 30 g (1.1 ounces) of mercury per package;

(iv) Tubes which are completely jacketed in sealed leakproof metal cases are authorized in the manufacturer's original packagings.

(4) A person offering for transportation electron tubes, mercury vapor tubes, and similar tubes shall indicate the quantity of mercury therein on the shipping paper.

(5) Mercurial barometers conforming to paragraph (c)(1) of this section, which are loaded and unloaded from an aircraft under the supervision of, and accompanied in flight by, a National Weather Service official or similar United States agency official, are excepted from any other requirements of this subchapter.

(d) For transportation by other than aircraft, mercury must be packaged—

(1) In any packaging which meets the requirements of part 178 of this subchapter at the Packing Group III performance level; or

(2) In non-specification reusable metal packagings.

(e) Except for a hazardous substance or a hazardous waste or for transportation by aircraft or vessel, packages containing less than 0.45 kg (1.0 pound) net weight of mercury are not subject to the requirements of this subchapter.

#### § 173.166 Air bag inflators, air bag modules and seat-belt pretensioners

(a) *Definitions.* An *air bag inflator* (consisting of a casing containing an igniter, a booster material, a gas generant and, in some cases, a pressure vessel (cylinder)) is a gas generator used to inflate an air bag in a supplemental restraint system in a motor vehicle. An *air bag module* is the air bag inflator plus an inflatable bag assembly. A *seat-belt pre-tensioner* contains similar hazardous

materials and is used in the operation of a seat-belt restraining system in a motor vehicle.

(b) *Classification.* An air bag inflator, air bag module, or seat-belt pretensioner may be classed as Class 9 (UN3268) if:

(1) The manufacturer has submitted each design type air bag inflator, air bag module, or seat-belt pretensioner to a person approved by the Associate Administrator, in accordance with §173.56(b), for examination and testing. The submission must contain a detailed description of the inflator or pretensioner or, if more than a single inflator or pretensioner is involved, the maximum parameters of each particular inflator or pretensioner design type for which approval is sought and details on the complete package. The manufacturer must submit an application, including the test results and report recommending the shipping description and classification for each device or design type to the Associate Administrator, and must receive written notification from the Associate Administrator that the device has been approved for transportation and assigned an EX number; or,

(2) The manufacturer has submitted an application, including a classification issued by the competent authority of a foreign government to the Associate Administrator, and received written notification from the Associate Administrator that the device has been approved for transportation and assigned an EX number.

(c) *EX numbers.* When offered for transportation, the shipping paper must contain the EX number or product code for each approved inflator, module or pretensioner in association with the basic description required by §172.202(a) of this subchapter. Product codes must be traceable to the specific EX number assigned to the inflator, module or pretensioner by the Associate Administrator. The EX number or product code is not required to be marked on the outside package.

(d) *Exceptions.* (1) An air bag module or seat-belt pretensioner that has been approved by the Associate Administrator and is installed in a motor vehicle or in completed vehicle components, such as steering columns or door panels, is not subject to the requirements of this subchapter.

(2) An air bag module containing an inflator that has been previously approved for transportation is not required to be submitted for further examination or approval.

(3) An air bag module containing an inflator that has previously been approved as a Division 2.2 material is not required to be submitted for further examination to be reclassed as a Class 9 material.

(4) *Shipments for recycling.* When offered for domestic transportation by highway, rail freight, cargo vessel or cargo aircraft, a serviceable air bag module or seat-belt pretensioner removed from a motor vehicle that was manufactured

as required for use in the United States may be offered for transportation and transported without compliance with the shipping paper requirement prescribed in paragraph (c) of this section. However, the word "Recycled" must be entered on the shipping paper immediately after the basic description prescribed in §172.202 of this subchapter. No more than one device is authorized in the packaging prescribed in paragraph (e)(1), (2) or (3) of this section. The device must be cushioned and secured within the package to prevent movement during transportation.

(5) Until October 1, 2005, approved "Air bag inflators, compressed gas, *or* Air bag modules, compressed gas *or* Seat-belt pretensioners, compressed gas," UN3353, packaged in a non-specification packaging before October 1, 2003, may be transported or offered for domestic transportation when described, marked, and labeled as a Division 2.2 material in accordance with the HMR in effect on September 30, 2003.

(e) *Packagings.* Rigid, outer packagings, meeting the general packaging requirements of part 173, and the packaging specification and performance requirements of part 178 of this subchapter at the Packing Group III performance level are authorized as follows. The packagings must be designed and constructed to prevent movement of the articles and inadvertent operation.

(1) 1A2, 1B2, 1G or 1H2 drums.

(2) 3A2 or 3H2 jerricans.

(3) 4C1, 4C2, 4D, 4F, 4G or 4H2 boxes.

(4) Reusable high strength plastic or metal containers or dedicated handling devices are authorized for shipment of air bag inflators, air bag modules, and seat-belt pretensioners from a manufacturing facility to the assembly facility, subject to the following conditions:

(i) The gross weight of the container or handling device may not exceed 1000 kg (2205 pounds). The container or handling device structure must provide adequate support to allow them to be stacked at least three high with no damage to the containers or devices.

(ii) If not completely enclosed by design, the container or handling device must be covered with plastic, fiberboard, or metal. The covering must be secured to the container by banding or other comparable methods.

(iii) Internal dunnage must be sufficient to prevent shifting of the devices within the container.

(5) Packagings specified in the approval document issued by the Associate Administrator in accordance with paragraph (e) of this section are also authorized.

(f) *Labeling.* Notwithstanding the provisions of §172.402 of this subchapter, each package or handling device must display a CLASS 9 label. Additional labeling is not required when the package contains no hazardous materials other than the devices.

## § 173.170 Black powder for small arms

Black powder for small arms that has been classed in Division 1.1 may be reclassed as a Division 4.1 material, for domestic transportation by motor vehicle, rail freight, and cargo vessel only, subject to the following conditions:

(a) The powder must be examined and approved for Division 1.1 and Division 4.1 classification in accordance with §§173.56 and 173.58;

(b) The total quantity of black powder in one motor vehicle, rail car, or freight container may not exceed 45.4 kg (100 pounds) net mass, and no more than four freight containers may be on board one cargo vessel;

(c) The black powder must be packed in inner metal or heavy wall conductive plastic receptacles not over 454 g (16 ounces) net capacity each, with no more than 25 cans in one outer UN 4G fiberboard box. The inner packagings must be arranged and protected so as to prevent simultaneous ignition of the contents. The complete package must be of the same type which has been examined as required in §173.56;

(d) Each completed package must be marked "BLACK POWDER FOR SMALL ARMS" and "NA 0027"; and

(e) Each package must bear the FLAMMABLE SOLID label.

### § 173.171 Smokeless powder for small arms

Smokeless powder for small arms which has been classed in Division 1.3 may be reclassed in Division 4.1, for transportation by motor vehicle, rail car, vessel, or cargo-only aircraft, subject to the following conditions:

(a) The powder must be examined and approved for a Division 1.3 and Division 4.1 classification in accordance with §§173.56 and 173.58 of this part.

(b) The total quantity of smokeless powder may not exceed 45.4 kg (100 pounds) net mass in:

(1) One rail car, motor vehicle, or cargo-only aircraft; or

(2) One freight container on a vessel, not to exceed four freight containers per vessel.

(c) Only combination packagings with inner packagings not exceeding 3.6 kg (8 pounds) net mass are authorized. Inner packagings must be arranged and protected so as to prevent simultaneous ignition of the contents. The complete

package must be of the same type which has been examined as required in §173.56 of this part.

(d) Inside packages that have been examined and approved by the Associate Administrator may be packaged in UN 4G fiberboard boxes meeting the Packing Group I performance level, provided all inside containers are packed to prevent shifting and the net weight of smokeless powder in any one box does not exceed 7.3 kg (16 pounds).

## § 173.185 Lithium batteries and cells

(a) Except as otherwise provided in this subpart, a lithium cell or battery is authorized for transportation only if it conforms to the provisions of this section. For the purposes of this subchapter, "lithium content" means the mass of lithium in the anode of a lithium metal or lithium alloy cell, except in the case of a lithium ion cell where the "equivalent lithium content" in grams is calculated to be 0.3 times the rated capacity in ampere-hours. The lithium-equivalent content of a battery equals the sum of the grams of lithium-equivalent content contained in the component cells of the battery.

(b) *Exceptions*. Except for primary (non-rechargeable) lithium batteries and cells transported aboard passenger-carrying aircraft, cells and batteries are not subject to any other requirements of this subchapter if they meet the following:

(1) Each cell with a liquid cathode may contain not more than 0.5 g of lithium content. Each cell with a solid cathode may contain not more than 1.0 g of lithium content. Each lithium ion cell may contain not more than 1.5 g of equivalent lithium content;

(2) Each battery with a liquid cathode may contain an aggregate quantity of not more than 1.0 g of lithium content. Each battery with a solid cathode may contain an aggregate quantity of not more than 2.0 g of lithium content. Each lithium-ion battery may contain an aggregate quantity of not more than 8.0 grams of equivalent lithium content;

(3) Each cell or battery containing a liquid cathode must be hermetically sealed;

(4) Cells and batteries must be packed in such a way so as to prevent short circuits and must be packed in strong packagings, except when installed in equipment; and

(5) The outside of each package that contains a primary (non-rechargeable) lithium battery or cell must be marked "PRIMARY LITHIUM BATTERIES— FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT" on a background of contrasting color, in letters:

(i) At least 12 mm (0.5 inch) in height on packages having a gross mass of more than 30 kg (66 pounds); or

(ii) At least 6 mm (0.25 inch) on packages having a gross mass of 30 kg (66 pounds) or less; and

(6) If when fully charged, the aggregate lithium content of the anodes in a liquid cathode battery is more than 0.5 g, or the aggregate lithium content of the anodes in a solid cathode battery is more than 1.0 g, then the battery may not contain a liquid or gas that is a hazardous material according to this subchapter unless the liquid or gas, if free, would be completely absorbed or neutralized by other materials in the battery.

(c) Except for primary lithium (non-rechargeable) batteries and cells transported aboard passenger-carrying aircraft, cells and batteries are not subject to any other requirements of this subchapter if they meet the following:

(1) The lithium content of the anode of each cell, when fully charged, is not more than 5 g;

(2) The aggregate lithium content of the anodes of each battery, when fully charged, is not more than 25 g;

(3) Each cell or battery is of the type proven to be non-dangerous by testing in accordance with Tests in the UN Manual of Tests and Criteria (IBR; see §171.7 of this subchapter). Such testing must be carried out on each type of cell or battery prior to the initial transport of that type. A cell or battery and equipment containing a cell or battery which was first transported prior to January 1, 2006 and is of a type proven to meet the criteria of Class 9 by testing in accordance with the tests in the UN Manual of Tests and Criteria, Third Revised Edition, 1999 is not required to be retested;

(4) The outside of each package that contains a primary (non-rechargeable) lithium battery or cell must be marked "PRIMARY LITHIUM BATTERIES— FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT" on a background of contrasting color, in letters:

(i) At least 12 mm (0.5 inch) in height on packages having a gross mass of more than 30 kg (66 pounds); or

(ii) At least 6 mm (0.25 inch) on packages having a gross mass of 30 kg (66 pounds) or less; and

(5) Cells and batteries are designed or packed in such a way as to prevent short circuits under conditions normally encountered in transportation.

(d) Except for transportation aboard passenger-carrying aircraft, cells and batteries and equipment containing cells and batteries that were first transported prior to January 1, 1995, and were assigned to Class 9 on the basis of the requirements of this subchapter in effect on October 1, 1993, may continue to be transported in accordance with the applicable requirements in effect on October 1, 1993.

(e) Cells and batteries may be transported as items of Class 9 if they meet the requirements in paragraphs (e)(1) through (e)(7) of this section:

(1) Each cell and battery must be equipped with an effective means of preventing external short circuits.

(2) Each cell and battery must incorporate a safety venting device or be designed in a manner that will preclude a violent rupture under conditions normally incidental to transportation.

(3) Batteries containing cells or series of cells connected in parallel must be equipped with effective means, (such as diodes, fuses, etc.) as necessary to prevent dangerous reverse current flow.

(4) Authorized outer packagings: rigid outer packagings that conform to the general packaging requirements of part 173 and the packaging specification and performance requirements of part 178 of this subchapter at the Packing Group II performance level. Cells and batteries must be packed in such a manner as to effectively prevent short circuits through the use of inner packagings, dividers, or other suitable means.

#### (5) [Reserved]

(6) Each cell or battery is of the type proven to meet the lithium battery requirements in the UN Manual of Tests and Criteria (IBR; see §171.7 of this subchapter). A cell or battery and equipment containing a cell or battery of a design type which was first transported prior to January 1, 2006 and is of a type proven to meet the criteria of Class 9 by testing in accordance with the tests in the UN Manual of Tests and Criteria, Third Revised Edition, 1999 is not required to be retested;

(7) Except as provided in paragraph (h) of this section, cells and batteries with a liquid cathode containing sulfur dioxide, sulfuryl chloride or thionyl chloride may not be offered for transportation or transported if any cell has been discharged to the extent that the open circuit voltage is less than two volts, or is less than two-thirds of the voltage of the fully charged cell, whichever is less.

(f) Equipment containing or packed with cells and batteries meeting the requirements of paragraph (b) or (c) of this section is excepted from all other requirements of this subchapter.

(g) Equipment containing or packed with cells and batteries may be transported as items of Class 9 if the batteries and cells meet all requirements of paragraph (e) of this section and are packaged as follows:

(1) Equipment containing cells and batteries must be packed in a strong outer packaging that is waterproof or has a waterproof liner, unless the equipment is made waterproof by nature of its construction. The equipment must be secured

within the outer packaging and be packed as to effectively prevent moving, short circuits, and accidental operation during transport; and

(2) Cells and batteries packed with equipment must be packed in inner packagings conforming to (e)(4) of this section in such a manner as to effectively prevent moving and short circuits.

(h) Cells and batteries, for disposal, may be offered for transportation or transported to a permitted storage facility and disposal site by motor vehicle when they meet the following requirements:

(1) Be equipped with an effective means of preventing external short circuits; and

(2) Be packed in a strong outer packaging conforming to the requirements of §§173.24 and 173.24a. The packaging need not conform to performance requirements of part 178 of this subchapter.

(i) Cells and batteries and equipment containing or packed with cells and batteries which do not comply with the provisions of this section may be transported only if they are approved by the Associate Administrator.

(j) For testing purposes, when not contained in equipment, cells and batteries may be offered for transportation or transported by highway as items of Class 9. Packaging must conform with paragraph (e)(4) of this section.

(k) Batteries employing a strong, impact-resistant outer casing and exceeding a gross mass of 12 kg (26.5 lbs.), and assemblies of such batteries, may be packed in strong outer packagings, in protective enclosures (for example, in fully enclosed wooden slatted crates) or on pallets. Batteries must be secured to prevent inadvertent movement, and the terminals may not support the weight of other superimposed elements. Batteries packaged in this manner are not permitted for transportation by passenger aircraft, and may be transported by cargo aircraft only if approved by the Associate Administrator prior to transportation.

### § 173.186 Matches

(a) Matches must be of a type which will not ignite spontaneously or undergo marked decomposition when subjected for 8 consecutive hours to a temperature of 93 °C (200 °F).

(b) *Definitions.* (1) *Fusee matches* are matches the heads of which are prepared with a friction-sensitive igniter composition and a pyrotechnic composition which burns with little or no flame, but with intense heat.

(2) *Safety matches* are matches combined with or attached to the box, book or card that can be ignited by friction only on a prepared surface.

(3) *Strike anywhere* matches are matches that can be ignited by friction on a solid surface.

(4) *Wax "Vesta"* matches are matches that can be ignited by friction either on a prepared surface or on a solid surface.

(c) Safety matches and wax "Vesta" matches must be tightly packed in securely closed inner packagings to prevent accidental ignition under conditions normally incident to transportation, and further packed in outer fiberboard, wooden, or other equivalent-type packagings. These matches in outer packagings not exceeding 23 kg (50 pounds) gross weight are not subject to any other requirement (except marking) of this subchapter. These matches may be packed in the same outer packaging with materials not subject to this subchapter.

(d) Strike-anywhere matches may not be packed in the same outer packaging with any material other than safety matches or wax "Vesta" matches, which must be packed in separate inner packagings.

(e) Packagings. Strike-anywhere matches must be tightly packed in securely closed chipboard, fiberboard, wooden, or metal inner packagings to prevent accidental ignition under conditions normally incident to transportation. Each inner packaging may contain no more than 700 strike-anywhere matches and must be packed in outer steel drums (1A2), aluminum drums (1B2), steel jerricans (3A2), wooden (4C1, 4C2), plywood (4D), reconstituted wood (4F) or fiberboard (4G) boxes, plywood (1D) or fiber (1G) drums. Gross weight of fiberboard boxes (4G) must not exceed 30 kg (66 pounds). Gross weight of other outer packagings must not exceed 45 kg (100 pounds).

### § 173.217 Carbon dioxide, solid (dry ice)

(a) Carbon dioxide, solid (dry ice), when offered for transportation or transported by aircraft or water, must be packed in packagings designed and constructed to permit the release of carbon dioxide gas to prevent a build-up of pressure that could rupture the packagings. Packagings must conform to the general packaging requirements of subpart B of this part but need not conform to the requirements of part 178 of this subchapter. For each shipment by air exceeding 2.3 kg (5 lbs) per package, advance arrangements must be made between the shipper and each carrier.

(b) Railroad cars and motor vehicles containing solid carbon dioxide, when accepted for transportation on board ocean vessels, must be conspicuously marked on two sides "WARNING CO<sub>2</sub> SOLID (DRY ICE)."

(c) Other packagings containing solid carbon dioxide, when offered or accepted for transportation on board ocean vessels, must be marked "CARBON DIOXIDE, SOLID—DO NOT STOW BELOW DECKS."

(d) Not more than 200 kg (441 pounds) of solid carbon dioxide may be transported in any one cargo compartment or bin on any aircraft except by specific and special written arrangement between the shipper and the aircraft operator.

(e) Carbon dioxide, solid (dry ice) is excepted from the shipping paper and certification requirements of this subchapter if the requirements of paragraphs (a) and (d) of this section are complied with and the package is marked "Carbon dioxide, solid" or "Dry ice" and marked with an indication that the material being refrigerated is used for diagnostic or treatment purposes (e.g., frozen medical specimens).

### § 173.306 Limited quantities of compressed gases

(a) Limited quantities of compressed gases for which exceptions are permitted as noted by reference to this section in §172.101 of this subchapter are excepted from labeling (except when offered for transportation by air) and, unless required as a condition of the exception, specification packaging requirements of this subchapter when packed in accordance with the following paragraphs. In addition, shipments are not subject to subpart F of part 172 of this subchapter, to part 174 of this subchapter except §174.24 and to part 177 of this subchapter except §177.817. Each package may not exceed 30 kg (66 pounds) gross weight.

(1) When in containers of not more than 4 fluid ounces capacity (7.22 cubic inches or less) except cigarette lighters. Special exceptions for shipment of certain compressed gases in the ORM-D class are provided in paragraph (h) of this section.

(2) When in metal containers filled with a material that is not classed as a hazardous material to not more than 90 percent of capacity at 70 °F. and then charged with nonflammable, nonliquefied gas. Each container must be tested to three times the pressure at 70 °F. and, when refilled, be retested to three times the pressure of the gas at 70 °F. Also, one of the following conditions must be met:

(i) Container is not over 1 quart capacity and charged to not more than 170 psig at 70 °F. and must be packed in a strong outside packaging, or

(ii) Container is not over 30 gallons capacity and charged to not more than 75 psig at 70  $^\circ\text{F}.$ 

(3) When in a metal container for the sole purpose of expelling a nonpoisonous (other than a Division 6.1 Packing Group III material) liquid, paste or powder, provided all of the following conditions are met. Special exceptions for shipment of aerosols in the ORM-D class are provided in paragraph (h) of this section.

(i) Capacity must not exceed 1 L(61.0 cubic inches).

(ii) Pressure in the container must not exceed 180 psig at 130 °F. If the pressure exceeds 140 psig at 130 °F., but does not exceed 160 psig at 130 °F., a specification DOT 2P (§178.33 of this subchapter) inside metal container must be used; if the pressure exceeds 160 psig at 130 °F., a specification DOT 2Q (§178.33a of this subchapter) inside metal container must be used. In any event,

the metal container must be capable of withstanding without bursting a pressure of one and one-half times the equilibrium pressure of the content at 130 °F.

(iii) Liquid content of the material and gas must not completely fill the container at 130 °F.

(iv) The container must be packed in strong outside packagings.

(v) Each container must be subjected to a test performed in a hot water bath; the temperature of the bath and the duration of the test must be such that the internal pressure reaches that which would be reached at 55 °C (131 °F) (50 °C (122 °F) if the liquid phase does not exceed 95% of the capacity of the container at 50 °C (122 °F)). If the contents are sensitive to heat, the temperature of the bath must be set at between 20 °C (68 °F) and 30 °C (86 °F) but, in addition, one container in 2,000 must be tested at the higher temperature. No leakage or permanent deformation of a container may occur.

(vi) Each outside packaging must be marked "INSIDE CONTAINERS COMPLY WITH PRESCRIBED REGULATIONS."

(4) Gas samples must be transported under the following conditions:

(i) A gas sample may only be transported as non-pressurized gas when its pressure corresponding to ambient atmospheric pressure in the container is not more than 105 kPa absolute (15.22 psia).

(ii) Non-pressurized gases, toxic (or toxic and flammable) must be packed in hermetically sealed glass or metal inner packagings of not more than one L (0.3 gallons) overpacked in a strong outer packaging.

(iii) Non-pressurized gases, flammable must be packed in hermetically-sealed glass or metal inner packagings of not more than 5 L (1.3 gallons) and overpacked in a strong outer packaging.

(b) *Exceptions for foodstuffs, soap, biologicals, electronic tubes, and audible fire alarm systems.* Limited quantities of compressed gases, (except Division 2.3 gases) for which exceptions are provided as indicated by reference to this section in §172.101 of this subchapter, when in accordance with one of the following paragraphs are excepted from labeling (except when offered for transportation by air) and the specification packaging requirements of this subchapter. In addition, shipments are not subject to subpart F of part 172 of this subchapter, to part 174 of this subchapter except §174.24 and to part 177 of this subchapter, except §177.817. Special exceptions for shipment of certain compressed gases in the ORM-D class are provided in paragraph (h) of this section.

(1) Foodstuffs or soaps in a nonrefillable metal container not exceeding 1 L (61.0 cubic inches), with soluble or emulsified compressed gas, provided the pressure in the container does not exceed 140 p.s.i.g. at 130 °F. The metal container must

be capable of withstanding without bursting a pressure of one and one-half times the equilibrium pressure of the content at 130 °F.

(i) Containers must be packed in strong outside packagings.

(ii) Liquid content of the material and the gas must not completely fill the container at 130  $^{\circ}$ F.

(iii) Each outside packaging must be marked "INSIDE CONTAINERS COMPLY WITH PRESCRIBED REGULATIONS."

(2) Cream in refillable metal receptacles with soluble or emulsified compressed gas. Containers must be of such design that they will hold pressure without permanent deformation up to 375 psig and must be equipped with a device designed so as to release pressure without bursting of the container or dangerous projection of its parts at higher pressures. This exception applies to shipments offered for transportation by refrigerated motor vehicles only.

(3) Nonrefillable metal containers charged with a Division 6.1 Packing Group III or nonflammable solution containing biological products or a medical preparation which could be deteriorated by heat, and compressed gas or gases. The capacity of each container may not exceed 35 cubic inches (19.3 fluid ounces). The pressure in the container may not exceed 140 psig at 130 °F., and the liquid content of the product and gas must not completely fill the containers at 130 °F. One completed container out of each lot of 500 or less, filled for shipment, must be heated, until the pressure in the container is equivalent to equilibrium pressure of the content at 130 °F. There must be no evidence of leakage, distortion, or other defect. Container must be packed in strong outside packagings.

(4) Electronic tubes, each having a volume of not more than 30 cubic inches and charged with gas to a pressure of not more than 35 psig and packed in strong outside packagings.

(5) Audible fire alarm systems powered by a compressed gas contained in an inside metal container when shipped under the following conditions:

(i) Each inside container must have contents which are not flammable, poisonous, or corrosive as defined under this part,

(ii) Each inside container may not have a capacity exceeding 35 cubic inches (19.3 fluid ounces),

(iii) Each inside container may not have a pressure exceeding 70 psig at 70  $^{\circ}$ F. and the liquid portion of the gas may not completely fill the inside container at 130  $^{\circ}$ F., and

(iv) Each nonrefillable inside container must be designed and fabricated with a burst pressure of not less than four times its charged pressure at 130 °F. Each

refillable inside container must be designed and fabricated with a burst pressure of not less than five times its charged pressure at 130 °F.

#### (c)–(d) [Reserved]

(e) *Refrigerating machines.* (1) New (unused) refrigerating machines or components thereof are excepted from the specification packaging requirements of this part if they meet the following conditions. In addition, shipments are not subject to subpart F of part 172 of this subchapter, to part 174 of this subchapter except §174.24 and to part 177 of this subchapter except §177.817.

(i) Each pressure vessel may not contain more than 5,000 pounds of Group A1 refrigerant as classified in ANSI/ASHRAE Standard 15 or not more than 50 pounds of refrigerant other than Group A1.

(ii) Machines or components having two or more charged vessels may not contain an aggregate of more than 2,000 pounds of Group I refrigerant or more than 100 pounds of refrigerant other than Group I.

(iii) Each pressure vessel must be equipped with a safety device meeting the requirements of ANSI/ASHRAE 15 (IBR, see §171.7 of this subchapter).

(iv) Each pressure vessel must be equipped with a shut-off valve at each opening except openings used for safety devices and with no other connection. These valves must be closed prior to and during transportation.

(v) Pressure vessels must be manufactured, inspected and tested in accordance with ANSI/ASHRAE 15, or when over 6 inches internal diameter, in accordance with Section VIII of the ASME Code (IBR, see §171.7 of this subchapter).

(vi) All parts subject to refrigerant pressure during shipment must be tested in accordance with ANSI/ASHRAE 15.

(vii) The liquid portion of the refrigerant, if any, may not completely fill any pressure vessel at 130 °F.

(viii) The amount of refrigerant, if liquefied, may not exceed the filling density prescribed in §173.304.

(f) Accumulators (Articles, pressurized pneumatic or hydraulic containing nonflammable gas). The following applies to accumulators, which are hydraulic accumulators containing nonliquefied, nonflammable gas, and nonflammable liquids or pneumatic accumulators containing nonliquefied, nonflammable gas, fabricated from materials which will not fragment upon rupture.

(1) Accumulators installed in motor vehicles, construction equipment, and assembled machinery and designed and fabricated with a burst pressure of not less than five times their charged pressure at 70 °F., when shipped, are not subject to the requirements of this subchapter.

(2) Accumulators charged with limited quantities of compressed gas to not more than 200 p.s.i.g. at 70 °F. are excepted from labeling (except when offered for transportation by air) and the specification packaging requirements of this subchapter when shipped under the following conditions. In addition, shipments are not subject to subpart F of part 172 of this subchapter, to part 174 of this subchapter except §174.24 and to part 177 of this subchapter except §177.817.

(i) Each accumulator must be shipped as an inside packaging,

(ii) Each accumulator may not have a gas space exceeding 2,500 cubic inches under stored pressure, and

(iii) Each accumulator must be tested, without evidence of failure or damage, to at least three times its charged pressure of 70 °F., but not less than 120 p.s.i. before initial shipment and before each refilling and reshipment.

(3) Accumulators with a charging pressure exceeding 200 p.s.i.g. at 70 °F. are excepted from labeling (except when offered for transportation by air) and the specification packaging requirements of this subchapter when shipped under the following conditions:

(i) Each accumulator must be in compliance with the requirements stated in paragraph (f)(2), (i), (ii), and (iii) of this section, and

(ii) Each accumulator must be designed and fabricated with a burst pressure of not less than five times its charged pressure at 70 °F. when shipped.

(4) Accumulators intended to function as shock absorbers, struts, gas springs, pneumatic springs or other impact or energy-absorbing devices are not subject to the requirements of this subchapter provided each:

(i) Has a gas space capacity not exceeding 1.6 L and a charge pressure not exceeding 280 bar, where the product of the capacity expressed in liters and charge pressure expressed in bars does not exceed 80 (for example, 0.5 L gas space and 160 bar charge pressure);

(ii) Has a minimum burst pressure of 4 times the charge pressure at 20°C for products not exceeding 0.5 L gas space capacity and 5 times the charge pressure for products greater than 0.5 L gas space capacity;

(iii) Design type has been subjected to a fire test demonstrating that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, such that the article will not fragment and that the article does not rocket; and

(iv) Accumulators must be manufactured under a written quality assurance program which monitors parameters controlling burst strength, burst mode and performance in a fire situation as specified in paragraphs (f)(4)(i) through (f)(4)(ii)

of this section. A copy of the quality assurance program must be maintained at each facility at which the accumulators are manufactured.

(5) Accumulators not conforming to the provisions of paragraphs (f)(1) through (f)(4) of this section, may only be transported subject to the approval of the Associate Administrator.

(g) *Water pump system tank.* Water pump system tanks charged with compressed air or limited quantities of nitrogen to not over 40 psig for single-trip shipment to installation sites are excepted from labeling (transportation by air not authorized) and the specification packaging requirements of this subchapter when shipped under the following conditions. In addition, shipments are not subject to subpart F of this subchapter, to part 174 of this subchapter except §174.24 and part 177 except §177.817.

(1) The tank must be of steel, welded with heads concave to pressure, having a rated water capacity not exceeding 120 gallons and with outside diameter not exceeding 24 inches. Safety relief devices not required.

(2) The tank must be pneumatically tested to 100 psig. Test pressure must be permanently marked on the tank.

(3) The stress at prescribed pressure must not exceed 20,000 psi using formula:

S = Pd / 2t

where:

S = wall stress in psi:

P = prescribed pressure for the tank of at least 3 times charged pressure at 70 °F or 100 psig, whichever is greater;

d = inside diameter in inches;

t = minimum wall thickness, in inches.

(4) The burst pressure must be at least 6 times the charge pressure at 70 °F.

(5) Each tank must be overpacked in a strong outer packaging in accordance with §173.301(h).

(h) A limited quantity which conforms to the provisions of paragraph (a)(1), (a)(3), or (b) of this section and is a "consumer commodity" as defined in §171.8 of this subchapter, may be renamed "consumer commodity" and reclassed as ORM-D material. Each package may not exceed 30 kg (66 pounds) gross weight. In addition to the exceptions provided by paragraphs (a) and (b) of this section—

(1) Outside packagings are not required to be marked "INSIDE CONTAINERS COMPLY WITH PRESCRIBED REGULATIONS";

(2) Shipments of ORM-D materials are not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, a hazardous waste, or a marine pollutant or unless offered for transportation or transported by aircraft; and

(3) Shipments of ORM-D materials are eligible for the exceptions provided in §173.156.

(i) Aerosols with a capacity of less than 50 ml. Aerosols, as defined in §171.8 of this subchapter, with a capacity not exceeding 50 ml and with a pressure not exceeding 970 kPa (141 psig) at 55 °C (131 °F), containing no hazardous materials other than a Division 2.2 gas, are not subject to the requirements of this subchapter.

#### § 173.308 Cigarette lighter or other similar device charged with fuel.

(a) In addition to the requirements of §173.21(i), a cigarette lighter or other similar device charged with a flammable gas must be shipped as follows:

(1) No more than 70 mL (2.3 fluid ounces) of liquefied gas may be loaded into each device;

(2) The liquid portion of the gas may not exceed 85 percent of the volumetric capacity of each fluid chamber at 15  $^{\circ}$ C (59  $^{\circ}$ F);

(3) Each device, including closures, must be capable of withstanding without leakage or rupture an internal pressure of at least two times the vapor pressure of the fuel at 55  $^{\circ}$ C (131  $^{\circ}$ F); and

(4) Devices must be overpacked in packaging that is designed or arranged to prevent moving of the device itself.

(b) When no more than 1,500 devices covered by this section are transported in one motor vehicle by highway, the requirements of subparts C through H of part 172 of this subchapter, and part 177 of this subchapter do not apply. However, no person may offer for transportation or transport the devices or prepare the devices for shipment unless that person has been specifically informed of the requirements of this section. The outer packaging, as specified in Special Provision N10 of §172.102(c)(5) of this subchapter, must be plainly and durably marked with the required proper shipping name specified in §172.101 of this subchapter, or the words "CIGARETTE LIGHTERS" and the number of devices contained in the package.

(c) For transportation by water in a closed transport vehicle or a closed freight container, the following warning must be affixed to the access doors:

WARNING—MAY CONTAIN EXPLOSIVE MIXTURES WITH AIR—KEEP IGNITION SOURCES AWAY WHEN OPENING.

The warning must be on a contrasting background and must be readily legible from a distance of 8 m (26 feet).

## § 173.320 Cryogenic liquids; exceptions

(a) Atmospheric gases and helium, cryogenic liquids, in Dewar flasks, insulated cylinders, insulated portable tanks, insulated cargo tanks, and insulated tank cars, designed and constructed so that the pressure in such packagings will not exceed 25.3 psig under ambient temperature conditions during transportation are not subject to the requirements of this subchapter when transported by motor vehicle or railcar except as specified in paragraphs (a)(1), (a)(2), and (a)(3) of this section.

(1) Sections 171.15 and 171.16 of this subchapter pertaining to the reporting of incidents, not including a release that is the result of venting through a pressure control valve, or the neck of the Dewar flask.

(2) Subparts A, B, C, D, G and H of part 172, (§§174.24 for rail and 177.817 for highway) and in addition, part 172 in its entirety for oxygen.

(3) Subparts A and B of part 173, and §§174.1 and 177.800, 177.804, and 177.823 of this subchapter.

(b) The requirements of this subchapter do not apply to atmospheric gases and helium:

(1) During loading and unloading operations (pressure rises may exceed 25.3 psig); or

(2) When used in operation of a process system; such as a refrigeration system (pressure may exceed 25.3 psig).

(c) For transportation aboard aircraft, see the ICAO Technical Instructions (IBR, see §171.7 of this subchapter), Packing Instruction 202 and the packaging specifications in part 6, chapter 5.

# § 173.421 Excepted packages for limited quantities of Class 7 (radioactive) materials

(a) A Class 7 (radioactive) material with an activity per package which does not exceed the limited quantity package limits specified in Table 4 in §173.425, and its packaging, are excepted from requirements in this subchapter for specification packaging, labeling, marking (except for the UN identification number marking requirement described in §173.422(a)), and if not a hazardous substance or hazardous waste, shipping papers, and the requirements of this subpart if:

(1) Each package meets the general design requirements of §173.410;

(2) The radiation level at any point on the external surface of the package does not exceed 0.005 mSv/hour (0.5 mrem/ hour);

(3) The nonfixed (removable) radioactive surface contamination on the external surface of the package does not exceed the limits specified in §173.443(a);

(4) The outside of the inner packaging or, if there is no inner packaging, the outside of the packaging itself bears the marking "Radioactive";

(5) The package does not contain fissile material unless excepted by §173.453.

(6) The material is otherwise prepared for shipment as specified in accordance with §173.422.

(b) A limited quantity of Class 7 (radioactive) material that is a hazardous substance or a hazardous waste, is not subject to the provisions in §172.203(d) or §172.204(c)(4) of this subchapter.

[Amdt. 173–244, 60 FR 50307, Sept. 28, 1995, as amended at 69 FR 3675, Jan. 26, 2004; 70 FR 56098, Sept. 23, 2005]

## § 173.422 Additional requirements for excepted packages containing Class 7 (radioactive) materials

An excepted package of Class 7 (radioactive) material that is prepared for shipment under the provisions of §173.421, §173.424, §173.426, or §173.428 is not subject to any additional requirements of this subchapter, except for the following:

(a) The outside of each package must be marked with the four digit UN identification number for the material preceded by the letters UN, as shown in column (4) of the Hazardous Materials Table in §172.101 of this subchapter;

(b) Sections 171.15 and 171.16 of this subchapter, pertaining to the reporting of incidents;

(c) Sections 174.750, 175.700(b), and 176.710 of this subchapter (depending on the mode of transportation), pertaining to the reporting of decontamination;

(d) The training requirements of subpart H of part 172 of this subchapter; and

(e) For materials that meet the definition of a hazardous substance or a hazardous waste, the shipping paper requirements of subpart C of part 172 of this subchapter.

[69 FR 3675, Jan. 26, 2004]

## § 173.423 Requirements for multiple hazard limited quantity Class 7 (radioactive) materials

(a) Except as provided in §173.4, when a limited quantity radioactive material meets the definition of another hazard class or division, it must be—

(1) Classed for the additional hazard;

(2) Packaged to conform with the requirements specified in 173.421(a)(1) through (a)(5) or 173.424(a) through (g), as appropriate; and

(3) Offered for transportation in accordance with the requirements applicable to the hazard for which it is classed.

(b) A limited quantity Class 7 (radioactive) material which is classed other than Class 7 in accordance with this subchapter is excepted from the requirements of §§173.422(a), 172.203(d), and 172.204(c)(4) of this subchapter if the entry "Limited quantity radioactive material" appears on the shipping paper in association with the basic description.

# § 173.424 Excepted packages for radioactive instruments and articles

A radioactive instrument or article and its packaging are excepted from requirements in this subchapter for specification packaging, labeling, marking (except for the UN identification number marking requirement described in §173.422(a)), and if not a hazardous substance or hazardous waste, shipping papers and the requirements of this subpart if:

(a) Each package meets the general design requirements of §173.410;

(b) The activity of the instrument or article does not exceed the relevant limit listed in Table 4 in §173.425;

(c) The total activity per package does not exceed the relevant limit listed in Table 4 in §173.425;

(d) The radiation level at 10 cm (4 in) from any point on the external surface of any unpackaged instrument or article does not exceed 0.1 mSv/hour (10 mrem/hour);

(e) The active material is completely enclosed by non-active components (a device performing the sole function of containing radioactive material shall not be considered to be an instrument or manufactured article);

(f) The radiation level at any point on the external surface of a package bearing the article or instrument does not exceed 0.005 mSv/hour (0.5 mrem/hour), or, for exclusive use domestic shipments, 0.02 mSv/hour (2 mrem/hour);

(g) The nonfixed (removable) radioactive surface contamination on the external surface of the package does not exceed the limits specified in §173.443(a);

(h) Except as provided in §173.426, the package does not contain more than 15 g of uranium-235; and

(i) The package is otherwise prepared for shipment as specified in §173.422

# § 173.453 Fissile materials—exceptions

Fissile materials meeting the requirements of at least one of the paragraphs (a) through (f) of this section are excepted from the requirements of this subpart for fissile materials, including the requirements of §§173.457 and 173.459, but are subject to all other requirements of this subpart, except as noted.

(a) An individual package containing 2 grams or less of fissile material.

(b) An individual or bulk packaging containing 15 grams or less of fissile material provided the package has at least 200 grams of solid nonfissile material for every gram of fissile material. Lead, beryllium, graphite, and hydrogenous material enriched in deuterium may be present in the package but must not be included in determining the required mass for solid nonfissile material.

(c) Low concentrations of solid fissile material commingled with solid nonfissile material, provide that:

(1) There is at least 2000 grams of nonfissile material for every gram of fissile material, and

(2) There is no more than 180 grams of fissile material distributed within 360 kg of contiguous nonfissile material. Lead, beryllium, graphite, and hydrogenous material enriched in deuterium may be present in the package but must not be included in determining the required mass of solid nonfissile material.

(d) Uranium enriched in uranium-235 to a maximum of 1 percent by weight, and with total plutonium and uranium-233 content of up to 1 percent of the mass of uranium-235, provided that the mass of any beryllium, graphite, and hydrogenous material enriched in deuterium constitute less than 5 percent of the uranium mass.

(e) Liquid solutions of uranyl nitrate enriched in uranium-235 to a maximum of 2 percent by mass, with a total plutonium and uranium-233 content not exceeding 0.002 percent of the mass of uranium, and with a minimum nitrogen to uranium atomic ratio (N/U) of 2. The material must be contained in at least a DOT Type A package.

(f) Packages containing, individually, a total plutonium mass of not more than 1000 grams, of which not more than 20 percent by mass may consist of plutonium-239, plutonium-241, or any combination of these radionuclides.

### FedEx Ground Guide for Shipping Hazardous Materials Identification Number-Cross Reference Index

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO.	PROPER SHIPPING NAME	ID NO.	PROPER SHIPPING NAME
NA0027	Black powder for small arms	NA2069	Ammonium nitrate mixed fertilizers
NA0124	Jet perforating guns, charged oil well,	NA2072	Ammonium nitrate fertilizers
	with detonator	NA2212	Asbestos
NA0276	Model rocket motor	NA2448	Sulfur, molten
NA0323	Model rocket motor	NA2742	Isobutyl chloroformate
NA0331	Ammonium nitrate–fuel oil mixture	NA2742	sec-Butyl chloroformate
NA0337	Toy caps	NA2810	Compounds, tree killing, liquid or
NA0494	Jet perforating guns, charged oil well, with detonator	NA2845	Compounds, weed killing, liquid Ethyl phosphonous dichloride,
NA1203	Gasohol		anhydrous
NA1270	Petroleum oil	NA2845	Methyl phosphonous dichloride
NA1325	Fusee	NA2927	Ethyl phosphonothioic dichloride, anhydrous
NA1350	Sulfur	NA2927	Ethyl phosphorodichloridate
NA1361	Charcoal	NA3077	Hazardous waste, solid, n.o.s.
NA1365	Cotton	NA3077	Other regulated substances, solid, n.o.s
NA1556	Methyldichloroarsine	NA3082	Hazardous waste, liquid, n.o.s.
NA1613	Hydrocyanic acid, aqueous solutions	NA3082	Other regulated substances, liquid, n.o
NA1693	Tear gas devices	NA3178	Smokeless powder for small arms
NA1759	Ferrous chloride, solid	NA3334	Self-defence spray, non-pressurized
NA1760	Chemical Kit	NA3356	Oxygen generator, chemical, spent
NA1760	Compounds, cleaning liquid	NA9035	Gas identification set
NA1760	<b>Compounds, tree killing, liquid</b> <i>or</i>	NA9191	Chlorine dioxide, hydrate, frozen
NA1760	Compounds, weed killing, liquid Ferrous chloride, solution	NA9202	Carbon monoxide, refrigerated liquid
NA1700 NA1911	Diborane mixtures	NA9206	Methyl phosphonic dichloride
NA1954	Refrigerant gases, n.o.s. or	NA9260	Aluminum, molten
1111/01	Dispersant gases, n.o.s.	NA9263	Chloropivaloyl chloride
NA1955	Organic phosphate, mixed with	NA9264	3,5–Dichloro–2,4,6–trifluoropyridine
	compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	NA9269	Trimethoxysilane
NA1961	Ethane Propane mixture, refrigerated liquid		
NIA 1077			

- Parathion and compressed gas mixture NA1967
- NA1993 Combustible liquid, n.o.s.
- Compounds, cleaning liquid NA1993
- **Compounds, tree killing, liquid** or NA1993 Compounds, weed killing liquid
- NA1993 Diesel fuel
- NA1993 Fuel oil
- NA1999 Asphalt

#### ID NO DDODED CHIDDING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

#### **ID NO. PROPER SHIPPING NAME UN0004** Ammonium picrate UN0072 Cyclotrimethylenetrinitramine, wetted or **UN0005** Cartridges for weapons Cyclonite, wetted or Hexogen, wetted or RDX, **UN0006** Cartridges for weapons wetted **UN0007** Cartridges for weapons **UN0073** Detonators for ammunition **UN0009** Ammunition, incendiary UN0074 Diazodinitrophenol, wetted UN0010 Ammunition, incendiary UN0075 Diethyleneglycol dinitrate, desensitized UN0012 Cartridges for weapons, inert projectile **UN0076** Dinitrophenol or Cartridges, small arms **UN0077** Dinitrophenolates UN0014 Cartridges for weapons, blank or **UN0078** Dinitroresorcinol Carttridges, small arms blank UN0079 Hexanitrodiphenylamine or Dipicrylamine or **UN0015** Ammunition, smoke Hexyl UN0016 Ammunition, smoke UN0081 Explosive, blasting, type A UN0082 Explosive, blasting, type B **UN0018** Ammunition, tear-producing UN0083 Explosive, blasting, type C UN0019 Ammunition, tear-producing UN0020 Ammunition, toxic UN0084 Explosive, blasting, type D UN0092 Flares, surface **UN0021** Ammunition, toxic UN0093 Flares, aerial UN0027 Black powder or Gunpowder UN0094 Flash powder UN0028 Black powder, compressed or Gunpowder compressed or Black powder, in pellets on **UN0099** Fracturing devices, explosive Gunpowder, in pellets UN0101 Fuse, non-detonating UN0102 Cord detonating or Fuse detonating **UN0029** Detonators, non-electric UN0103 Fuse, igniter **UN0030** Detonators, electric UN0033 UN0104 Bombs Cord, detonating, mild effect or Fuse, UN0034 Bombs detonating, mild effect UN0035 Bombs UN0105 Fuse, safety UN0106 Fuzes, detonating UN0037 Bombs, photo-flash UN0038 UN0107 Fuzes, detonating Bombs, photo-flash UN0039 Bombs, photo-flash **UN0110** Grenades, practice **UN0042 Boosters** UN0113 Guanyl nitrosaminoguanylidene hydrazine, **UN0043 Bursters** wetted **UN0044** Primers, cap type UN0114 Guanyl nitrosaminoguanylidene hydrazine, **UN0048** Charges, demolition wetted or Tetrazene, wetted UN0118 Hexolite, or Hexotol UN0049 Cartridges, flash UN0050 Cartridges, flash **UN0121** Igniters UN0054 Cartridges, signal UN0124 Jet perforating guns, charged UN0055 Cases, cartridge, empty with primer UN0129 Lead azide, wetted UN0130 Lead styphnate, wetted or Lead **UN0056** Charges, depth trinitroresorcinate, wetted **UN0059** Charges, shaped UN0060 Charges, supplementary explosive UN0131 Lighters, fuse UN0065 Cord, detonating **UN0132** Deflagrating metal salts of aromatic UN0066 Cord, igniter nitroderivatives, n.o.s UN0070 Cutters, cable, explosive UN0133 Mannitol hexanitrate, wetted or Nitromannite, wetted UN0135 Mercury fulminate, wetted

### ID NO. PROPER SHIPPING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN0136	Mines	UN0213	Trinitroanisole
UN0137	Mines	UN0214	Trinitrobenzene
UN0138	Mines	UN0215	Trinitrobenzoic acid
UN0143	Nitroglycerin, desensitized	UN0216	Trinitro-meta-cresol
	Nitroglycerin, solution in alcohol		Trinitronaphthalene
	Nitrostarch	UN0218	Trinitrophenetole
UN0147	Nitro urea	UN0219	Trinitroresorcinol or Styphnic acid
	Pentaerythrite tetranitrate, wetted or	UN0220	Urea nitrate
	Pentaerythritol tetranitrate, wetted, or	UN0221	Warheads, torpedo
	PETN, wetted or Pentaerythrite	UN0222	Ammonium nitrate
	tetranitrate, or Pentaerythritol	UN0224	Barium azide
	tetranitrate or PETN, desensitized		Boosters with detonator
UN0151	Pentolite		Cyclotetramethylenetetranitramine, wetted or
UN0153	Trinitroaniline or Picramide		HMX, wetted or Octogen, wetted
UN0154	Trinitrophenol or Picric acid	UN0234	Sodium dinitro-o-cresolate
UN0155	Trinitrochlorobenzene or Picryl chloride	UN0235	Sodium picramate
UN0159	Powder cake, wetted or Powder paste,	UN0236	Zirconium picramate
	wetted	UN0237	Charges, shaped, flexible, linear
	Powder, smokeless		Rockets, line-throwing
	Powder, smokeless	UN0240	Rockets, line-throwing
	Projectiles	UN0241	Explosive, blasting, type E
	Projectiles		Charges, propelling, for cannon
	Projectiles	UN0243	Ammunition, incendiary, white phosphorus
	Ammunition, illuminating	UN0244	Ammunition, incendiary, white phosphorus
	Release devices, explosive	UN0245	Ammunition smoke, white phosphorus
UN0174	Rivets, explosive	UN0246	Ammunition smoke, white phosphorus
	Rockets	UN0247	Ammunition, incendiary
	Rockets	UN0248	Contrivances, water-activated
	Rockets	UN0249	Contrivances, water-activated
	Rockets	UN0250	Rocket motors with hypergolic liquids
	Rocket motors	UN0254	Ammunition, illuminating
	Samples, explosive	UN0255	Detonators, electric
	Signal devices, hand		Fuzes, detonating
	Signals, railway track, explosive		Octolite or Octol
UN0193	Signals, railway track, explosive	UN0267	Detonators, non-electric
	Signals, distress		Boosters with detonator
	Signals, distress	UN0271	Charges, propelling
UN0196	Signals, smoke		Charges, propelling
UN0197	Signals, smoke		Cartridges, power device
	······································	UN0276	
	Tetranitroaniline	UN0277	S / I
UN0208	Trinitrophenylmethylnitramine or	UN0278	
	Tetryl	UN0279	Charges, propelling, for cannon
	Trinitrotoluene or TNT	UN0280	Rocket motors
UN0212	Tracers for ammunition		

ID NO. PROPER SHIPPING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

**ID NO. PROPER SHIPPING NAME** 

	. FROPER SHIPPING NAME	ID INC	<b>D. FRUPER SHIPPING NAME</b>
UN0281	Rocket motors	UN0331	Explosive, blasting, type B or Agent blasting
UN0282	Nitroguanidine or Picrite		Туре В
UN0283	Boosters	UN0332	Explosive, blasting, type E or Agent blasting
UN0284	Grenades		Type E
UN0285	Grenades	UN0333	Fireworks
UN0286	Warheads, rocket	UN0334	Fireworks
	Warheads, rocket	UN0335	Fireworks
	Charges, shaped, flexible, linear		Fireworks
	Cord, detonating	UN0337	Fireworks
	Cord detonating or Fuse detonating		Cartridges for weapons, blank or Carttridg
	Bombs		small arms blank
UN0292		UN0339	Cartridges for weapons, inert projectile or
UN0293	Grenades		Cartridges, small arms
UN0294		UN0340	Nitrocellulose
UN0295	Rockets	UN0341	Nitrocellulose
UN0296	Sounding devices, explosive		Nitrocellulose, wetted
UN0297	Ammunition, illuminating		Nitrocellulose, plasticized
UN0299	Bombs, photo-flash		Projectiles
UN0300	Ammunition, incendiary		Projectiles
UN0301	Ammunition, tear-producing		Projectiles
	Ammunition, smoke		Projectiles
	Flash powder		Cartridges for weapons
	Tracers for ammunition		Articles, explosive, n.o.s.
	Cartridges, signal		Articles, explosive, n.o.s.
	Signals, smoke		Articles, explosive, n.o.s.
	Igniters		Articles, explosive, n.o.s.
	Igniters		Articles, explosive, n.o.s.
	Fuzes, igniting		Articles, explosive, n.o.s.
	Fuzes, igniting		Articles, explosive, n.o.s.
	Grenades, practice		Articles, explosive, n.o.s.
	Primers, tubular	UN0357	
	Primers, tubular	UN0358	······································
	Cartridges for weapons	UN0359	······································
	Rocket motors with hypergolic liquids		Detonator assemblies, non-electric
	Cartridges, power device		Detonator assemblies, non-electric
	Projectiles		Ammunition, practice
	Igniters		Ammunition, proof
UN0326	Cartridges for weapons, blank	UN0364	Detonators for ammunition
UN0327	Cartridges for weapons, blank or	UN0365	Detonators for ammunition
	Cartridges, small arms blank	UN0366	Detonators for ammunition
UN0328	Cartridges for weapons, inert projectile	UN0367	Fuzes, detonating
UN0329	Torpedoes	UN0368	Fuzes, igniting
UN0330	Torpedoes		Warheads, rocket
	- r r uovo		Warheads, rocket

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. I KUI EK SIIII I ING NAME	ID NC	<b>J. I KOI EK SIIII I ING NAME</b>
UN0371	Warheads, rocket	UN0406	Dinitrosobenzene
UN0372	Grenades, practice	UN0407	Tetrazol-1-acetic acid
UN0373	Signal devices, hand	UN0408	Fuzes, detonating
UN0374	Sounding devices, explosive		Fuzes, detonating
UN0375	Sounding devices, explosive	UN0410	Fuzes, detonating
UN0376	Primers, tubular	UN0411	Pentaerythrite tetranitrate or Pentaerythrito
	Primers, cap type		tetranitrate or PETN
	Primers, cap type	UN0412	Cartridges for weapons
	Cases, cartridges, empty with primer		Cartridges for weapons, blank
UN0380	Articles, pyrophoric		Charges, propelling, for cannon
UN0381	Cartridges, power device		Charges, propelling
	Components, explosive train, n.o.s.		Cartridges for weapons, inert projectile or
UN0383			Cartridges, small arms
UN0384	Components, explosive train, n.o.s.	UN0418	Flares, surface
UN0385	5-Nitrobenzotriazol	UN0419	Flares, surface
UN0386	Trinitrobenzenesulfonic acid		Flares, aerial
UN0387	Trinitrofluorenone		Flares, aerial
UN0388	Trinitrotoluene and Trinitrobenzene		Projectiles
	mixtures or TNT and trinitrobenzene		Projectiles
	mixtures or TNT and hexanitrostilbene		Projectiles
	mixtures or Trinitrotoluene and		Projectiles
	hexanitrostilene mixtures		Articles, pyrotechnic
UN0389	Trinitrotoluene mixtures containing		Articles, pyrotechnic
	Trinitrobenzene and Hexanitrostilbene or		Articles, pyrotechnic
	mixtures containing trinitrobenzene and	UN0431	Articles, pyrotechnic
	hexanitrostilbene		Articles, pyrotechnic
UN0390	Tritonal		Powder cake, wetted or Powder paste, wetted
UN0391	RDX and HMX mixtures, wetted or RDX		
	HMX mixtures, desensitized	UN0435	Projectiles
UN0392	Hexanitrostilbene		Rockets
UN0393	Hexotonal	UN0437	Rockets
UN0394	Trinitroresorcinol, wetted or Styphnic	UN0438	Rockets
	acid	UN0439	Charges, shaped
	Rocket motors, liquid fueled		Charges, shaped
	Rocket motors, liquid fueled		Charges, shaped
UN0397	Rockets, liquid fueled	UN0442	Charges, explosive, commercial
UN0398	Rockets, liquid fueled		Charges, explosive, commercial
UN0399	Bombs with flammable liquid	UN0444	Charges, explosive, commercial
UN0400	Bombs with flammable liquid	UN0445	
UN0401	Dipicryl sulfide	UN0446	Cases, combustible, empty, without primer
		UN0447	
UN0402	Ammonium perchlorate	0110117	Cases, combustible, empty, without primer
UN0402 UN0403	Ammonium perchlorate Flares, aerial	UN0448	5-Mercaptotetrazol-1-acetic acid
	•		

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	D. PROPER SHIPPING NAME
UN0451	Torpedoes	UN0489	Dinitroglycoluril or Dingu
	Grenades, practice		Nitrotriazolone or NTO
	Rockets, line-throwing		Charges, propelling
	Igniters		Signals, railway track, explosive
	Detonators, non-electric		Signals, railway track, explosive
	Detonators, electric		Jet perforating guns, charged
UN0457	Charges, bursting, plastics bonded		Propellant, liquid
UN0458	Charges, bursting, plastics bonded	UN0496	
UN0459	Charges, bursting, plastics bonded	UN0497	Propellant, liquid
UN0460	Charges, bursting, plastics bonded		Propellant, solid
UN0461	Components, explosive train, n.o.s.		Propellant, solid
UN0462	Articles, explosive, n.o.s.		Detonator assemblies, non-electric
UN0463	Articles, explosive, n.o.s.		Propellant, solid
UN0464	Articles, explosive, n.o.s.	UN0502	Rockets
UN0465	Articles, explosive, n.o.s.	UN0503	Air bag inflators or Air bag modules or Seat-
UN0466	Articles, explosive, n.o.s.		belt pretensioner
UN0467	Articles, explosive, n.o.s.	UN0504	1H-Tetrazole
UN0468	Articles, explosive, n.o.s.	UN1001	Acetylene, dissolved
UN0469	Articles, explosive, n.o.s.		Air, compressed
UN0470	Articles, explosive, n.o.s.		Air, refrigerated liquid
UN0471	Articles, explosive, n.o.s.		Air, refrigerated liquid
UN0472	Articles, explosive, n.o.s.		Ammonia, anhydrous
UN0473	Substances, explosive, n.o.s.		Argon, compressed
UN0474	Substances, explosive, n.o.s.		Boron trifluoride, compressed
UN0475	Substances, explosive, n.o.s.	UN1009	Bromotrifluoromethane or Refrigerant gas, R
UN0476	Substances, explosive, n.o.s.		13B1
UN0477	Substances, explosive, n.o.s.	UN1010	Butadienes, stabilized
UN0478	Substances, explosive, n.o.s.		Butane
UN0479	Substances, explosive, n.o.s.		Butylene
UN0480	Substances, explosive, n.o.s.		Carbon dioxide
UN0481	Substances, explosive, n.o.s.	UN1014	
UN0482	Substances, explosive, very insensitive,		mixtures,compressed
	n.o.s. or Substances, EVI n.o.s.		Carbon dioxide and nitrous oxide mixtures
UN0483	Cyclotrimethylenetrinitramine,		Carbon monoxide, compressed
	desensitized or Cyclonite, desensitized or		Chlorine
	Hexogen, desensitized or RDX,	UN1018	Chlorodifluoromethane or Refrigerant gas R 22
UN0484	desensitized Cyclotetramethylenetetranitramine,	101000	
0110101	desensitized or Octogen, desensitized or	UN1020	emotopentania of occurre gus it
	HMX, desensitized	1011021	115
UN0485	Substances, explosive, n.o.s.	UN1021	1-Chloro-1,2,2,2-tetrafluoroethane or
UN0485	Articles, explosive, extremely insensitive	TINIAGO	Regrigerant gas R 124
21.0100	or Articles, EEI	UN1022	Chlorotrifluoromethane <i>or</i> Refrigerant gas R
UN0487	Signals, smoke	INIAAA	13
UN0487 UN0488	Ammunition, practice	UN1023	Coal gas, compressed
0110400	Ammunition, practice	I	

### ID NO PROPER SHIPPING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO.	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN1026	Cyanogen	UN1071	Oil gas, compressed
	Cyclopropane		Oxygen, compressed
	Dichlorodifluoromethane or Refrigerant		Oxygen, refrigerated liquid
	gas R 12		Petroleum gases, liquefied or Liquefied
UN1029	Dichlorofluoromethane or Refrigerant		petroleum gas
	gas R21	UN1076	Phosgene
UN1030	1,1-Difluoroethane or Refrigerant gas		Propylene
	R 152a	UN1078	Refrigerant gases, n.o.s.
UN1032	Dimethylamine, anhydrous	UN1079	
UN1033	Dimethyl ether	UN1080	Sulfur hexafluoride
UN1035	Ethane	UN1081	Tetrafluoroethylene, stabilized
UN1036	Ethylamine	UN1082	Trifluorochloroethylene, stabilized
	Ethyl chloride		Trimethylamine, anhydrous
	Ethylene, refrigerated liquid		Vinyl bromide, stabilized
	Ethyl methyl ether		Vinyl chloride, stabilized
UN1040	Ethylene oxide or Ethylene oxide with	UN1087	Vinyl methyl ether, stabilized
	nitrogen	UN1088	
UN1041	Ethylene oxide and carbon dioxide	UN1089	
	mixtures		Acetone
	Fertilizer ammoniating solution		Acetone oils
	Fire extinguishers		Acrolein, stabilized
	Fluorine, compressed		Acrylonitrile, stabilized
	Helium, compressed		Allyl alcohol
	Hydrogen bromide, anhydrous	UN1099	
	Hydrogen, compressed	UN1100	Allyl chloride
	Hydrogen chloride, anhydrous	UN1104	Amyl acetates
	Hydrogen cyanide, stabilized		Pentanols
	Hydrogen fluoride, anhydrous	UN1106	· j · · · · · · · · · · · · · · ·
	Hydrogen sulfide Isobutylene	UN1107	Amyl chlorides
	Krypton, compressed		1-Pentene
	Lighters or Lighter refills		Amyl formates
	Liquefied gases		n-Amyl methyl ketone
UN1060			Amyl mercaptans
0111000	mixtures, stabilized		Amyl nitrate
UN1061	· · · · · · · · · · · · · · · · · · ·	UN1113 UN1114	Amyl nitrites
UN1062	Methyl bromide		Benzene Butanols
UN1063	Methyl chloride <i>or</i> Refrigerant gas R 40		Butyl acetates
UN1064	Methyl mercaptan		n-Butylamine
	Neon, compressed	UN1126	1-Bromobutane
	Nitrogen, compressed	UN1120 UN1127	Chlorobutanes
	Dinitrogen tetroxide	UN1127	n-Butyl formate
UN1069	Nitrosyl chloride	UN1120 UN1129	Butyraldehyde
UN1070	Nitrous oxide	UN1129	Camphor oil
		011100	

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN1131	Carbon disulfide	UN1183	Ethyldichlorosilane
UN1133	Adhesives	UN1184	Ethylene dichloride
UN1134	Chlorobenzene		Ethyleneimine, stabilized
UN1135	Ethylene chlorohydrin		Ethylene glycol monomethyl ether
	Coal tar distillates, flammable		Ethylene glycol monomethyl ether acetate
	Coating solution		Ethyl formate
	Crotonaldehyde, stabilized		Octyl aldehydes
	Crotonylene		Ethyl lactate
	Cyclohexane		Ethyl methyl ketone <i>or</i> Methyl ethyl ketone
	Cyclopentane	UN1194	
	Decahydronaphthalene	UN1195	Ethyl propionate
	Diacetone alcohol		Ethyltrichlorosilane
	Dibutyl ethers		Extracts, flavoring, liquid
	1,2-Dichloroethylene		Formaldehyde, solutions, flammable
	Dichloropentanes		Furaldehydes
	Ethylene glycol diethyl ether		Fusel oil
	Diethylamine		Diesel fuel
	Diethyl ether or Ethyl ether		Gas oil
	Diethyl ketone		Heating oil, light
	Diisobutyl ketone		Gasoline
	Diisopropylamine		Nitroglycerin solution in alcohol
	Diisopropyl ether		Heptanes
	Dimethylamine solution		Hexaldehyde
UN1161	Dimethyl carbonate	UN1208	Hexanes
UN1162	Dimethyldichlorosilane	UN1210	Printing ink or Printing ink related material
UN1163	Dimethylhydrazine, unsymmetrical	UN1212	Isobutanol or Isobutyl alcohol
	Dimethyl sulfide		Isobutyl acetate
	Dioxane	UN1214	Isobutylamine
UN1166	Dioxolane	UN1216	Isooctenes
	Divinyl ether, stabilized		Isoprene, stabilized
UN1169	Extracts, aromatic, liquid		Isopropanol or Isopropyl alcohol
UN1170	Ethanol or Ethyl alcohol or Ethanol		Isopropyl acetate
	solutions or Ethyl alcohol solutions		Isopropylamine
	Ethylene glycol monoethyl ether	UN1222	Isopropyl nitrate
	Ethylene glycol monoethyl ether acetate		Kerosene
UN1173	Ethyl acetate		Ketones, liquid, n.o.s.
	Ethylbenzene	UN1228	mer captans, nquita, naminable, toxic, nois. or
	Ethyl borate		Mercaptan mixtures, liquid, flammable, toxic,
	2-Ethylbutyl acetate		n.o.s.
	2-Ethylbutyraldehyde	UN1229	Mesityl oxide
	Ethyl butyl ether	UN1230	
UN1180	Ethyl butyrate	UN1231	
UN1181	Ethyl chloroacetate	UN1233	
UN1182	Ethyl chloroformate	UN1234	Methylal

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

	. PROPER SHIPPING NAME		<b>D. PROPER SHIPPING NAME</b>
UN1235	interny induced as solution		Trimethylamine, aqueous solutions
UN1237	Methyl butyrate		Trimethylchlorosilane
UN1238	Methyl chloroformate	UN1299	Turpentine
	Methyl chloromethyl ether		Turpentine substitute
UN1242	Methyldichlorosilane	UN1301	Vinyl acetate, stabilized
UN1243	Methyl formate	UN1302	Vinyl ethyl ether, stabilized
UN1244	Methylhydrazine	UN1303	Vinylidene chloride, stabilized
UN1245	Methyl isobutyl ketone	UN1304	Vinyl isobutyl ether, stabilized
UN1246	Methyl isopropenyl ketone, stabilized	UN1305	Vinyltrichlorosilane, stabilized
UN1247	Methyl methacrylate monomer, stabilized		Wood preservatives, liquid
UN1248	Methyl propionate	UN1307	Xylenes
UN1249	Methyl propyl ketone	UN1308	Zirconium suspended in a liquid
UN1250	Methyltrichlorosilane	UN1309	Aluminum powder, coated
UN1251	Methyl vinyl ketone, stabilized	UN1310	Ammonium picrate, wetted
	Nickel carbonyl		Borneol
UN1261	Nitromethane	UN1313	Calcium resinate
UN1262	Octanes	UN1314	Calcium resinate, fused
UN1263	Paint	UN1318	Cobalt resinate, precipitated
UN1263	Paint related material	UN1320	Dinitrophenol, wetted
UN1264	Paraldehyde		Dinitrophenolates, wetted
	Pentanes		Dinitroresorcinol, wetted
UN1266	Perfumery products	UN1323	Ferrocerium
UN1267	Petroleum crude oil	UN1324	Films, nitrocellulose base
UN1268	Petroleum distillates, n.o.s. or Petroleum		Flammable solids, organic, n.o.s.
	products, n.o.s.		Hafnium powder, wetted
UN1272	Pine oil	UN1328	Hexamethylenetetramine
UN1274	n-Propanol or Propyl alcohol, normal	UN1330	Manganese resinate
UN1275	Propionaldehyde	UN1331	Matches, strike anywhere
UN1276	n-Propyl acetate	UN1332	Metaldehyde
UN1277	Propylamine	UN1333	Cerium
UN1278	1-Chloropropane	UN1334	Naphthalene, crude or Naphthalene
UN1279	1,2-Dichloropropane	UN1336	Nitroguanidine, wetted or Picrite, wetted
UN1280	Propylene oxide	UN1337	Nitrostarch, wetted
UN1281	Propyl formates	UN1338	Phosphorus, amorphous
UN1282	Pyridine		Phosphorus heptasulfide
UN1286	Rosin oil	UN1340	Phosphorus pentasulfide
UN1287	Rubber solution		Phosphorus sesquisulfide
UN1288	Shale oil		Phosphorus trisulfide
UN1289	Sodium methylate solutions		Trinitrophenol, wetted
UN1292	Tetraethyl silicate		Rubber scrap or Shoddy
UN1293	Tinctures, medicinal		Silicon powder, amorphous
UN1294	Toluene	UN1347	
UN1295	Trichlorosilane	UN1348	Sodium dinitro-o-cresolate, wetted
UN1296	Triethylamine	UN1349	
	v		L , · · · · ·

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	D. PROPER SHIPPING NAME
UN1350	Sulfur	UN1391	Alkali metal dispersions, or Alkaline earth
UN1352	Titanium powder, wetted		metal dispersions
	Fibers or Fabrics impregnated with weak	UN1392	Alkaline earth metal amalgams, liquid
	nitrated nitrocellulose, n.o.s.		Alkaline earth metal alloys, n.o.s.
UN1354	Trinitrobenzene, wetted		Aluminum carbide
	Trinitrobenzoic acid, wetted		Aluminum ferrosilicon powder
	Trinitrotoluene, wetted		Aluminum powder, uncoated
	Urea nitrate, wetted		Aluminum phosphide
	Zirconium powder, wetted		Aluminum silicon powder, uncoated
	Calcium phosphide		Barium
	Carbon		Calcium
	Carbon, activated		Calcium carbide
UN1363			Calcium cyanamide
	Cotton waste, oily		Calcium hydride
	Cotton, wet		Calcium silicide
	Diethylzinc		Cesium or Caesium
UN1369	•		Ferrosilicon
	Dimethylzinc		Metal hydrides, water reactive, n.o.s.
	Fibers, animal <i>or</i> Fibers, vegetable		Lithium aluminum hydride
	Fibers or Fabrics, animal or vegetable or		Lithium aluminum hydride, ethereal
0111070	Synthentic, n.o.s.		Lithium borohydride
UN1374	Fish meal, unstablized <i>or</i> Fish scrap,		Lithium hydride
0111071	unstablilized		Lithium
UN1376	Iron oxide, spent, <i>or</i> Iron sponge, spent		Lithium silicon
	Metal catalyst, wetted		Magnesium, powder or Magnesium alloys,
	Paper, unsaturated oil treated		powder
	Pentaborane	UN1419	Magnesium aluminum phosphide
	Phosphorus, white dry <i>or</i> Phosphorus,		Potassium, metal alloys, liquid
	white, under water <i>or</i> Phosphorus white,		
	solution or Phosphorus, yellow dry or		Potassium sodium alloys, liquid
	Phosphorus, yellow, under water or		Rubidium
	Phosphorus, yellow, in solution		Sodium borohydride
UN1382	Potassium sulfide, anhydrous or		Sodium hydride
0111002	Potassium sulfide	UN1428	•
UN1383	Pyrophoric metals, n.o.s. <i>or</i> Pyrophoric		Sodium methylate
0111000	alloys, n.o.s.	UN1432	-
UN1384	Sodium dithionite <i>or</i> Sodium hydrosulfite		Stannic phosphide
UN1385	•		Zinc ashes
01.1000	sulfide		Zinc powder or Zinc dust
UN1386	Seed cake		Zirconium hydride
	Wool waste, wet	UN1438	Aluminum nitrate
UN1389	Alkali metal amalgam, liquid	UN1439	Ammonium dichromate
UN1390	Alkali metal amides		Ammonium perchlorate
		UN1444	Ammonium per culor acc
			i sinnonium per sunate

### **ID NO. PROPER SHIPPING NAME**

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN1445	Barium chlorate, solid	UN1491	Potassium peroxide
	Barium nitrate		Potassium persulfate
UN1447	Barium perchlorate, solid		Silver nitrate
	Barium permanganate	UN1494	Sodium bromate
	Barium peroxide		Sodium chlorate
	Bromates, inorganic, n.o.s.	UN1496	Sodium chlorite
	Cesium nitrate or Caesium nitrate	UN1498	Sodium nitrate
	Calcium chlorate		Sodium nitrate and potassium nitrate mixtures
	Calcium chlorite		
	Calcium nitrate	UN1500	Sodium nitrite
	Calcium perchlorate		Sodium perchlorate
	Calcium permanganate		Sodium permanganate
	Calcium peroxide		Sodium peroxide
	Chlorate and borate mixtures		Sodium persulfate
	Chlorate and magnesium chloride		Strontium chlorate
	mixtures, solid		Strontium nitrate
UN1461	Chlorates, inorganic, n.o.s.		Strontium perchlorate
	Chlorites, inorganic, n.o.s.		Strontium peroxide
	Chromium trioxide, anhydrous		Tetranitromethane
	Didymium nitrate		Urea hydrogen peroxide
	Ferric nitrate		Zinc ammonium nitrite
	Guanidine nitrate		Zinc animonium intrite Zinc chlorate
	Lead nitrate		Zinc nitrate
	Lead perchlorate, solid		Zinc permanganate
	Lithium hypochlorite, dry <i>or</i> Lithium		Zinc peroxide
	hypochlorite mixtures, dry		Zirconium picramate, wetted
UN1472	Lithium peroxide		Acetone cyanohydrin, stabilized
	Magnesium bromate		Alkaloids, solid, n.o.s. or Alkaloid salts, solid,
	Magnesium nitrate		n.o.s.
	Magnesium perchlorate	UN1545	Allyl isothiocyanate, stabilized
	Magnesium percentrate		Ammonium arsenate
	Nitrates, inorganic, n.o.s.		Aniline
	Oxidizing solid, n.o.s.		Aniline hydrochloride
	Perchlorates, inorganic, n.o.s.		Antimony compounds, inorganic, solid, n.o.s.
	Permanganates, inorganic, n.o.s.		Antimony compounds, morganic, sond, n.o.s.
	Peroxides, inorganic, n.o.s.	UN1550	Antimony lactate
	Potassium bromate		Antimony potassium tartrate
	Potassium chlorate		Arsenic acid, liquid
	Potassium nitrate		Arsenic acid, solid
	Potassium nitrate and sodium nitrite	UN1555	Arsenic bromide
0.1110/	mixtures	UN1556	Arsenic compounds, liquid, n.o.s.
UN1488	Potassium nitrite	UN1557	Arsenic compounds, solid, n.o.s.
	Potassium nerrite Potassium perchlorate	UN1558	Arsenic
	Potassium permanganate	UN1559	Arsenic pentoxide
0.11100	i otassium primanganate		in seme pentoniae

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

#### ID NO. PROPER SHIPPING NAME **ID NO. PROPER SHIPPING NAME** UN1560 Arsenic trichloride UN1606 Ferric arsenate UN1561 Arsenic trioxide UN1607 Ferric arsenite UN1562 Arsenical dust **UN1608** Ferrous arsenate UN1564 Barium compounds, n.o.s. **UN1611** Hexaethyl tetraphosphate UN1565 Barium cyanide UN1612 Hexaethyl tetraphosphate and compressed gas UN1566 Beryllium compounds, n.o.s. mixtures UN1567 Beryllium, powder UN1613 Hydrocyanic acid, aqueous solutions or **UN1569 Bromoacetone** hydrogen cyanide, aqueous solutions UN1570 Brucine UN1614 Hydrogen cyanide, stabilized UN1616 Lead acetate UN1571 Barium azide, wetted UN1617 Lead arsenates UN1572 Cacodylic acid UN1618 Lead arsenites UN1573 Calcium arsenate UN1574 Calcium arsenate and calcium arsenite, UN1620 Lead cyanide UN1621 London purple mixtures, solid UN1622 Magnesium arsenate UN1575 Calcium cyanide UN1623 Mercuric arsenate UN1577 Chlorodinitrobenzenes, liquid UN1624 Mercuric chloride UN1578 Chloronitrobenzene, solid UN1625 Mercuric nitrate UN1579 4-Chloro-o-toluidine hydrochloride, solid **UN1580** Chloropicrin UN1626 Mercuric potassium cyanide UN1581 Chloropicrin and methyl bromide **UN1627** Mercurous nitrate mixtures **UN1629** Mercury acetate UN1582 Chloropicrin and methyl chloride UN1630 Mercury ammonium chloride mixtures UN1631 Mercury benzoate UN1583 Chloropicrin mixtures, n.o.s. UN1634 Mercury bromides **UN1585** Copper acetoarsenite UN1636 Mercury cyanide UN1586 Copper arsenite UN1637 Mercury gluconate UN1587 Copper cyanide UN1638 Mercury iodide UN1588 Cyanides, inorganic, solid, n.o.s. UN1639 Mercury nucleate UN1589 Cyanogen chloride, stabilized UN1640 Mercury oleate UN1590 Dichloroanilines, liquid UN1641 Mercury oxide UN1591 o-Dichlorobenzene UN1642 Mercury oxycyanide, desensitized **UN1593** Dichloromethane UN1643 Mercury potassium iodide UN1594 Diethyl sulfate UN1644 Mercury salicylate UN1595 Dimethyl sulfate **UN1645** Mercury sulfates **UN1596** Dinitroanilines UN1646 Mercury thiocyanate UN1597 Dinitrobenzenes, liquid UN1647 Methyl bromide and ethylene dibromide UN1598 Dinitro-o-cresol mixtures, liquid **UN1599** Dinitrophenol solutions UN1648 Acetonitrile **UN1600** Dinitrotoluenes, molten UN1649 Motor fuel anti-knock mixtures UN1601 Disinfectants, solid, toxic, n.o.s. UN1650 beta-Naphthylamine UN1602 Dyes, liquid, toxic, n.o.s. or Dye UN1650 beta-Naphthylamine, solid intermediates, liquid, toxic, n.o.s. UN1651 Naphthylthiourea **UN1603** Ethyl bromoacetate UN1652 Naphthylurea **UN1604** Ethylenediamine UN1653 Nickel cyanide UN1605 Ethylene dibromide

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

UN1654	Nicotine	UN1708	Toluidines , liquid
UN1655	Nicotine compounds, solid, n.o.s. or	UN1709	2,4-Toluylenediamine, solid or 2,4-
	Nicotine preparations, solid, n.o.s.		Toluenediamine, solid
UN1656	Nicotine hydrochloride liquid <i>or</i> solution	UN1710	Trichloroethylene
UN1657	Nicotine salicylate		Xylidines, liquid
	Nicotine sulfate solution		Zinc arsenate or Zinc arsenite or Zinc arsen
UN1659	Nicotine tartrate		and zinc arsenite mixtures
UN1660	Nitric oxide, compressed	UN1713	Zinc cyanide
	Nitroanilines (o-; m-; p-;)		Zinc phosphide
	Nitrobenzene	UN1715	Acetic anhydride
UN1663	Nitrophenols (o-; m-; p-;)		Acetyl bromide
	Nitrotoluenes, liquid		Acetyl chloride
	Nitroxylenes, liquid		Butyl acid phosphate
	Pentachloroethane		Caustic alkali liquids, n.o.s.
	Perchloromethyl mercaptan		Allyl chloroformate
	Phenol, solid		Allyl iodide
	Phenylcarbylamine chloride		Allyltrichlorosilane, stabilized
	Phenylenediamines (o-; m-; p-;)		Aluminum bromide, anhydrous
	Phenylmercuric acetate		Aluminum chloride, anhydrous
	Potassium arsenate		Ammonium hydrogendifluoride, solid
	Potassium arsenite		Amyltrichlorosilane
	Potassium cuprocyanide		Anisoyl chloride
	Potassium cyanide, solid		Antimony pentachloride, liquid
	Silver arsenite		Antimony pentachloride, solutions
	Silver cyanide		Antimony pentafluoride
	Sodium arsenate		Antimony trichloride, liquid
	Sodium arsenite, aqueous solutions		Antimony trichloride, solid
	-		Benzoyl chloride
UN1688			Benzyl bromide
UN1689	Sodium cyanide, solid		Benzyl chloride
UN1690	Sodium fluoride, solid		Benzyl chloroformate
UN1691	Strontium arsenite		Hydrogendifluorides, n.o.s.
UN1692			Boron trichloride
	Tear gas substances, liquid, n.o.s.		Boron trifluoride acetic acid complex, liquid
	Bromobenzyl cyanides, liquid		boron trinuoriue accue aciu comprex, iquit
	Chloroacetone, stabilized	UN1743	Boron trifluoride propionic acid complex,
UN1697	Chloroacetophenone, solid (CN)		liquid
UN1698	Diphenylamine chloroarsine	UN1744	Bromine or Bromine solutions
UN1699	Diphenylchloroarsine, liquid		Bromine pentafluoride
UN1700	Tear gas candles		Bromine pentanuoride
	Xylyl bromide, liquid		Butyltrichlorosilane
	1, 1, 2, 2-Tetrachloroethane	UN1748	Calcium hypochlorite, dry <i>or</i> Calcium
UN1704	Tetraethyl dithiopyrophosphate	21,2710	hypochlorite mixtures dry
UN1707	Thallium compounds, n.o.s.	UN1749	Chlorine trifluoride

ID NO. PROPER SHIPPING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO. PROPER SHIPPING NAME

#### UN1750 Chloroacetic acid, solution **UN1796** Nitrating acid mixtures UN1798 UN1751 Chloroacetic acid, solid Nitrohydrochloric acid UN1752 Chloroacetyl chloride UN1799 Nonyltrichlorosilane UN1753 Chlorophenyltrichlorosilane **UN1800** Octadecyltrichlorosilane **UN1754** Chlorosulfonic acid UN1801 Octyltrichlorosilane **UN1755** Chromic acid solution **UN1802** Perchloric acid UN1756 Chromic fluoride, solid UN1803 Phenolsulfonic acid, liquid **UN1804** Phenyltrichlorosilane UN1757 Chromic fluoride, solution UN1758 Chromium oxychloride **UN1805** Phosphoric acid solution **UN1806** Phosphorus pentachloride UN1759 Corrosive solids, n.o.s. UN1760 Corrosive liquids, n.o.s. **UN1807** Phosphorus pentoxide UN1761 Cupriethylenediamine solution **UN1808** Phosphorus tribromide UN1762 Cyclohexenyltrichlorosilane **UN1809** Phosphorus trichloride UN1763 Cyclohexyltrichlorosilane **UN1810** Phosphorus oxychloride UN1764 Dichloroacetic acid UN1811 Potassium hydrogendifluoride solid UN1765 Dichloroacetyl chloride UN1812 Potassium fluoride, solid UN1813 Potassium hydroxide, solid **UN1766** Dichlorophenyltrichlorosilane UN1814 Potassium hydroxide, solution UN1767 Diethyldichlorosilane UN1768 Difluorophosphoric acid, anhydrous UN1815 Propionyl chloride UN1769 **UN1816** Propyltrichlorosilane Diphenyldichlorosilane UN1817 Pyrosulfuryl chloride **UN1770** Diphenylmethyl bromide **UN1818** Silicon tetrachloride **UN1771** Dodecyltrichlorosilane UN1819 UN1773 Ferric chloride, anhydrous Sodium aluminate, solution UN1823 Sodium hydroxide, solid **UN1774** Fire extinguisher charges UN1824 Sodium hydroxide solution **UN1775** Fluoroboric acid UN1776 Fluorophosphoric acid anhydrous UN1825 Sodium monoxide UN1826 Nitrating acid mixtures, spent **UN1777** Fluorosulfonic acid **UN1778** Fluorosilicic acid UN1827 Stannic chloride, anhydrous UN1779 **UN1828** Sulfur chlorides Formic acid UN1829 Sulfur trioxide, stabilized UN1780 Fumaryl chloride UN1830 Sulfuric acid UN1781 Hexadecyltrichlorosilane UN1782 Hexafluorophosphoric acid UN1831 Sulfuric acid, fuming UN1832 Sulfuric acid, spent **UN1783** Hexamethylenediamine solution UN1833 Sulfurous acid UN1784 Hexyltrichlorosilane UN1786 Hydrofluoric acid and Sulfuric acid UN1834 Sulfuryl chloride mixtures UN1835 Tetramethylammonium hydroxide solution UN1787 Hydriodic acid UN1836 Thionyl chloride UN1788 Hydrobromic acid UN1837 Thiophosphoryl chloride UN1789 Hydrochloric acid **UN1838** Titanium tetrachloride UN1790 Hydrofluoric acid UN1839 Trichloroacetic acid UN1791 **Hypochlorite solutions** UN1840 Zinc chloride, solution UN1792 Iodine monochloride UN1841 Acetaldehyde ammonia UN1793 Isopropyl acid phosphate UN1843 Ammonium dinitro-o-cresolate, solid UN1845 Carbon dioxide, solid or Dry ice UN1794 Lead sulfate

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

#### **ID NO. PROPER SHIPPING NAME** ID NO. PROPER SHIPPING NAME UN1912 Methyl chloride and methylene chloride UN1846 Carbon tetrachloride UN1847 Potassium sulfide, hydrated mixtures UN1848 Propionic acid UN1913 Neon, refrigerated liquid UN1849 Sodium sulfide, hydrated **UN1914** Butyl propionates UN1851 Medicine, liquid, toxic, n.o.s. UN1915 Cyclohexanone UN1854 Barium alloys, pyrophoric UN1916 2,2'-Dichlorodiethyl ether UN1855 Calcium, pyrophoric or Calcium alloys, UN1917 Ethyl acrylate, stabilized UN1918 Isopropylbenzene pyrophoric UN1856 Rags, oily UN1919 Methyl acrylate, stabilized UN1857 Textiles waste, wet UN1920 Nonanes UN1858 Hexafluoropropylene, compressed or **UN1921** Propyleneimine, stabilized Refrigerant gas R 1216 UN1922 Pyrrolidine UN1859 Silicon tetrafluoride UN1923 Calcium dithionite or Calcium hydrosulfite UN1860 Vinyl fluoride, stabilized UN1862 Ethyl crotonate UN1928 Methyl magnesium bromide, in ethyl ether UN1929 Potassium dithionite or Potassium hydrosulfite UN1863 Fuel, aviation, turbine engine UN1865 n-Propyl nitrate UN1866 Resin solution UN1931 Zinc dithionite or Zinc hydrosulfite UN1868 Decaborane UN1932 Zirconium scrap UN1935 Cyanide solutions, n.o.s. UN1869 Magnesium or Magnesium alloys **UN1870** Potassium borohydride **UN1938** Bromoacetic acid solution UN1871 Titanium hydride UN1939 Phosphorus oxybromide UN1940 Thioglycolic acid UN1872 Lead dioxide UN1941 Dibromodifluoromethane **UN1873** Perchloric acid **UN1942** Ammonium nitrate UN1884 Barium oxide UN1885 Benzidine UN1944 Matches, safety UN1945 Matches, wax, Vesta UN1886 Benzylidene chloride **UN1887** Bromochloromethane UN1950 Aerosols **UN1888** Chloroform UN1950 Aerosols, flammable, n.o.s. UN1951 Argon, refrigerated liquid UN1889 Cyanogen bromide UN1891 Ethyl bromide UN1952 Ethylene oxide and carbon dioxide mixtures UN1892 Ethyldichloroarsine **UN1894** Phenylmercuric hydroxide UN1953 Compressed gas, toxic, flammable, n.o.s. **UN1895** Phenylmercuric nitrate UN1954 Compressed gases, flammable, n.o.s. **UN1897** Tetrachloroethylene UN1955 Compressed gas, toxic, n.o.s. UN1898 Acetvl iodide UN1956 Compressed gas, n.o.s. UN1902 Diisooctyl acid phosphate **UN1957** Deuterium, compressed UN1903 Disinfectant, liquid, corrosive n.o.s. UN1958 1,2-Dichloro-1,1,2,2-Tetrafluoroethane or UN1905 Selenic acid **Refrigerant gas, R114** UN1906 Sludge, acid UN1959 1,1-Difluoroethylene or Refrigerant gas R UN1907 Soda lime 1132a **UN1908** Chlorite solution UN1961 Ethane, refrigerated liquid UN1910 Calcium oxide UN1962 Ethylene UN1911 Diborane UN1963 Helium, refrigerated liquid

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. I KUI EK SIIII I ING NAME	ID IN	<b>J. I KUI EK SIIII I ING NAME</b>
UN1964	Hydrocarbon gas mixture, compressed,	UN1994	Iron pentacarbonyl
	n.o.s.	UN1999	Tars, liquid
UN1965	Hydrocarbon gas mixture, liquefied, n.o.s	UN2000	Celluloid
UN1966	Hydrogen, refrigerated liquid	UN2001	Cobalt naphthenates, powder
UN1967	Insecticide gases, toxic, n.o.s.	UN2002	Celluloid, scrap
UN1968	Insecticide gases, n.o.s.	UN2004	Magnesium diamide
	Isobutane	UN2005	Magnesium diphenyl
UN1970	Krypton, refrigerated liquid	UN2006	Plastics, nitrocellulose-based, self-heating, n.o.s.
UN1971	Methane, compressed or Natural gas,		
	compressed	UN2008	Zirconium powder, dry
UN1972	Methane, refrigerated liquid or Natural	UN2009	Zirconium, dry
	gas, refrigerated liquid	UN2010	Magnesium hydride
UN1973		UN2011	Magnesium phosphide
	chloropentafluoroethane mixture or		Potassium phosphide
	Refrigerant gas R 502	UN2013	Strontium phosphide
UN1974	Chlorodifluorobromomethane or	UN2014	Hydrogen peroxide, aqueous solutions
	Refrigerant gas R 12B1	UN2015	Hydrogen peroxide, stabilized or Hydrogen
UN1975	Nitric oxide and dinitrogen tetroxide		peroxide aqueous solutions, stabilized
	mixtures or Nitric oxide and nitrogen diox	x ildl@2016	Ammunition, toxic, non-explosive
	mixtures	UN2017	Ammunition, tear-producing, non-explosive
UN1976	Octafluorocyclobutane or Refrigerant gas	R	
	C318	<b>ÜN2018</b>	Chloroanilines, solid
UN1977	Nitrogen, refrigerated liquid	UN2019	Chloroanilines, liquid
UN1978	Propane see also Petroleum gases,	UN2020	Chlorophenols, solid
	liquefied	UN2021	Chlorophenols, liquid
UN1979	Rare gases, mixtures, compressed		Cresylic acid
UN1980	Rare gases and oxygen mixtures,		Epichlorohydrin
	compressed	UN2024	Mercury compounds, liquid, n.o.s.
UN1981	-		Mercury compounds, solid, n.o.s.
	compressed		Phenylmercuric compounds, n.o.s.
UN1982	Tetrafluoromethane <i>or</i> Refrigerant gas	UN2027	Sodium arsenite, solid
	R 14	UN2028	Domos, smoke, non expressive
UN1983	1-Chloro-2,2,2-trifluoroethane or		Hydrazine, anhydrous
	Refrigerant gas R 133a	UN2030	Hydrazine aqueous solutions
UN1984	Trifluoromethane or Refrigerant gas	UN2031	Nitric acid
	R 23		Nitric acid, red fuming
UN1986	Alcohols, flammable, toxic, n.o.s.	UN2033	Potassium monoxide
UN1987	Alcohols, n.o.s	UN2034	Hydrogen and Methane mixtures, compressed
UN1988	Aldehydes, flammable, toxic, n.o.s.		
UN1989	Aldehydes, n.o.s.	UN2035	1,1,1-Trifluoroethane, compressed or
UN1990	Benzaldehyde		Refrigerant gas R 143a
UN1991	- · · · · · · · · · · · · · · · · · · ·	UN2036	Xenon
UN1992	Flammable liquids, toxic, n.o.s.	UN2037	Gas cartridges
	Flammable liquids, n.o.s.		-
	-	•	

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NC	<b>J. PROPER SHIPPING NAME</b>
UN2037	Receptacles, small, containing gas (gas	UN2202	Hydrogen selenide, anhydrous
	cartridges)	UN2203	Silane
UN2038	Dinitrotoluenes	UN2204	Carbonyl sulfide
UN2044	2,2-Dimethylpropane	UN2205	Adiponitrile
UN2045	Isobutyraldehyde or Isobutyl aldehyde	UN2206	Isocyanates, toxic, n.o.s. or Isocyanate,
UN2046	Cymenes		solutions, toxic, n.o.s.
UN2047	Dichloropropenes	UN2208	Calcium hypochlorite mixtures, dry
UN2048	Dicyclopentadiene	UN2209	Formaldehyde, solutions
UN2049	Diethylbenzene	UN2210	Maneb or Maneb preparations
UN2050	Diisobutylene, isomeric compounds	UN2211	Polymeric beads, expandable
UN2051	2-Dimethylaminoethanol	UN2212	Blue asbestos or Brown asbestos
UN2052	Dipentene	UN2213	Paraformaldehyde
UN2053	Methyl isobutyl carbinol		Phthalic anhydride
UN2054	Morpholine		Maleic anhydride
UN2055	-		Maleic anhydride, molten
UN2056	Tetrahydrofuran		Fish meal, stabilized or Fish scrap, stabilized
	Tripropylene		
	Valeraldehyde	UN2217	Seed cake
	Nitrocellulose, solution, flammable	UN2218	Acrylic acid, stabilized
UN2067	Ammonium nitrate based fertilizers	UN2219	
UN2071	Ammonium nitrate based fertilizers	UN2222	Anisole
UN2073	Ammonia solutions	UN2224	Benzonitrile
UN2074	Acrylamide, solid		Benzene sulfonyl chloride
	Chloral, anhydrous, stabilized		Benzotrichloride
	Cresols, liquid	UN2227	n-Butyl methacrylate, stabilized
	alpha-Naphthylamine		2-Chloroethanal
	Toluene diisocyanate	UN2233	Chloroanisidines
UN2079	Diethylenetriamine	UN2234	Chlorobenzotrifluorides
UN2186	Hydrogen chloride, refrigerated liquid	UN2235	Chlorobenzyl chlorides, liquid
	Carbon dioxide, refrigerated liquid	UN2236	3-Chloro-4-methylphenyl isocyanate, liquid
UN2188	Arsine		
UN2189	Dichlorosilane	UN2237	Chloronitroanilines
	Oxygen difluoride, compressed	UN2238	Chlorotoluenes
	Sulfuryl fluoride	UN2239	Chlorotoluidines, solid
	Germane		Chromosulfuric acid
	Hexafluoroethane or Refrigerant gas R 11		
UN2194			Cycloheptene
UN2195	Tellurium hexafluoride	UN2243	· ·
	Tungsten hexafluoride	UN2244	• •
	Hydrogen iodide, anhydrous	UN2245	• •
	Phosphorus	UN2246	
	Phosphine	UN2247	
	Propadiene, stabilized		Di-n-butylamine
	Nitrous oxide, refrigerated liquid		Dichlorodimethyl ether, symmetrical
	in ous on wey reinger uten inquin	I	

ID NO. PROPER SHIPPING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO. PROPER SHIPPING NAME

#### **UN2250** Dichlorophenyl isocyanates UN2296 Methylcyclohexane UN2297 Methylcyclohexanone UN2251 Bicyclo[2,2,1]hepta-2,5-diene, stabilized UN2298 Methylcyclopentane or 2,5-Norbornadiene stabilized UN2252 1,2-Dimethoxyethane UN2299 Methyl dichloroacetate UN2253 N,N-Dimethylaniline UN2300 2-Methyl-5-ethylpyridine UN2254 Matches, fusee UN2301 2-Methylfuran UN2256 Cyclohexene UN2302 5-Methylhexan-2-one UN2303 Isopropenylbenzene **UN2257** Potassium UN2258 1,2-Propylenediamine UN2304 Naphthalene, molten **UN2259** Triethylenetetramine UN2305 Nitrobenzenesulfonic acid UN2306 Nitrobenzotrifluorides, liquid **UN2260** Tripropylamine UN2261 Xylenols, solid UN2307 3-Nitro-4-chlorobenzotrifluoride UN2308 Nitrosylsulfuric acid, liquid UN2262 Dimethylcarbamoyl chloride **UN2263** Dimethylcyclohexanes **UN2309** Octadiene UN2310 Pentane-2,4-dione UN2264 N,N-Dimethylcyclohexylamine **UN2311** Phenetidines UN2265 N,N-Dimethylformamide UN2312 Phenol, molten UN2266 Dimethyl-N-propylamine UN2313 Picolines UN2267 Dimethyl thiophosphoryl chloride UN2269 3,3'-Iminodipropylamine UN2315 Polychlorinated biphenyls, liquid UN2270 Ethylamine, aqueous solution UN2316 Sodium cuprocyanide, solid UN2271 Ethyl amyl ketone UN2317 Sodium cuprocyanide, solution UN2272 n-Ethylaniline UN2318 Sodium hydrosulfide UN2319 Terpene hydrocarbons, n.o.s. UN2273 2-Ethylaniline UN2320 Tetraethylenepentamine UN2274 N-Ethyl-N-benzylaniline UN2321 Trichlorobenzenes, liquid UN2275 2-Ethylbutanol **UN2322** Trichlorobutene UN2276 2-Ethylhexylamine UN2277 Ethyl methacrylate, stabilized UN2323 Triethyl phosphite UN2278 n-Heptene UN2324 Triisobutylene **UN2279** Hexachlorobutadiene UN2325 1,3,5-Trimethylbenzene UN2326 Trimethylcyclohexylamine UN2280 Hexamethylenediamine, solid UN2281 Hexamethylene diisocyanate UN2327 Trimethylhexamethylenediamines **UN2282** Hexanols UN2328 Trimethylhexamethylene diisocyanate UN2283 Isobutyl methacrylate, stabilized **UN2329** Trimethyl phosphite UN2330 Undecane UN2284 Isobutyronitrile UN2285 Isocyanatobenzotrifluorides UN2331 Zinc chloride, anhydrous **UN2286** Pentamethylheptane UN2332 Acetaldehyde oxime UN2287 Isoheptenes UN2333 Allyl acetate **UN2288** Isohexenes UN2334 Allylamine **UN2289** Isophoronediamine UN2335 Allyl ethyl ether UN2290 Isophorone diisocyanate UN2336 Allyl formate UN2337 Phenyl mercaptan UN2291 Lead compounds, soluble, n.o.s. UN2293 4-Methoxy-4-methylpentan-2-one UN2338 Benzotrifluoride UN2294 N-Methylaniline UN2339 2-Bromobutane UN2295 Methyl chloroacetate UN2340 2-Bromoethyl ethyl ether

ID NO. PROPER SHIPPING NAME

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO. PROPER SHIPPING NAME

#### UN2341 1-Bromo-3-methylbutane UN2389 Furan UN2390 2-Iodobutane **UN2342** Bromomethylpropanes UN2343 2-Bromopentane **UN2391** Iodomethylpropanes **UN2344** Bromopropanes **UN2392** Iodopropanes UN2345 3-Bromopropyne **UN2393** Isobutyl formate **UN2346** Butanedione UN2394 Isobutyl propionate **UN2347** Butyl mercaptans UN2395 Isobutyryl chloride UN2396 Methacrylaldehyde, stabilized UN2348 Butyl acrylates, stabilized UN2350 Butyl methyl ether UN2397 3-Methylbutan-2-one UN2351 Butyl nitrites UN2398 Methyl tert-butyl ether UN2352 Butyl vinyl ether, stabilized UN2399 1-Methylpiperidine UN2353 Butyryl chloride UN2400 Methyl isovalerate **UN2401** Piperidine UN2354 Chloromethyl ethyl ether UN2356 2-Chloropropane **UN2402** Propanethiols UN2403 Isopropenyl acetate UN2357 Cyclohexylamine UN2404 Propionitrile UN2358 Cyclooctatetraene UN2405 Isopropyl butyrate **UN2359** Diallylamine **UN2360** Diallylether UN2406 Isopropyl isobutyrate UN2361 Diisobutylamine UN2407 Isopropyl chloroformate UN2362 1,1-Dichloroethane UN2409 Isopropyl propionate UN2363 Ethyl mercaptan UN2410 1,2,3,6-Tetrahydropyridine UN2364 n-Propyl benzene UN2411 Butyronitrile UN2412 Tetrahydrothiophene UN2366 Diethyl carbonate UN2413 Tetrapropylorthotitanate UN2367 alpha-Methylvaleraldehyde UN2414 Thiophene UN2368 alpha-Pinene UN2370 1-Hexene **UN2416** Trimethyl borate **UN2371** Isopentenes UN2417 Carbonyl fluoride UN2372 1,2-Di-(dimethylamino)ethane UN2418 Sulfur tetrafluoride UN2373 Diethoxymethane **UN2419** Bromotrifluoroethylene UN2420 Hexafluoroacetone UN2374 3,3-Diethoxypropene UN2375 Diethyl sulfide UN2421 Nitrogen trioxide UN2376 2,3-Dihydropyran UN2422 Octafluorobut-2-ene or Refrigerant gas R 1318 UN2377 1.1-Dimethoxyethane UN2378 2-Dimethylaminoacetonitrile UN2424 Octafluoropropane or Refrigerant gas R 218 UN2379 1,3-Dimethylbutylamine UN2426 Ammonium nitrate, liquid UN2380 Dimethyldiethoxysilane UN2427 Potassium chlorate, aqueous solution UN2381 Dimethyl disulfide UN2428 Sodium chlorate, aqueous solution UN2382 Dimethylhydrazine, symmetrical UN2429 Calcium chlorate aqueous solution UN2383 Dipropylamine UN2384 Di-n-propyl ether UN2429 Calcium chlorate aqueous solution UN2430 Alkylphenols, solid, n.o.s. UN2385 Ethyl isobutyrate **UN2431** Anisidines UN2386 1-Ethylpiperidine UN2432 N,N-Diethylaniline UN2387 Fluorobenzene UN2433 Chloronitrotoluenes, liquid **UN2388** Fluorotoluenes

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

	I KOI EK SIIII I ING NAME	ID IN	<b>5.</b> TROLER SHILLING MAME
UN2434	Dibenzyldichlorosilane	UN2481	Ethyl isocyanate
UN2435	Ethylphenyldichlorosilane	UN2482	n-Propyl isocyanate
UN2436	Thioacetic acid	UN2483	Isopropyl isocyanate
UN2437	Methylphenyldichlorosilane	UN2484	tert-Butyl isocyanate
	Trimethylacetyl chloride	UN2485	
UN2439	Sodium hydrogendifluoride	UN2486	Isobutyl isocyanate
UN2440	Stannic chloride, pentahydrate	UN2487	Phenyl isocyanate
UN2441	Titanium trichloride, pyrophoric or		Cyclohexyl isocyanate
	Titanium trichloride mixtures,		Dichloroisopropyl ether
	pyrophoric		Ethanolamine or Ethanolamine solutions
UN2442	Trichloroacetyl chloride		Hexamethyleneimine
UN2443	Vanadium oxytrichloride		Iodine pentafluoride
UN2444	Vanadium tetrachloride		Propionic anhydride
UN2445	Lithium alkyls, liquid		1,2,3,6-Tetrahydrobenzaldehyde
UN2446	Nitrocresols, solid		Tris-(1-aziridinyl)phosphine oxide, solution
	Phosphorus white, molten		
UN2448		UN2502	Valeryl chloride
UN2451	Nitrogen trifluoride		Zirconium tetrachloride
	Ethylacetylene, stabilized		Tetrabromoethane
	Ethyl fluoride or Refrigerant gas R 161		Ammonium fluoride
	Methyl fluoride or Refrigerant gas R 41		Ammonium hudride Ammonium hydrogen sulfate
	2-Chloropropene		Chloroplatinic acid, solid
	2,3-Dimethylbutane		
	Hexadienes		Molybdenum pentachloride
UN2459	2-Methyl-1-butene		Potassium hydrogen sulfate
UN2460	2-Methyl-2-butene		2-Chloropropionic acid
UN2461	Methylpentadienes		Aminophenols (o-; m-; p-)
UN2463	Aluminum hydride		Bromoacetyl bromide
UN2464	Beryllium nitrate		Bromobenzene
UN2465	Dichloroisocyanuric acid, dry or		Bromoform
	Dichloroisocyanuric acid salts		Carbon tetrabromide
UN2466	Potassium superoxide	UN2517	1-Chloro-1,1-difluoroethanes or Regrigerant
UN2468	Trichloroisocyanuric acid, dry	1012510	gas R 142b
UN2469	Zinc bromate		1,5,9-Cyclododecatriene
	Phenylacetonitrile, liquid		Cyclooctadienes
	Osmium tetroxide		Diketene, stabilized
	Sodium arsanilate		2-Dimethylaminoethyl methacrylate
UN2473 UN2474			Ethyl orthoformate
	Thiophosgene Vanadium trichlarida	UN2525	Ethyl oxalate
UN2475 UN2477	Vanadium trichloride	UN2526	· · · · · · ·
UN2477 UN2478	Methyl isothiocyanate	UN2527	Isobutyl acrylate, stabilized
UN2478	Isocyanates, flammable, toxic, n.o.s. or	UN2528	Isobutyl isobutyrate
	Isocyanate solutions, flammable, toxic,	UN2529	Isobutyric acid
	n.o.s.	UN2531	Methacrylic acid, stabilized
UN2480	Methyl isocyanate	UN2533	Methyl trichloroacetate
	-	•	

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN2534	Methylchlorosilane	UN2586	Alkyl sulfonic acids, liquid or Aryl sulfonic
	4-Methylmorpholine or n-methylmorphol		acids, liquid
		UN2587	Benzoquinone
UN2536	Methyltetrahydrofuran		Pesticides, solid, toxic, n.o.s.
	Nitronaphthalene		Vinyl chloroacetate
	Terpinolene		White asbestos
	Tributylamine		Xenon, refrigerated liquid
	Hafnium powder, dry		Chlorotrifluoromethane and trifluoromethane
	Titanium powder, dry		azeotropic mixture or Refrigerant gas R 503
UN2547		UN2600	Carbon monoxide and hydrogen mixture,
UN2548			compressed
	Hexafluoroacetone hydrate, liquid	UN2601	Cyclobutane
UN2554	Methyl allyl chloride		Dichlorodifluoromethane and difluoroethane
	Nitrocellulose with water		azeotropic mixture or Refrigerant gas R 500
	Nitrocellulose with alcohol	UN2603	
	Nitrocellulose <i>or</i> Nitrocellulose mixture		Boron trifluoride diethyl etherate
	with pigment or Nitrocellulose mixture		Methoxymethyl isocyanate
	with plasticizer or Nitrocellulose mixture		Methyl orthosilicate
	with pigment and plasticizer		Acrolein dimer, stabilized
UN2558	Epibromohydrin		Nitropropanes
	2-Methylpentan-2-ol		Triallyl borate
	3-Methyl-1-butene		Triallylamine
	Trichloroacetic acid, solution		Propylene chlorohydrin
	Dicyclohexylamine		Methyl propyl ether
	Sodium pentachlorophenate		Methallyl alcohol
	Cadmium compounds		Ethyl propyl ether
	Alkylsulfuric acids		Triisopropyl borate
	Phenylhydrazine		Methylcyclohexanols
UN2573	Thallium chlorate		Vinyltoluenes, stabilized
UN2574	Tricresyl phosphate		Benzyldimethylamine
UN2576	Phosphorus oxybromide, molten		Amyl butyrates
UN2577	Phenylacetyl chloride		Acetyl methyl carbinol
	Phosphorus trioxide		Glycidaldehyde
	Piperazine		Firelighters, solid
	Aluminum bromide, solution		Magnesium silicide
UN2581	Aluminum chloride, solution		Chloric acid aqueous solution
UN2582	Ferric chloride, solution	UN2627	Nitrites, inorganic, n.o.s.
UN2583	Alkyl sulfonic acids, solid or Aryl	UN2628	Potassium fluoroacetate
	sulfonic acids, solid	UN2629	Sodium fluoroacetate
UN2584	Alkyl sulfonic acids, liquid or Aryl	UN2630	Selenates or Selenites
	sulfonic acids, liquid	UN2642	Fluoroacetic acid
UN2585	Alkyl sulfonic acids, solid or Aryl	UN2643	Methyl bromoacetate
	sulfonic acids, solid	UN2644	Methyl iodide
	<i>`</i>	UN2645	Phenacyl bromide
		1	v

### **ID NO. PROPER SHIPPING NAME**

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN2646	Hexachlorocyclopentadiene	UN2707	Dimethyldioxanes
	Malononitrile		Butyl benzenes
UN2648	1,2-Dibromobutan-3-one		Dipropyl ketone
	1,3-Dichloroacetone		Acridine
	1,1-Dichloro-1-nitroethane	UN2714	Zinc resinate
	4,4'-Diaminodiphenyl methane	UN2715	Aluminum resinate
	Benzyl iodide		1,4-Butynediol
UN2655	Potassium fluorosilicate		Camphor
	Quinoline		Barium bromate
UN2657	Selenium disulfide	UN2720	Chromium nitrate
UN2659	Sodium chloroacetate	UN2721	Copper chlorate
UN2660	Nitrotoluidines (mono)		Lithium nitrate
	Hexachloroacetone	UN2723	Magnesium chlorate
UN2662	Hydroquinone, solid		Manganese nitrate
	Dibromomethane		Nickel nitrate
UN2667	Butyltoluenes	UN2726	Nickel nitrite
	Chloroacetonitrile	UN2727	Thallium nitrate
UN2669	Chlorocresols solution	UN2728	Zirconium nitrate
UN2670	Cyanuric chloride	UN2729	Hexachlorobenzene
	Aminopyridines (o-; m-; p-)	UN2730	Nitroanisole, liquid
UN2672	Ammonia solutions	UN2732	Nitrobromobenzenes, liquid
UN2673	2-Amino-4-chlorophenol	UN2733	Amines, flammable, corrosive, n.o.s. or
UN2674	Sodium fluorosilicate		Polyamines, flammable, corrosive, n.o.s.
UN2676	Stibine	UN2734	Amines, liquid, corrosive, flammable, n.o.s. or
UN2677	Rubidium hydroxide solution		Polyamines, liquid, corrosive, flammable, n.o.s.
UN2678	Rubidium hydroxide	11010505	
UN2679	Lithium hydroxide, solution	UN2735	Amines, liquid, corrosive, n.o.s. or Polyamines,
	Lithium hydroxide	11312720	liquid, corrosive, n.o.s.
	Caesium hydroxide solution		N-Butylaniline
	Caesium hydroxide		Butyric anhydride
	Ammonium sulfide solution		n-Propyl chloroformate
	3-Diethylamino-propylamine		Barium hypochlorite
	N,N-Diethylethylenediamine	UN2/42	Chloroformates, toxic, corrosive, flammable,
	2-Diethylaminoethanol	11112742	n.o.s.
	Dicyclohexylammonium nitrite		n-Butyl chloroformate
	1-Bromo-3-chloropropane		Cyclobutyl chloroformate
UN2689	Glycerol alpha-monochlorohydrin		Chloromethyl chloroformate
	N-n-Butyl imidazole	UN2740 UN2747	Phenyl chloroformate
	Phosphorus pentabromide	UN2747 UN2748	tert-Butylcyclohexylchloroformate
	Boron tribromide	UN2748 UN2749	2-Ethylhexyl chloroformate
	Bisulfites, aqueous solutions, n.o.s.	UN2749 UN2750	······································
	Tetrahydrophthalic anhydrides		1,3-Dichloropropanol-2 Diethylthiophosphoryl chloride
UN2699	Trifluoroacetic acid	UN2751 UN2752	1,2-Epoxy-3-ethoxypropane
UN2705	1-Pentol		
		0112733	N-Ethylbenzyltoluidines liquid

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO.	PROPER SHIPPING NAME	ID NO	. PROPER SHIPPING NAME
UN2754	N-Ethyltoluidines	UN2796	Sulfuric acid
UN2757	Carbamate pesticides, solid, toxic	UN2797	Battery fluid, alkali
UN2758	Carbamate pesticides, liquid, flammable,	t <b>b::::</b> 798	Phenyl phosphorus dichloride
		UN2799	Phenyl phosphorus thiodichloride
UN2759	Arsenical pesticides, solid, toxic	UN2800	Batteries, wet, non-spillable
	Arsenical pesticides, liquid, flammable,	UN2801	Dyes, liquid, corrosive n.o.s. or Dye
	toxic		intermediates, liquid, n.o.s.
UN2761	Organochlorine pesticides, solid toxic	UN2802	Copper chloride
	Organochlorine pesticides liquid,	UN2803	Gallium
	flammable, toxic	UN2805	Lithium hydride, fused solid
UN2763	Triazine pesticides, solid, toxic	UN2806	Lithium nitride
	Triazine pesticides, liquid, flammable,	UN2809	Mercury
	toxic		Toxic, liquids, organic, n.o.s.
UN2771	Thiocarbamate pesticides, solid, toxic	UN2811	Toxic solids, organic, n.o.s.
	Thiocarbamate pesticide, liquid,		Sodium aluminate, solid
	flammable, toxic	UN2813	Water-reactive solid, n.o.s.
UN2775	Copper based pesticides, solid, toxic	UN2814	Infectious substances, affecting humans
	Copper based pesticides, liquid,	UN2815	N-Aminoethylpiperazine
	flammable, toxic	UN2817	Ammonium hydrogendifluoride, solution
UN2777	Mercury based pesticides, solid, toxic	UN2818	Ammonium polysulfide, solution
UN2778	Mercury based pesticides, liquid,	UN2819	Amyl acid phosphate
	flammable, toxic	UN2820	Butyric acid
UN2779	Substituted nitrophenol pesticides,	UN2821	Phenol solutions
	solid, toxic	UN2822	2-Chloropyridine
UN2780	Substituted nitrophenol pesticides,	UN2823	Crotonic acid
	liquid, flammable, toxic	UN2826	Ethyl chlorothioformate
	Bipyridilium pesticides, solid, toxic	UN2829	Caproic acid
UN2782	Bipyridilium pesticides, liquid,	UN2830	Lithium ferrosilicon
	flammable, toxic		1,1,1-Trichloroethane
	Organophosphorus pesticides, solid, toxic	UN2834	Phosphorous acid
	Organophosphorus pesticides, liquid,	UN2835	Sodium aluminum hydride
	flammable, toxic	UN2837	Bisulfate, aqueous solution
	4-Thiapentanal	UN2838	Vinyl butyrate, stabilized
	Organotin pesticides, solid, toxic		Aldol
UN2787	Organotin pesticides, liquid, flammable,		Butyraldoxime
	toxic	UN2841	Di-n-amylamine
UN2788	Organotin compounds, liquid, n.o.s.	UN2842	Nitroethane
UN2789	Acetic acid, glacial or Acetic acid solution	UN2844	Calcium manganese silicon
UN2790	Acetic acid solution	UN2845	Pyrophoric liquids, organic, n.o.s.
UN2793	Ferrous metal borings or Ferrous metal	UN2846	Pyrophoric solids, organic, n.o.s.
	shavings or Ferrous metal turnings or	UN2849	3-Chloropropanol-1
	Ferrous metal cuttings		Propylene tetramer
11112704		TIN12051	
UN2794	Batteries, wet, filled with acid	UN2851	Boron trifluoride dihydrate

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO.	FROPER SHIPPING NAME	ID NC	<b>J. PROPER SHIPPING NAME</b>
UN2853	Magnesium fluorosilicate	UN2911	Radioactive material, excepted package-
UN2854	Ammonium fluorosilicate		instruments or articles
UN2855	Zinc fluorosilicate	UN2912	Radioactive material, low specific activity
UN2856	Fluorosilicates, n.o.s.		(LSA-I).
UN2857	Refrigerating machines	UN2913	Radioactive material, surface contaminated
UN2858	Zirconium, dry		objects (SCO-I or SCO-II)
UN2859	Ammonium metavanadate	UN2915	Radioactive material, Type A package
UN2861	Ammonium polyvanadate	UN2916	Radioactive material, Type B(U) package
UN2862	Vanadium pentoxide	UN2917	Radioactive material, Type B(M) package
UN2863	Sodium ammonium vanadate	UN2919	Radioactive material, transported under specia
UN2864	Potassium metavanadate		arrangement
UN2865	Hydroxylamine sulfate	UN2920	Corrosive liquids, flammable, n.o.s.
UN2869	Titanium trichloride mixtures	UN2921	Corrosive solids, flammable, n.o.s.
UN2870	Aluminum borohydride or Aluminum	UN2922	Corrosive liquids, toxic, n.o.s.
	borohydride in devices	UN2923	Corrosive solids, toxic, n.o.s.
UN2871	Antimony powder	UN2924	Flammable liquids, corrosive, n.o.s.
UN2872	Dibromochloropropane	UN2925	Flammable solids, corrosive, organic, n.o.s.
UN2873	Dibutylaminoethanol	UN2926	Flammable solids, toxic, organic, n.o.s.
UN2874	Furfuryl alcohol		Toxic liquids, corrosive, organic, n.o.s.
	Hexachlorophene		Toxic solids, corrosive, organic, n.o.s.
	Resorcinol		Toxic liquids, flammable, organic, n.o.s.
UN2878	Titanium sponge granules or Titanium		Toxic solids, flammable, organic, n.o.s.
	sponge powders		Vanadyl sulfate
UN2879	Selenium oxychloride	UN2933	Methyl 2-chloropropionate
UN2880	Calcium hypochlorite, hydrated or	UN2934	Isopropyl 2-chloropropionate
	Calcium hypochlorite, hydrated mixtures	UN2935	Ethyl 2-chloropropionate
UN2881	Metal catalyst, dry	UN2936	Thiolactic acid
UN2900	Infectious substances, affecting animals	UN2937	alpha-Methylbenzyl alcohol, liquid
UN2901	Bromine chloride	UN2940	9-Phosphabicyclononanes or Cyclooctadiene
UN2902	Pesticides, liquid, toxic, n.o.s.		phosphines
UN2903	Pesticides, liquid, toxic, flammable, n.o.s.	UN2941	Fluoroanilines
UN2904	Chlorophenolates, liquid or Phenolates,	UN2942	2-Trifluoromethylaniline
	liquid	UN2943	Tetrahydrofurfurylamine
UN2905	Chlorophenolates, solid or Phenolates,		N-Methylbutylamine
	solid	UN2946	2-Amino-5-diethylaminopentane
UN2907	Isosorbide dinitrate mixture	UN2947	Isopropyl chloroacetate
UN2908	Radioactive material, excepted	UN2948	3-Trifluoromethylaniline
	package-empty packaging	UN2949	Sodium hydrosulfide
UN2909	Radioactive material, execpted	UN2950	Magnesium granules, coated
	package-articles maufactured from	UN2956	5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk
	natural uranium or depleted uranium or		xylene
	natural thorium	UN2965	Boron trifluoride dimethyl etherate
UN2910	Radioactive material, excepted	UN2966	Thioglycol
	package-limited quantity of material	UN2967	Sulfamic acid
		I	

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

	. FROFER SHIFFING NAME		<b>D. FRUFER SHIFFING NAME</b>
UN2968	Maneb stabilized or Maneb preparations,	UN3016	Bipyridilium pesticides, liquid, toxic
	stabilized	UN3017	Organophosphorus pesticides, liquid, toxic,
UN2969	Castor beans or Castor meal or Castor		flammable
	pomace or Castor flake	UN3018	Organophosphorus pesticides, liquid, toxic
UN2977	Radioactive material, uranium	UN3019	Organotin pesticides, liquid, toxic, flammable
	hexafluoride, fissile		
UN2978	Radioactive material, uranium	UN3020	Organotin pesticides, liquid, toxic
	hexafluoride	UN3021	Pesticides, liquid, flammable, toxic
UN2983	Ethylene oxide and propylene oxide		1,2-Butylene oxide, stabilized
	mixtures		2-Methyl-2-heptanethiol
UN2984	Hydrogen peroxide, aqueous solutions	UN3024	
UN2985	Chlorosilanes, flammable, corrosive, n.o.s	•	flammable, toxic
	Chlorosilanes, corrosive, flammable, n.o.s	• UN3025	Coumarin derivative pesticides, liquid, toxic,
UN2987	Chlorosilanes, corrosive, n.o.s.		flammable
UN2988	Chlorosilanes, water-reactive, flammable,	UN3026	Coumarin derivative pesticides, liquid, toxic
	corrosive, n.o.s.		······································
UN2989	Lead phosphite, dibasic	UN3027	Coumarin derivative pesticides, solid, toxic
UN2990	Life-saving appliances, self inflating	UN3028	
UN2991	Carbamate pesticides, liquid, toxic,		solid
	flammable	UN3048	Aluminum phosphide pesticides
UN2992	Carbamate pesticides, liquid, toxic	UN3051	
UN2993	Arsenical pesticides, liquid, toxic,		Aluminum alkyl halides, liquid
	flammable		Magnesium alkyls
UN2994	Arsenical pesticides, liquid, toxic		Cyclohexyl mercaptan
UN2995	Organochlorine pesticides, liquid, toxic,		2-(2-Aminoethoxy) ethanol
	flammable		n-Heptaldehyde
UN2996	Organochlorine pesticides, liquid, toxic		Trifluoroacetyl chloride
UN2997	Triazine pesticides, liquid, toxic,		Nitroglycerin, solution in alcohol
	flammable	UN3065	Alcoholic beverages
UN2998	Triazine pesticides, liquid, toxic	UN3066	Paint or Paint related material
UN3005	Thiocarbamate pesticide, liquid, toxic,	UN3070	Ethylene oxide and dichlorodifluoromethane
	flammable		mixture
UN3006	Thiocarbamate pesticide, liquid, toxic	UN3071	Mercaptans, liquid, toxic, flammable, n.o.s. or
UN3009	Copper based pesticides, liquid, toxic,		Mercaptan mixtures, liquid, toxic, flammable
	flammable		n.o.s.
UN3010	Copper based pesticides, liquid, toxic	UN3072	Life-saving appliances, not self inflating
	Mercury based pesticides, liquid, toxic,		Vinylpyridines, stabilized
	flammable	UN3076	Aluminum alkyl hydrides
UN3012	Mercury based pesticides, liquid, toxic	UN3077	Environmentally hazardous substances, solid
UN3013	Substituted nitrophenol pesticides, liquid,	toxic,	n.o.s.
	flammable	UN3078	Cerium
UN3014	Substituted nitrophenol pesticides,	UN3079	Methacrylonitrile, stabilized
	liquid, toxic	01.0079	างเราสุราวาที่เป็นการ, รเลยที่ไ2ชน
1012015	Bipyridilium pesticides, liquid, toxic,		
UN3015	DIDVENUMUM DESLICIOES, NAMA, LOXIC.		

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

### ID NO. PROPER SHIPPING NAME

**ID NO. PROPER SHIPPING NAME** 

	. I KOI EK SIIII I ING NAME		<b>7. TRULER SITUTING NAME</b>
UN3080	Isocyanates, toxic, flammable, n.o.s. or	UN3116	Organic peroxide type D, solid, temperature
	Isocyanate solutions, toxic, flammable,		controlled
	n.o.s.	UN3117	Organic peroxide type E, liquid, temperature
UN3082	Environmentally hazardous substances,		controlled
	liquid, n.o.s.	UN3118	Organic peroxide type E, solid, temperature
UN3083	Perchloryl fluoride		controlled
UN3084	Corrosive solids, oxidizing, n.o.s.	UN3119	Organic peroxide type F, liquid, temperature
UN3085	Oxidizing solid, corrosive, n.o.s.		controlled
UN3086	Toxic solids, oxidizing, n.o.s.	UN3120	Organic peroxide type F, solid, temperature
UN3087	Oxidizing solid, toxic, n.o.s.		controlled
UN3088	Self-heating, solid, organic, n.o.s.	UN3121	Oxidizing solid, water-reactive, n.o.s.
UN3089	Metal powders, flammable, n.o.s.	UN3122	Toxic liquids, oxidizing, n.o.s.
UN3090	Lithium battery	UN3123	Toxic liquids, water-reative, n.o.s.
UN3091	Lithium batteries packed with equipment	UN3124	Toxic solids, self-heating, n.o.s.
UN3091	Lithium batteries, contained in equipmen	t UN3125	Toxic solids, water-reative, n.o.s.
UN3092	1-Methoxy-2-propanol	UN3126	Self-heating, solid, corrosive, organic, n.o.s.
UN3093	Corrosive liquids, oxidizing, n.o.s.		
UN3094	Corrosive liquids, water-reactive, n.o.s.	UN3127	Self-heating, solid, oxidizing, n.o.s.
UN3095	Corrosive solids, self-heating, n.o.s.	UN3128	Self-heating, solid, toxic, organic, n.o.s.
UN3096	Corrosive solids, water-reactive, n.o.s.	UN3129	Water-reactive liquid, corrosive, n.o.s.
UN3097	Flammable solid, oxidizing, n.o.s.	UN3130	Water-reactive liquid, toxic, n.o.s.
UN3098	Oxidizing liquid, corrosive, n.o.s.		Water-reactive solid, corrosive, n.o.s.
UN3099	Oxidizing liquid, toxic, n.o.s.	UN3132	Water-reactive solid, flammable, n.o.s.
UN3100	Oxidizing solid, self-heating, n.o.s.		Water-reactive solid, oxidizing, n.o.s.
UN3101	Organic peroxide type B, liquid	UN3134	Water-reactive solid, toxic, n.o.s.
UN3102	Organic peroxide type B, solid	UN3135	Water-reactive solid, self-heating, n.o.s.
UN3103	Organic peroxide type C, liquid	UN3136	Trifluoromethane, refrigerated liquid
UN3104			Oxidizing solid, flammable, n.o.s.
UN3105			Ethylene, acetylene and propylene mixtures,
UN3106			refrigerated liquid
UN3107		UN3139	Oxidizing liquid, n.o.s.
UN3108	Organic peroxide type E, solid	UN3140	Alkaloids, liquid, n.o.s. or Alkaloid salts, liquid
UN3109	Organic peroxide type F, liquid		n.o.s.
UN3110	Organic peroxide type F, solid	UN3141	Antimony compounds, inorganic, liquid, n.o.s.
UN3111	Organic peroxide type B, liquid,		Disinfectants, liquid, toxic, n.o.s.
	temperature controlled		Dyes, solid, toxic, n.o.s. or Dye intermediates,
UN3112	Organic peroxide type B, solid,		solid, toxic, n.o.s.
	temperature controlled	UN3144	Nicotine compounds, liquid, n.o.s. or Nicotine
UN3113	Organic peroxide type C, liquid,		preparations, liquid, n.o.s.
	temperature controlled	UN3145	Alkylphenols, liquid, n.o.s.
UN3114	Organic peroxide type C, solid,	UN3146	Organotin compounds, solid, n.o.s.
	temperature controlled		Dyes, solid, corrosive, n.o.s. or Dye
UN3115	Organic peroxide type D, liquid,		intermediates, solid, corrosive, n.o.s.
	temperature controlled	UN3148	Water-reactive liquid, n.o.s.
			water reactive inquiru, in.0.5.

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO. PROPER SHIPPING NAME	<b>ID NO. PROPER SHIPPING NAME</b>	ID NO. PROPER	
		ID NO. I KOI EK	

ID NO.	. PROPER SHIPPING NAME	ID NO	). PROPER SHIPPING NAME
UN3149	Hydrogen peroxide and peroxyacetic acid	UN3181	Metal salts of organic compounds, flammable,
	mixtures, stabilized		n.o.s.
UN3150	Devices, small, hydrocarbon gas powered	∂ <b>#</b> N3182	Metal hydrides, flammable, n.o.s.
	Hydrocarbon gas refills for small devices	UN3183	Self-heating liquid, organic, n.o.s.
UN3151	Polyhalogenated biphenyls, liquid or	UN3184	Self-heating liquid, toxic, organic, n.o.s.
	Polyhalogenated terphenyls liquid	UN3185	Self-heating liquid, corrosive, organic, n.o.s.
UN3152	Polyhalogenated biphenyls, solid or		
	Polyhalogenated terphenyls, solid	UN3186	Self-heating liquid, inorganic, n.o.s.
UN3153	Perfluoro (methyl vinyl ether)	UN3187	Self-heating liquid, toxic, inorganic, n.o.s.
UN3154	Perfluoro (ethyl vinyl ether)	UN3188	Self-heating liquid, corrosive, inorganic, n.o.s.
UN3155	Pentachlorophenol		
UN3156	Compressed gas, oxidizing, n.o.s.	UN3189	Metal powder, self-heating, n.o.s.
UN3157	Liquefied gas, oxidizing, n.o.s.	UN3190	Self-heating solid, inorganic, n.o.s.
UN3158	Gas, refrigerated liquid, n.o.s.	UN3191	Self-heating solid, toxic, inorganic, n.o.s.
UN3159	1,1,1,2-Tetrafluoroethane or Refrigerant	UN3192	Self-heating solid, corrosive, inorganic, n.o.s.
	gas R 134a		
UN3160	Liquefied gas, toxic, flammable, n.o.s.		Pyrophoric liquid, inorganic, n.o.s.
	Liquefied gas, flammable, n.o.s.		Pyrophoric solid, inorganic, n.o.s.
	Liquefied gas, toxic, n.o.s.		Alkaline earth metal alcoholates, n.o.s.
	Liquefied gas, n.o.s.	UN3206	Alkali metal alcoholates, self-heating, corrosive,
UN3164	/ L L		n.o.s.
	Hydraulic		Metallic substance, water-reactive, n.o.s.
	Aircraft hydraulic power unit fuel tank	UN3209	Metallic substance, water-reactive, self-heating,
	Engines, internal combustion		n.o.s.
	Vehicle, flammable gas powered	UN3210	Chlorates, inorganic, aqueous solution, n.o.s.
	Vehicle, flammable liquid powered		
UN3167	Gas sample, non-pressurized, flammable,	n.0.3211	Perchlorates, inorganic, aqueous solution, n.o.s.
UN3168	Gas sample, non-pressurized, toxic,		Hypochlorites, inorganic, n.o.s.
	flammable, n.o.s.	UN3213	Bromates, inorganic, aqueous solution, n.o.s.
UN3169	Gas sample, non-pressurized, toxic, n.o.s.		
UN3170	Aluminum smelting by-products or	UN3214	Permanganates, inorganic, aqueous solution,
	Aluminum remelting by-products		n.o.s.
UN3171	Battery-powered vehicle or		Persulfates, inorganic, n.o.s.
	Battery-powered equipment	UN3216	Persulfates, inorganic, aqueous solution, n.o.s.
UN3172	Toxins, extracted from living sources,		
	liquid, n.o.s.	UN3218	Nitrates, inorganic, aqueous solution, n.o.s.
UN3174	Titanium disulphide	UN3219	Nitrites, inorganic, aqueous solution, n.o.s.
UN3175	Solids containing flammable liquid, n.o.s.	UN3220	Pentafluoroethane or Refrigerant gas R 125
UN3176	Flammable solid, organic, molten, n.o.s.	UN3221	Self-reactive liquid type B
	Flammable solid, inorganic, n.o.s.	UN3222	Self-reactive solid type B
UN3179	Flammable solid, toxic, inorganic, n.o.s.	UN3223	Self-reactive liquid type C
UN3180	Flammable solid, corrosive, inorganic,	UN3224	Self-reactive solid type C
	n.o.s.	UN3225	Self-reactive liquid type D

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

### ID NO. PROPER SHIPPING NAME

**ID NO. PROPER SHIPPING NAME** 

		ID INC	
UN3226	Self-reactive solid type D	UN3259	Amines, solid, corrosive, n.o.s. or Polyamines,
UN3227	Self-reactive liquid type E		solid, corrosive n.o.s.
UN3228	Self-reactive solid type E	UN3260	Corrosive solid, acidic, inorganic, n.o.s.
UN3229	Self-reactive liquid type F	UN3261	Corrosive solid, acidic, organic, n.o.s.
UN3230	Self-reactive solid type F	UN3262	Corrosive solid, basic, inorganic, n.o.s.
UN3231	Self-reactive liquid type B, temperature	UN3263	Corrosive solid, basic, organic, n.o.s.
	controlled	UN3264	Corrosive liquid, acidic, inorganic, n.o.s.
UN3232	Self-reactive solid type B, temperature	UN3265	Corrosive liquid, acidic, organic, n.o.s.
	controlled	UN3266	Corrosive liquid, basic, inorganic, n.o.s.
UN3233	Self-reactive liquid type C, temperature	UN3267	Corrosive liquid, basic, organic, n.o.s.
	controlled	UN3268	Air bag inflators or Air bag modules or Seat-
UN3234	Self-reactive solid type C, temperature		belt pretensioners
	controlled	UN3269	Polyester resin kit
UN3235	Self-reactive liquid type D, temperature		Nitrocellulose membrane filters
	controlled	UN3271	Ethers, n.o.s.
UN3236	Self-reactive solid type D, temperature	UN3272	Esters, n.o.s.
	controlled		Nitriles, flammable, toxic, n.o.s.
UN3237	Self-reactive liquid type E, temperature		Alcoholates solution, n.o.s.
	controlled	UN3275	Nitriles, toxic, flammable, n.o.s.
UN3238	Self-reactive solid type E, temperature	UN3276	Nitriles, toxic, n.o.s.
	controlled	UN3277	Chloroformates, toxic, corrosive, n.o.s.
UN3239	Self-reactive liquid type F, temperature	UN3278	Organophosphorus compound, toxic, liquid
	controlled		n.o.s.
UN3240	Self-reactive solid type F, temperature	UN3279	Organophosphorus compound, toxic,
	controlled		flammable, n.o.s.
UN3241	2-Bromo-2-nitropropane-1,3-diol	UN3280	Organoarsenic compound, liquid n.o.s.
UN3242	Azodicarbonamide	UN3281	Metal carbonyls, n.o.s.
UN3243	Solids containing toxic liquid, n.o.s.	UN3282	Organometallic compound, toxic liquid n.o.s.
UN3244	Solids containing corrosive liquid, n.o.s.		
UN3246	Methanesulfonyl chloride	UN3283	Selenium compound, solid, n.o.s.
UN3247	Sodium peroxoborate, anhydrous	UN3284	Tellurium compound, n.o.s.
UN3248	Medicine, liquid, flammable, toxic, n.o.s.	UN3285	Vanadium compound, n.o.s.
UN3249	Medicine, solid, toxic, n.o.s.	UN3286	Flammable liquid, toxic, corrosive, n.o.s.
UN3250		UN3287	Toxic liquid, inorganic, n.o.s.
	Isosorbide-5-mononitrate		Toxic solid, inorganic, n.o.s.
	Difluoromethane or Refrigerant gas R 32	UN3289	Toxic liquid, corrosive, inorganic, n.o.s.
UN3253	Disodium trioxosilicate	UN3290	Toxic solid, corrosive, inorganic, n.o.s.
UN3254	Tributylphosphane	UN3291	Regulated medical waste
UN3255	tert-Butyl hypochlorite	UN3292	Batteries, containing sodium
UN3256	Elevated temperature liquid, flammable,	UN3292	Cells, containing sodium
	n.o.s.	UN3293	Hydrazine, aqueous solution
UN3257	Elevated temperature liquid, n.o.s	UN3294	Hydrogen cyanide, solution in alcohol
UN3258	Elevated temperature solid, n.o.s.	UN3295	Hydrocarbons, liquid, n.o.s.
	- ,		

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

#### **ID NO. PROPER SHIPPING NAME** ID NO. PROPER SHIPPING NAME UN3296 Heptafluoropropane or UN3331 Radioactive material, transported under special Refrigerant gas R 227 arrangement, fissle UN3332 Radioactive material, Type A package, special UN3297 Ethylene oxide and chlorotetrafluoroethane mixture form UN3298 Ethylene oxide and pentafluoroethane mixtuna333 Radioactive material, Type A package, special form, fissle UN3334 Aviation regulated liquid, n.o.s. **UN3299** Ethylene oxide and tetrafluoroethane mixture UN3335 Aviation regulated solid, n.o.s. UN3300 Ethylene oxide and carbon dioxide UN3336 Mercaptans, liquid, flammable, n.o.s. or Mercaptan mixtures, liquid, flammable, n.o.s. mixture UN3337 Refrigerant gas R 404A UN3301 Corrosive liquid, self-heating, n.o.s. UN3338 Refrigerant gas R 407A UN3302 2-Dimethylaminoethyl acrylate UN3339 Refrigerant gas R 407B UN3303 Compressed gas, toxic, oxidizing, n.o.s. UN3340 Refrigerant gas R 407C UN3304 Compressed gas, toxic, corrosive, n.o.s. UN3341 Thiourea dioxide UN3305 Compressed gas, toxic, flammable, UN3342 Xanthates corrosive, n.o.s. UN3306 Compressed gas, toxic, oxidizing, UN3343 Nitroglycerin mixture desensitized, liquid, corrosive, n.o.s. flammable, n.o.s. UN3344 UN3307 Liquefied gas, toxic, oxidizing, n.o.s. Pentaerythrite tetranitrate mixture, UN3308 Liquefied gas, toxic, corrosive, n.o.s. desensitized, solid, n.o.s. Liquefied gas, toxic, flammable, corrosive, UN3345 UN3309 Phenoxyacetic acid derivative pesticide, solid, toxic n.o.s. UN3346 Phenoxyacetic acid derivative pesticide, liquid, UN3310 Liquefied gas, toxic, oxidizing, corrosive, n.o.s. flammable, toxic UN3311 Gas, refrigerated liquid, oxidizing, n.o.s. UN3347 Phenoxyacetic acid derivative pesticide, liquid, UN3312 Gas, refrigerated liquid, flammable, n.o.s toxic, flammable UN3313 Organic pigments, self-heating UN3348 Phenoxyacetic acid derivative pesticide, liquid, **UN3314** Plastic molding compound toxic UN3316 Chemical kits or First aid kits UN3349 Pyrethroid pesticide, solid, toxic UN3317 2-Amino-4,6-Dinitrophenol, wetted UN3350 Pyrethroid pesticide, liquid, flammable, toxic **UN3318** Ammonia, solution UN3351 Pyrethroid pesticide, liquid, flammable, toxic UN3319 Nitroglycerin mixture desensitized, UN3352 Pyrethroid pesticide, liquid, toxic solid, n.o.s. UN3354 Insecticide gases, flammable, n.o.s. UN3320 Sodium borohydride and sodium UN3355 Insecticide gases, toxic, flammable, n.o.s. hydroxide solution UN3356 Oxygen generator chemical UN3321 Radioactive material, low specific activity UN3357 Nitroglycerin mixture, desensitized, liquid n.o.s. (LSA-II) UN3322 Radioactive material, low specific activity **UN3358** Refrigerating machines (LSA-III) UN3360 Fibers, vegetable UN3327 Radioactive material, Type A package, UN3361 Chlorosilanes, toxic, corrosive, n.o.s. fissle UN3362 Chlorosilanes, toxic, corrosive, flammable, UN3328 Radioactive material, Type B(U) package, fissle n.o.s. UN3363 Dangerous Goods in Machinery or Dangerous UN3329 Radioactive material, Type B(M) package, fissle **Goods in Apparatus**

136

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

### ID NO. PROPER SHIPPING NAME

**ID NO. PROPER SHIPPING NAME** 

UN3364	Trinitrophenol (picric acid), wetted	UN3396	Organometallic substance, solid, water-
UN3365			reactive, flammable
UN3366		UN3397	Organometallic substance, solid, water-
UN3367	Trinitrobenzene, wetted		reactive, self-heating
UN3368	Trinitrobenzoic acid, wetted	UN3398	Organometallic substance, liquid, water-
UN3369	Sodium dinitro-o-cresolate, wetted		reactive
UN3370	Urea nitrate, wetted	UN3399	Organometallic substance, liquid, water-
UN3371	2-Methlybutanal		reactive, flammable
UN3375	Ammonium nitrate emulsion or	UN3400	Organometallic substance, solid, self-heating
	Ammonium nitrate suspension or	UN3401	Alkali metal amalgam, solid
	Ammonium nitrate gel	UN3402	Alkaline earth metals amalgams, solid
UN3376	4-Nitrophenylhydrazine	UN3403	Potassium, metal alloys, solid
UN3377	Sodium perborate monohydrate		Potassium sodium alloys, solid
UN3378	Sodium carbonate peroxyhydrate	UN3405	•
UN3379	Desensitized explosive, liquid, n.o.s.	UN3406	Barium perchlorate, solution
UN3380			Chlorate and magmesium chloride mixture
UN3381	Toxic by inhalation liquid, n.o.s.		solution
UN3382		UN3408	Lead perchlorate, solution
UN3383			Chloronitrobenzene, liquid
	n.o.s.		4-Chloro-o-toluidine hydrochloride, solution
UN3384	Toxic by inhalation liquid, flammable,		beta-Naphthylamine solution
	n.o.s.		Potassium cyanide solution
UN3385	Toxic by inhalation liquid,	UN3414	Sodium cyanide solution
	water-reactive, n.o.s.	UN3415	Sodium fluoride solution
UN3386	· · · · · · · · · · · · · · · · · · ·	UN3416	Chloroacetophenone, liquid
	water-reactive, n.o.s.		Xylyl bromide, solid
UN3387	Toxic by inhalation liquid, oxidizing,		2, 4-Toluylenediamine solution or 2, 4-
	n.o.s.		Toluenediamine solution
UN3388	Toxic by inhalation liquid, oxidizing,	UN3419	Boron trifluoride acetic acid complex, solid
11112200	n.o.s.		
UN3389	Toxic by inhalation liquid, corrosive,	UN3420	Boron trifluoride propionic acid complex, soli
UN3390	n.o.s. Taxia hy inhelation liquid connective		
0110070	Toxic by inhalation liquid, corrosive, n.o.s.	UN3421	Potassium hydrogendifluoride solution
UN3391			Potassium fluoride solution
	pyrophoric	UN3423	Tetramethylammonium hydroxide, solid
UN3392	Organometallic substance, liquid,	UN3424	Ammonium dinitro-o-cresolate solution
	pyrophoric	UN3425	Bromoacetic acid, solid
UN3393		UN3426	Acrylamide solution
	pyrophoric, water-reactive	UN3427	Chlorobenzl chlorides, solid
UN3394		UN3428	3-Chloro-4-methylphenyl isocyanate, solid
	pyrophoric, water-reactive	UN3429	Chlorotoluidines, liquid
UN3395		UN3430	Xylenols, liquid
	water-reactive		Nitrobenzotrifluorides, solid
			Polychlorinated biphenyls, solid
			Lithium alkyls, solid
		I	• /

The identification number cross reference index to proper shipping names in 172.101 is provided for information purposes only. Words in italics are not part of the shipping name, but may be used in addition to the proper shipping name.

ID NO	. PROPER SHIPPING NAME	ID NO.	PROPER SHIPPING NAME
UN3434	Nitrocresols, liquid		
UN3435	Hydroquinone solution		
	Hexafluoroacetone hydrate, solid		
	Chlorocresols, solid		
UN3438	alpha-Methylbenzyl alcohol, solid		
	Nitriles, toxic, solid, n.o.s.		
UN3440	Selenium compound, liquid, n.o.s.		
UN3441	Chlorodinitro-benzenes, solid		
UN3442	Dichloroanilines, solid		
UN3443	Dinitrobenzenes, solid		
	Nicotine hydrochloride, solid		
	Nicotine sulphate, solid		
	Nitrotoluenes, solid		
UN3447	Nitroxylenes, solid		
UN3448	Tear gas substance, solid, n.o.s.		
UN3449	Bromobenzyl cyanides, solid		
UN3450	Diphenyl-chloroarsine, solid		
UN3451	Toluidines, solid		
UN3452	Xylidines, solid		
UN3453	Phosphoric acid, solid		
UN3454	Dinitrotoluenes, solid		
UN3455	Cresols, solid		
UN3456	Nitrosylsulphuric acid, solid		
	Chloronitroltoluenes, solid		
UN3458	Nitroanisoles, solid		
UN3459	Nitrobromobenzenes, solid		
UN3460	N-Ethylbenzyltoluidines, solid		
	Aluminium alkyl halides, solid		
UN3462	Toxins, extracted from living source, solid, n.o.s.		
UN3464			
	solid, n.o.s.		
UN3465	Organoarsenic compound, solid, n.o.s.		
	Metal carbonyls, solid, n.o.s.		
	Organometallic compound, toxic, solid,		
	n.o.s.		
UN3468	Hydrogen in a metal hydride storage		
	system		
		1	

# How to Read the FedEx Ground Hazardous Materials Table

The FedEx Ground Hazardous Materials Table lists and classifies materials which the Department of Transportation has determined to be hazardous materials for the purposes of transportation and prescribes the requirements for shipping papers, packaging, marking, and the labeling of the hazardous materials.

The FedEx Ground Hazardous Materials Table is the focal point for determining the requirements applicable to the shipment of hazardous materials in accordance with DOT regulations and FedEx Ground requirements.

For each listed material, the Table identifies the hazard class or specifies that the material is forbidden in transportation, and gives the proper shipping name, or directs the user to the preferred shipping name. In addition, the Table specifies or references requirements in the Hazardous Materials Regulations pertaining to labeling and packaging of hazardous materials.

The FedEx Ground Hazardous Materials Table is a listing of hazardous materials which is made up of ten (10) columns:

- (1) Symbols
- (2) Hazardous Materials Descriptions and Proper Shipping Names
- (3) Hazard Class or Division
- (4) Identification Numbers
- (5) Packing Group
- (6) Label(s) Codes Required (if not exempted or excepted)
- (7) Special Provisions
- (8) Packaging Authorizations
   (8A) Packaging Exceptions
   (8B) Non-Bulk Packaging Requirements
- (9) FedEx Ground Restrictions

# Column (1) Symbols

There are six (6) symbols which may be present in the column ("+", "A", "D", "I", "G" and "W)

(1) The plus (+) sign fixes the proper shipping name, hazard class and packing group for that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class definition. When the plus sign is assigned to a proper shipping name in Column (1) of the 49CFR 172.101 Table, it means that the material is known to pose a risk to humans. When a plus sign is assigned to mixtures or solutions containing a material where the hazard to humans is significantly different from that of the pure material or where no hazard to humans is posed, the material may be described using an alternative shipping name that represents the hazards posed by the material. An appropriate

alternate proper shipping name and hazard class may be authorized by the Associate Administrator.

(2) The letter **"A"** denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by an "A" may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

(3) The letter **"D"** identifies proper shipping names which are appropriate for describing materials for domestic transportation but may be inappropriate for international transportation under the provisions of international regulations (e.g., IMO, ICAO). An alternate proper shipping name may be selected when either domestic or international transportation is involved.

(4) The letter **"G"** identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description. (See 49CFR 172.203(k).)

(5) The letter **"I"** identifies proper shipping names which are appropriate for describing materials in international transportation. An alternate proper shipping name may be selected when only domestic transportation is involved.

(6) The letter **"W"** denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by vessel, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by a "W" may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

# Column (2) Hazardous Materials Descriptions and Proper Shipping Names

This column lists the hazardous materials descriptions and proper shipping names of hazardous materials. Proper shipping names are limited to those shown in Roman lettering (not *italics*). Modification of a proper shipping name may be required or authorized. These modifications may be authorized when completing the documentation:

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters. Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the IMDG Code. For example "aluminum" may be spelled "aluminium" and "sulfur" may be spelled "sulphur". However, the word "inflammable" may not be used in place of the word "flammable"

# Example:

Paint related material or PAINT RELATED MATERIAL

(2) Punctuation marks and words in italics are not part of the proper shipping name, but may be used in addition to the proper shipping name. The word "or" in italics indicates that terms in the sequence may be used as the proper shipping name, as appropriate.

# Example:

Paint, *including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base* (portion in italics is not necessary but may be used).

- (3) The word "poison" or "poisonous" may be used interchangeably with the word "toxic" when only domestic transportation is involved. The abbreviation "n.o.i." or "n.o.i.b.n." may be used interchangeably with "n.o.s.".
- (4) Except for hazardous wastes, when qualifying words are used as part of the proper shipping name, their sequence in the package markings and shipping paper description is optional. However, the entry in the Table reflects the preferred sequence.
- (5) When one entry references another entry by use of the word "see", if both names are in Roman type, either name may be used as the proper shipping name.

# Example:

# Methyl alcohol, see Methanol

- (6) When a proper shipping name includes a concentration range as part of the shipping description, the actual concentration, if it is within the range stated, may be used in place of the concentration range. For example, an aqueous solution of hydrogen peroxide containing 30 percent peroxide may be described as "Hydrogen peroxide, aqueous solution with not less than 20 percent but not more than 40 percent hydrogen peroxide" or "Hydrogen peroxide, aqueous solution with 30 percent hydrogen peroxide".
- (7) Use of the prefix "mono" is optional in any shipping name, when appropriate. Thus, lodine monochloride may be used interchangeably with lodine chloride. In "Glycerol alpha-monochlorohydrin" the term "mono" is considered a prefix to the term "chlorohydrin" and may be deleted.
- (8) Use of the word "liquid" or "solid". The word "liquid" or "solid" may be added to a proper shipping name when a hazardous material specifically listed by name

may, due to differing physical states, be a liquid or solid. When the packaging specified in Column 8 is inappropriate for the physical state of the material, the table provided in paragraph (i)(4) of this section should be used to determine the appropriate packaging section.

- (9) Hazardous wastes . If the word "waste" is not included in the hazardous material description in Column 2 of the Table, the proper shipping name for a hazardous waste (as defined in 49CFR 171.8 of this subchapter), shall include the word "Waste" preceding the proper shipping name of the material. For example: Waste acetone.
- (10) Mixtures and solutions
  - (i) A mixture or solution not identified specifically by name, comprised of a hazardous material identified in the Table by technical name and nonhazardous material, shall be described using the proper shipping name of the hazardous material and the qualifying word "mixture" or "solution", as appropriate, unless
    - (A) Except as provided in 49CFR 172.101(i)(4) the packaging specified in Column 8 is inappropriate to the physical state of the material;
    - (B) The shipping description indicates that the proper shipping name applies only to the pure or technically pure hazardous material;
    - (C) The hazard class, packing group, or subsidiary hazard of the mixture or solution is different from that specified for the entry;
    - (D)There is a significant change in the measures to be taken in emergencies;
    - (E) The material is identified by special provision in Column 7 of the 49CFR 172.101 Table as a material poisonous by inhalation; however, it no longer meets the definition of poisonous by inhalation or it falls within a different hazard zone than that specified in the special provision; or
    - (F) The material can be appropriately described by a shipping name that describes its intended application, such as "Coating solution", "Extracts, flavoring" or "Compound, cleaning liquid".
  - (ii) If one or more of the conditions specified in paragraph (c)(10)(i) of this section is satisfied, then a proper shipping name shall be selected as prescribed in paragraph (c)(12)(ii) of this section.
  - (iii) A mixture or solution not identified in the Table specifically by name, comprised of two or more hazardous materials in the same hazard class, shall be described using an appropriate shipping description (e.g., "Flammable liquid, n.o.s."). The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as "Alcohol, n.o.s." rather than "Flammable liquid, n.o.s.". Some mixtures may be more appropriately described according to their application, such as "Coating solution" or "Extracts, flavoring liquid" rather than by an n.o.s. entry. Under the provisions of

subparts C and D of this part, the technical names of at least two components most predominately contributing to the hazards of the mixture or solution may be required in association with the proper shipping name.

- (11) Except for a material subject to or prohibited by 49CFR 173.21, 173.54, 173.56(d), 173.56(e), 173.224(c) or 173.225(b) of this subchapter, a material that is considered to be a hazardous waste or a sample of a material for which the hazard class is uncertain and must be determined by testing may be assigned a tentative proper shipping name, hazard class, identification number and packing group, if applicable, based on the shipper's tentative determination according to:
  - (i) If it is specifically determined that a material meets the definition of a hazard class, packing group or hazard zone, other than the class, packing group or hazard zone shown in association with the proper shipping name, or does not meet the defining criteria for a subsidiary hazard shown in Column 6 of the Table, the material shall be described by an appropriate proper shipping name listed in association with the correct hazard class, packing group, hazard zone, or subsidiary hazard for the material.
  - (ii) Generic or n.o.s. descriptions. If an appropriate technical name is not shown in the Table, selection of a proper shipping name shall be made from the generic or n.o.s. descriptions corresponding to the specific hazard class, packing group, hazard zone, or subsidiary hazard, if any, for the material. The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as "Alcohol, n.o.s." rather than "Flammable liquid, n.o.s.". Some mixtures may be more appropriately described according to their application, such as "Coating solution" or "Extracts, flavoring, liquid", rather than by an n.o.s. entry, such as "Flammable liquid, n.o.s." It should be noted, however, that an n.o.s. description as a proper shipping name may not provide sufficient information for shipping papers and package markings. Under the provisions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in association with the proper shipping name.
  - (iii) Multiple hazard materials . If a material meets the definition of more than one hazard class, and is not identified in the Table specifically by name (e.g., acetyl chloride), the hazard class of the material shall be determined by using the precedence specified in 49CFR 173.2a of this subchapter, and an appropriate shipping description (e.g., "Flammable liquid, corrosive n.o.s.") shall be selected as described in paragraph (c)(12)(ii) of this section.
  - (iv) If it is specifically determined that a material is not a forbidden material and does not meet the definition of any hazard class, the material is not a hazardous material.
- (12) Except when the proper shipping name in the Table is preceded by a plus (+)
  - (i) If it is specifically determined that a material meets the definition of a hazard class, packing group or hazard zone, other than the class, packing

group or hazard zone shown in association with the proper shipping name, or does not meet the defining criteria for a subsidiary hazard shown in Column 6 of the Table, the material shall be described by an appropriate proper shipping name listed in association with the correct hazard class, packing group, hazard zone, or subsidiary hazard for the material.

- Generic or n.o.s. descriptions. If an appropriate technical name is not (ii) shown in the Table, selection of a proper shipping name shall be made from the generic or n.o.s. descriptions corresponding to the specific hazard class, packing group, hazard zone, or subsidiary hazard, if any, for the material. The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as "Alcohol, n.o.s." rather than "Flammable liquid, n.o.s.". Some mixtures may be more appropriately described according to their application, such as "Coating solution" or "Extracts, flavoring, liquid", rather than by an n.o.s. entry, such as "Flammable liquid, n.o.s." It should be noted, however, that an n.o.s. description as a proper shipping name may not provide sufficient information for shipping papers and package markings. Under the provisions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in association with the proper shipping name.
- (iii) Multiple hazard materials . If a material meets the definition of more than one hazard class, and is not identified in the Table specifically by name (e.g., acetyl chloride), the hazard class of the material shall be determined by using the precedence specified in 49CFR 173.2a of this subchapter, and an appropriate shipping description (e.g., "Flammable liquid, corrosive n.o.s.") shall be selected as described in paragraph (c)(12)(ii) of this section.
- (iv) If it is specifically determined that a material is not a forbidden material and does not meet the definition of any hazard class, the material is not a hazardous material.
- (13) Self-reactive materials and organic peroxides. A generic proper shipping name for a self-reactive material or an organic peroxide, as listed in Column 2 of the Table, must be selected based on the material's technical name and concentration, in accordance with the provisions of §§ 173.224 or 173.225 of this subchapter, respectively.
- (14) A proper shipping name that describes all isomers of a material may be used to identify any isomer of that material if the isomer meets criteria for the same hazard class or division, subsidiary risk(s) and packing group, unless the isomer is specifically identified in the Table.
- (15) Unless a hydrate is specifically listed in the Table, a proper shipping name for the equivalent anhydrous substance may be used, if the hydrate meets the same hazard class or division, subsidiary risk(s) and packing group.

(16) Unless it is already included in the proper shipping name in the 49CFR 172.101 Table, the qualifying words "liquid" or "solid" may be added in association with the proper shipping name when a hazardous material specifically listed by name in the 49CFR 172.101 Table may, due to the differing physical states of the various isomers of the material, be either a liquid or a solid (for example "Dinitrotoluenes, liquid" and "Dinitrotoluenes, solid"). Use of the words "liquid" or "solid" is subject to the limitations specified for the use of the words "mixture" or "solution" in paragraph (c)(10) of this section. The qualifying word "molten" may be added in association with the proper shipping name when a hazardous material, which is a solid in accordance with the definition in 49CFR 171.8 of this subchapter, is offered for transportation in the molten state (for example, "Alkylphenols, solid, n.o.s., molten").

### **Column (3) Hazard Class or Division**

Column 3: Hazard class or Division. Column 3 contains a designation of the hazard class or division corresponding to each proper shipping name, or the word "Forbidden".

- (1) A material for which the entry in this column is "Forbidden" may not be offered for transportation or transported. This prohibition does not apply if the material is diluted, stabilized or incorporated in a device and it is classed in accordance with the definitions of hazardous materials contained in part 173 of this subchapter.
- (2) When a reevaluation of test data or new data indicates a need to modify the "Forbidden" designation or the hazard class or packing group specified for a material specifically identified in the Table, this data should be submitted to the Associate Administrator.
- (3) A basic description of each hazard class and the section reference for class definitions appear in 49CFR 173.2 of this subchapter.
- (4) When an entry in this column reads "Comb liq", the material is assigned to the hazard class "Combustible liquid." Additionally, each reference to a Class 3 material is modified to read "Combustible liquid" when that material is reclassified in accordance with 49CFR 173.150(e) or (f) of this subchapter or has a flash point above 60.5 °C (141 °F) but below 93 °C (200 °F).

### **Column (4) Identification Numbers**

Identification number. Column 4 lists the identification number assigned to each proper shipping name. Those preceded by the letters "UN" are associated with proper shipping names considered appropriate for international transportation as well as domestic transportation. Those preceded by the letters "NA" are associated with proper shipping names not recognized for international transportation, except to and from Canada. Identification numbers in the "NA9000" series are associated with proper shipping names not appropriately covered by international hazardous materials (dangerous goods) transportation

standards, or not appropriately addressed by international transportation standards for emergency response information purposes, except for transportation between the United States and Canada.

# Column (5) Packing Group

Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. Packing Groups I, II and III indicate the degree of danger presented by the material is either great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter "A" or "W", is modified to read "III" on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to requirements of this subchapter.

**Note**: If the hazardous material belongs to Class 2 (Flammable and Non-flammable gas) or Class 7 (Radioactive), there is no packing group. The shipper can either leave this space "blank" or place a "-----" or "N/A" in this column on FedEx Ground shipping papers (OP-900 and OP-950).

### Column (6) Label Code

Column 6 specifies codes which represent the hazard warning labels required for a package filled with a material conforming to the associated hazard class and proper shipping name, unless the package is otherwise excepted from labeling by a provision in subpart E of this part, or part 173 of this subchapter. The first code is indicative of the primary hazard of the material. Additional label codes are indicative of subsidiary hazards. Provisions in 49CFR 172.402 may require that a label other than that specified in Column 6 be affixed to the package in addition to that specified in Column 6. No label is required for a material classed as a combustible liquid or for a Class 3 material that is reclassed as a combustible liquid. For "Empty" label requirements, see 49CFR 173.428 of this subchapter. The codes contained in Column 6 are defined according to the following table:

Hazard Class or Division	Label Name
1.1	Explosive 1.1*
1.2	Explosive 1.2*
1.3	Explosive 1.3*
1.4	Explosive 1.4
1.5	Explosive 1.5*
1.6	Explosive 1.6
2.1	Flammable Gas
2.2	Non-Flammable Gas
2.3	Poison Gas*
3	Flammable Liquid
4.1	Flammable Solid
4.2	Spontaneously Combustible
4.3	Dangerous When Wet*
5.1	Oxidizer
5.2	Organic Peroxide
6.1	Poison*
6.2	Infectious Substance*
7	Radioactive**
8	Corrosive
9	Class 9

# LABEL CODE IDENTIFICATION TABLE

\*\* FedEx Ground will only accept Radioactive White I label.

Note: See column 9 of the table for FedEx Ground Restrictions.

### **Column (7) Special Provisions**

This column contains special provisions which are contained in Section 172.102 of the Hazardous Materials Regulations. They are special instructions which are applicable to the referenced hazardous materials. Only those materials with numbers or preceded by "N" are applicable to FedEx Ground shipments.

**<u>Note</u>**: A list of the applicable Special Provision Codes are included in this guide starting on page 25.

# **Column (8) Packaging Authorizations**

This column is divided into two separate columns:

Column 8A Exceptions Column 8B NonBulk Packaging

Columns 8A and 8B indicate the appropriate packaging instructions as indicated in 49 CFR 173.\*\*\*. If a number appears in this column for example 150, the user is instructed to refer to 49 CFR 173.150 for specific details regarding exceptions that may be authorized for the hazardous material to which the entry corresponds. If "None" appears in column 8A, no exception apply. The material must be packaged under column 8B or if further restriction apply, column 9. Hazardous materials that are shipped under the Limited Quantity exception packaging rule in Column 8A of the FedEx Ground Hazardous Materials Table are not subject to labeling (except for 6.1 materials) and placarding requirements; although "Limited Quantity" or "Ltd. Qty." must appear on the shipping papers after the basic description. This guide has included pertinent sections of the 49 CFR for your convenience.

# **Column (9) FedEx Ground Restrictions**

This column identifies FedEx Ground restrictions and additional comments. The following restrictions may apply:

- Not Accepted by FedEx Ground: This material has been determined by FedEx Ground to pose an unreasonable risk to our employees based on the hazard associated with the material. These materials are Not Accepted by FedEx Ground.
- **May not be regulated via highway:** This material may not be regulated for various reasons. The material may only be regulated via vessel or aircraft only. It is the shippers responsibility to determine if their material is not regulated via FedEx Ground. Please refer to applicable sections of the 49 CFR for all hazardous materials.
- Accepted only when package under 49 CFR §173.320: FedEx Ground will only accept the material when packaged and prepared in accordance with 49 CFR §173.320.
- Accepted only when packaged under applicable Special Permit or 49 CFR §173.13: FedEx Ground will only accept these materials when packaged and prepared under one of two types of packaging methods:
  - 1) Exception -49 CFR §173.13: Materials may be packaged and prepared under the federal guidelines as stated in 49 CFR 173.13. FedEx Ground will know the shipper has complied with this packaging exception by marking the outer package as well as the shipping paper (OP-900) and certification form (OP-950) with the statement: "This package conforms to 49CFR 173.13". This exception will relieve the shipper from labeling and the carrier from placarding requirements if prepared in accordance with 49 CFR 173.13.

2) <u>Special Permit</u>: Materials may be packaged and prepared in accordance with an authorized DOT Special Permit. These types of packages can be obtained through certain package suppliers or manufactures. These packages, because of their design and durability, have been granted a DOT special permit. When packaged, the shipper will be required to follow the guideline of the Special Permit as well as indicate on the shipping paper (OP-900) and certification form (OP-950) the DOT.-SP---- number. This Special Permit will relieve the shipper from labeling requirements and the carrier from placarding requirements.

#### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments					Packaging (§173.***)				
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)	
	Accellerene,see p-Nitrosodimethylaniline									
	Accumulators, electric, see Batteries, wet etc.									
	Accumulators, pressurized, pneumatic or hydraulic, containing non-									
	flammable gas, see Articles pressurized, pneumatic or hydraulic									
	containing non-flammable gas									
	Acetal	3	UN1088	П	FLAMMABLE LIQUID		150	202		
	Acetaldehyde	3	UN1089	Ι	FLAMMABLE LIQUID		None	201		
Α	Acetaldehyde ammonia	9	UN1841	Ш	CLASS 9		155	204	May not be regulated via highway	
	Acetaldehyde oxime	3	UN2332	ш	FLAMMABLE LIQUID		150	203		
	Acetic acid, glacial or Acetic acid solution, with more than 80 percent	8 (3)	UN2789	п	CORROSIVE, FLAMMABLE LIQUID		154	202		
	acid, by mass	8 (3)	UN2789		CORROSIVE, FLAMMABLE EIQUID		154	202		
	Acetic acid solution, not less than 50 percent but not more than 80	8	UN2790	п	CORROSIVE		154	202		
	percent acid, by mass	0	0112790	'n	CORROSIVE		134	202		
	Acetic acid solution, with more than 10 percent and less than 50 percent	8	UN2790	ш	CORROSIVE		154	203		
	acid, by mass	o	UN2790	m	CORROSIVE		154	203		
	Acetic anhydride	8 (3)	UN1715	Π	CORROSIVE, FLAMMABLE LIQUID		154	202		
	Acetone	3	UN1090	Π	FLAMMABLE LIQUID		150	202		
	Acetone cyanohydrin, stabilized	6.1	UN1541	I	POISON	2,N34	None	227	Not Accepted by FedEx Ground	
	Acetone oils	3	UN1091	Π	FLAMMABLE LIQUID		150	202		
	Acetonitrile	3	UN1648	п	FLAMMABLE LIQUID		150	202		
	Acetyl acetone peroxide with more than 9 percent by mass active oxygen	Forbid- den								
	Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution	Forbid- den								
	Acetyl bromide	8	UN1716	п	CORROSIVE		154	202		
	Acetyl chloride	3 (8)	UN1717	П	FLAMMABLE LIQUID, CORROSIVE	N34	150	202		
	Acetyl cyclohexanesulfonyl peroxide, with more than 82 percent wetted with less than 12 percent water	Forbid- den								
	Acetylene, dissolved	2.1	UN1001		FLAMMABLE GAS		None	303		
	Acetylene (liquefied)	Forbid- den								
	Acetylene silver nitrate	Forbid- den								
	Acetylene tetrabromide, see Tetrabromoethane									
	Acetyl iodide	8	UN1898	Π	CORROSIVE		154	202		
	Acetyl methyl carbinol	3	UN2621	III	FLAMMABLE LIQUID		150	203		
	Acetyl peroxide, solid, or with more than 25 percent in solution	Forbid- den								
	Acid butyl phosphate, see Butyl acid phosphate									
	Acid, sludge, see Sludge acid									
	Acridine	6.1	UN2713	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13	
	Acrolein dimer, stabilized	3	UN2607	ш	FLAMMABLE LIQUID**		150	203	Not to exceed 1 lb. (0.454kg) per package-see RQ Table	
	Acrolein, stabilized	6.1 (3)	UN1092	Ι	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground	
	Acrylamide, solid	6.1	UN2074	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13	
	Acrylamide solution	6.1	UN3426	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13	
	Acrylic acid, stabilized	8 (3)	UN2218	П	CORROSIVE, FLAMMABLE LIQUID		154	202		

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Acrylonitrile, stabilized	3 (6.1)	UN1093	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Actuating cartridge, explosive, see Cartridges, power device								
	Adhesives, containing a flammable liquid	3	UN1133	Ι	FLAMMABLE LIQUID		150	201	
	Adhesives, containing a flammable liquid	3	UN1133 UN1133	п ш	FLAMMABLE LIQUID FLAMMABLE LIQUID		150 150	173 173	
	Adhesives, containing a flammable liquid Adiponitrile	6.1	UN1133 UN2205	ш	POISON**		150	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Aerosols</b> , corrosive, Packing Group II or III, (each not exceeding 1 L capacity)	2.2 (8)	UN1950		NONFLAMMABLE GAS, CORROSIVE		306	None	special permit of 49CFK 175.13
	Aerosols, flammable, (each not exceeding 1 L capacity)	2.1	UN1950		FLAMMABLE GAS	N82	306	None	
	<b>Aerosols, flammable, n.o.s.</b> (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950		FLAMMABLE GAS	N82	306	304	
	Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.2	UN1950		NONFLAMMABLE GAS		306	None	
	Aerosols, poison, each not exceeding 1 L capacity	2.2 (6.1)	UN1950		NONFLAMMABLE GAS, POISON**		306	None	Accepted only when packaged under applicable special permit or 49CFR 173.13
Ι	Air bag inflators, or Air bag modules, or Seat-belt pretensioners	1.4G	UN0503	п	EXPLOSIVE 1.4G	161	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Air bag inflators, <i>or</i> Air bag modules, <i>or</i> Seat-belt pretensioners	9	UN3268	ш	CLASS 9	160	166	166	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.166)
	Air, compressed	2.2	UN1002		NONFLAMMABLE GAS	78	306	302	
	Aircraft engines (including turbines) see Engines, internal combustion								
	Aircraft evacuation slides, see Life saving appliances etc.								
	Aircraft hydraulic power unit fuel tank (containing a mixture of anhydrous hydrazine and monomethyl hydrazine) (M86 fuel)	3 (6.1,8)	UN3165	Ι	FLAMMABLE LIQUID, POISON**, CORROSIVE		None	172	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Aircraft survival kits, see Life saving appliances etc.								
	Air, refrigerated liquid, (cryogenic liquid)	2.2 (5.1)	UN1003		NONFLAMMABLE GAS, OXIDIZER**		320	316	Accepted only when packaged under 49CFR 173.320
	Air, refrigerated liquid (cryogenic liquid) non-pressurized	2.2 (5.1)	UN1003		NONFLAMMABLE GAS, OXIDIZER**		320	316	Accepted only when packaged under 49CFR 173.320
G	Alcoholates solution, n.o.s., in alcohol	3 (8)	UN3274	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Alcoholic beverages	3	UN3065	п	FLAMMABLE LIQUID**	24, 149	150	202	Accepted only intrastate when packaged under 49CFR 173.150 (c) or (d) and with specific approval through PGH Legal Department
	Alcoholic beverages	3	UN3065	ш	FLAMMABLE LIQUID**	24,N11	150	203	Accepted only intrastate when packaged under 49CFR 173.150 (c) or (d) and with specific approval through PGH Legal Department
G	Alcohols, flammable, toxic, n.o.s.	3 (6.1)	UN1986	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alcohols, flammable, toxic, n.o.s.	3 (6.1)	UN1986	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alcohols, flammable, toxic, n.o.s.	3 (6.1)	UN1986	ш	FLAMMABLE LIQUID, POISON**		150	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alcohols, n.o.s	3	UN1987	Ι	FLAMMABLE LIQUID	172	None	201	
_	Alcohols, n.o.s	3	UN1987	П	FLAMMABLE LIQUID	172	150	202	
	Alcohols, n.o.s	3	UN1987	ш	FLAMMABLE LIQUID	172	150	203	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym bols		Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Aldehydes, flammable, toxic, n.o.s.	3 (6.1)	UN1988	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Aldehydes, flammable, toxic, n.o.s.	3 (6.1)	UN1988	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Aldehydes, flammable, toxic, n.o.s.	3 (6.1)	UN1988	ш	FLAMMABLE LIQUID, POISON**		150	203	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Aldehydes, n.o.s.	3	UN1989	Ι	FLAMMABLE LIQUID		None	201	
	Aldehydes, n.o.s.	3	UN1989	П	FLAMMABLE LIQUID		150	202	
	Aldehydes, n.o.s.	3	UN1989	ш	FLAMMABLE LIQUID		150	203	Assented only when nealinged under applicable
	Aldol	6.1	UN2839	п	POISON** SPONTANEOUSLY COMBUSTIBLE,		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.2 (8)	UN3206	п	CORROSIVE	64	None	212	Not Accepted by FedEx Ground
G	Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.2 (8)	UN3206	ш	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE	64	None	213	Not Accepted by FedEx Ground
	Alkali metal alloys, liquid, n.o.s.	4.3	UN1421	I	DANGEROUS WHEN WET**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alkali metal amalgams, liquid	4.3	UN1389	I	DANGEROUS WHEN WET**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alkali metal amalgams, solid	4.3	UN3401	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alkali metal amides	4.3	UN1390	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Alkali metal dispersions, or Alkaline earth metal dispersions	4.3	UN1391	I	DANGEROUS WHEN WET**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s.								
G	Alkaline earth metal alcoholates, n.o.s.	4.2	UN3205	п	SPONTANEOUSLY COMBUSTIBLE	65	None	212	Not Accepted by FedEx Ground
G	Alkaline earth metal alcoholates, n.o.s.	4.2	UN3205	III	SPONTANEOUSLY COMBUSTIBLE	65	None	213	Not Accepted by FedEx Ground
	Alkaline earth metal alloys, n.o.s.	4.3	UN1393	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Alkaline earth metal amalgams, liquid	4.3	UN1392	I	DANGEROUS WHEN WET**	N34,N40	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alkaline earth metal amalgams, solid	4.3	UN1392	I	DANGEROUS WHEN WET**	N34,N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkaloids, liquid, n.o.s. or Alkaloid salts, liquid n.o.s.	6.1	UN3140	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkaloids, liquid, n.o.s. or Alkaloid salts, liquid n.o.s.	6.1	UN3140	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkaloids, liquid, n.o.s. or Alkaloid salts, liquid, n.o.s.	6.1	UN3140	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s. poisonous	6.1	UN1544	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkaloids, solid, n.o.s . or Alkaloid salts, solid, n.o.s. poisonous	6.1	UN1544	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s. poisonous	6.1	UN1544	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Alkylphenols, liquid, n.o.s . (including C2-C12 homologues)	8	UN3145	Ι	CORROSIVE		None	201	
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN3145	п	CORROSIVE		154	202	
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8		ш			154	203	
	Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430	I	CORROSIVE		None	211	
	Alkylphenols, solid, n.o.s. (including C2-C12 homologues) Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430 UN2430	п ш	CORROSIVE		154 154	212 213	
L	Prikyipitenois, sonu, incis. (incitating C2-C12 nomologues)	o	0112430		CORROSIVE	1	134	213	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Alkyl sulfonic acids, liquid or <b>Aryl sulfonic acids, liquid</b> with more than 5 percent free sulfuric acid	8	UN2584	п	CORROSIVE		154	202	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid	8	UN2586	ш	CORROSIVE		154	203	
	Alkyl sulfonic acids, solid or <b>Aryl sulfonic acids, solid,</b> with more than 5 percent free sulfuric acid	8	UN2583	п	CORROSIVE		154	212	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid, with not more than 5 percent free sulfuric acid	8	UN2585	ш	CORROSIVE		154	213	
	Alkylsulfuric acids	8	UN2571	П	CORROSIVE		154	202	
	Allethrin, see Pesticides, liquid, toxic, n.o.s.								
	Allyl acetate	3 (6.1)	UN2333	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Allyl alcohol	6.1 (3)	UN1098	I	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Allylamine	6.1 (3)	UN2334	I	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Allyl bromide	3 (6.1)	UN1099	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Allyl chloride	3 (6.1)	UN1100	I	FLAMMABLE LIQUID, POISON**		None	201	special permit or 49CFR 173.13
	Allyl chlorocarbonate, see Allyl chloroformate								
	Allyl chloroformate	6.1 (3,8)	UN1722	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2,N41	None	227	Not Accepted by FedEx Ground
	Allyl ethyl ether	3 (6.1)	UN2335	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Allyl formate	3 (6.1)	UN2336	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Allyl glycidyl ether	3	UN2219	ш			150	203	
	Allyl iodide	3 (8)	UN1723	Π	FLAMMABLE LIQUID, CORROSIVE	N34	150	202	
	Allyl isothiocyanate, stabilized	6.1 (3)	UN1545	П	POISON, FLAMMABLE LIQUID**	No.4	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Allyltrichlorosilane, stabilized	8 (3)	UN1724	П	CORROSIVE, FLAMMABLE LIQUID SPONTANEOUSLY COMBUSTIBLE,	N34	None	202	
	Aluminum alkyl halides, solid	4.2 (4.3)	UN3461	I	DANGEROUS WHEN WET SPONTANEOUSLY COMBUSTIBLE,	173	None	181	Not Accepted by FedEx Ground
	Aluminum alkyl halides, liquid	4.2 (4.3)	UN3052	I	DANGEROUS WHEN WET SPONTANEOUSLY COMBUSTIBLE,	173	None	181	Not Accepted by FedEx Ground
	Aluminum alkyl hydrides	4.2 (4.3)	UN3076	1	DANGEROUS WHEN WET SPONTANEOUSLY COMBUSTIBLE,	173	None	181	Not Accepted by FedEx Ground
	Aluminum alkyls Aluminum borohydride or Aluminum borohydride in devices	4.2 (4.3)	UN3051 UN2870	T	DANGEROUS WHEN WET SPONTANEOUSLY COMBUSTIBLE,	173	None None	181 181	Not Accepted by FedEx Ground Not Accepted by FedEx Ground
				-	DANGEROUS WHEN WET				
	Aluminum bromide, anhydrous	8	UN1725	Ш	CORROSIVE		154	212	
	Aluminum bromide, solution	8	UN2580	ш	CORROSIVE		154	203	
	Aluminum carbide	4.3	UN1394	п	DANGEROUS WHEN WET**	N41	151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Aluminum chloride, anhydrous	8	UN1726	п	CORROSIVE		154	212	
	Aluminum chloride, solution	8	UN2581	ш	CORROSIVE		154	203	
	Aluminum dross, wet or hot	Forbid- den							
	Aluminum ferrosilicon powder	4.3 (6.1)	UN1395	п	DANGEROUS WHEN WET, POISON**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Aluminum ferrosilicon powder	4.3 (6.1)	UN1395	ш	DANGEROUS WHEN WET, POISON**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Aluminum hydride	4.3	UN2463	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
D	Aluminum, molten	9	NA9260	ш	CLASS 9		None	None	Not Accepted by FedEx Ground
	Aluminum nitrate	5.1	UN1438	Ш	OXIDIZER		152	213	
	Aluminum phosphate solution, see Corrosive liquids, etc.								
	Aluminum phosphide	4.3 (6.1)	UN1397	Ι	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Aluminum phosphide pesticides	6.1	UN3048	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Aluminum powder, coated	4.1	UN1309	Π	FLAMMABLE SOLID		151	212	
	Aluminum powder, coated	4.1	UN1309	ш	FLAMMABLE SOLID		151	213	
	Aluminum powder, uncoated	4.3	UN1396	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Aluminum powder, uncoated	4.3	UN1396	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Aluminum resinate	4.1	UN2715	Ш	FLAMMABLE SOLID		151	213	
	Aluminum silicon powder, uncoated	4.3	UN1398	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Aluminum smelting by-products or Aluminum remelting by-products	4.3	UN3170	п	DANGEROUS WHEN WET**	128	None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Aluminum smelting by-products or Aluminum remelting by-products	4.3	UN3170	ш	DANGEROUS WHEN WET**	128	None	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Amatols, see Explosives, blasting, type B								
G	Amines, flammable, corrosive, n.o.s. <i>or</i> Polyamines, flammable, corrosive, n.o.s.	3 (8)	UN2733	I	FLAMMABLE LIQUID, CORROSIVE		None	201	
G	Amines, flammable, corrosive, n.o.s . or <b>Polyamines, flammable,</b> corrosive, n.o.s.	3 (8)	UN2733	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
G	Amines, flammable, corrosive, n.o.s. <i>or</i> Polyamines, flammable, corrosive, n.o.s.	3 (8)	UN2733	ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
G	<i>Amines, liquid, corrosive, flammable, n.o.s . or</i> <b>Polyamines, liquid, corrosive, flammable, n.o.s.</b>	8 (3)	UN2734	I	CORROSIVE, FLAMMABLE LIQUID	N34	None	201	
G	Amines, liquid, corrosive, flammable, n.o.s. <i>or</i> Polyamines, liquid, corrosive, flammable, n.o.s.	8 (3)	UN2734	п	CORROSIVE, FLAMMABLE LIQUID		None	202	
G	Amines, liquid, corrosive, n.o.s. or <b>Polyamines, liquid, corrosive, n.o.s.</b>	8	UN2735	I	CORROSIVE	N34	None	201	
G	Amines, liquid, corrosive, n.o.s. <i>or</i> Polyamines, liquid, corrosive, n.o.s.	8	UN2735	п	CORROSIVE		154	202	
G	Amines, liquid, corrosive, n.o.s. or <b>Polyamines, liquid, corrosive, n.o.s.</b>	8	UN2735	ш	CORROSIVE		154	203	
G	Amines, solid, corrosive, n.o.s. or Polyamines, solid, corrosive n.o.s.	8	UN3259	Ι	CORROSIVE		None	211	
G	Amines, solid, corrosive, n.o.s. or Polyamines, solid, corrosive n.o.s.	8	UN3259	Π	CORROSIVE		154	212	
G	Amines, solid, corrosive, n.o.s. or Polyamines, solid, corrosive n.o.s.	8	UN3259	ш	CORROSIVE		154	213	
	2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass	4.1	UN3317	I	FLAMMABLE SOLID	23, N41	None	211	
	2-Amino-4-chlorophenol	6.1	UN2673	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	2-Amino-5-diethylaminopentane	6.1	UN2946	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-(2-Aminoethoxy) ethanol	8	UN3055	ш	CORROSIVE		154	203	
	N-Aminoethylpiperazine	8	UN2815	ш	CORROSIVE		154	203	
+	Aminophenols (o-; m-; p-)	6.1	UN2512	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Aminopropyldiethanolamine, see Amines, etc.								
	n-Aminopropylmorpholine, see Amines, etc.								Accepted only when packaged under applicable
	Aminopyridines (o-; m-; p-)	6.1	UN2671	п	POISON**		153	212	special permit or 49CFR 173.13
D	Ammonia, anhydrous	2.2	UN1005		NON-FLAMMABLE GAS	13	None	304	Not Accepted by FedEx Ground
Ι	Ammonia, anhydrous	2.3 (8)	UN1005		POISON GAS, CORROSIVE	4	None	304	Not Accepted by FedEx Ground
D	<b>Ammonia, solution</b> relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.2	UN3318		NON-FLAMMABLE GAS	13	None	304	Not Accepted by FedEx Ground
I	Ammonia, solution relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.3 (8)	UN3318		POISON GAS, CORROSIVE	4	None	304	Not Accepted by FedEx Ground
	<b>Ammonia solutions</b> , relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia	8	UN2672	ш	CORROSIVE		154	203	
	Ammonia solutions , relative density less than 0.880 at 15 degrees C in water, with more than 35 percent but not more than 50 percent ammonia	2.2	UN2073		NONFLAMMABLE GAS		306	304	
	Ammonium arsenate	6.1	UN1546	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium azide	Forbid- den							
	Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid								
	Ammonium bifluoride solution, see Ammonium hydrogen difluoride, solution								
	Ammonium bromate	Forbid- den							
	Ammonium chlorate	Forbid- den							
	Ammonium dichromate	5.1	UN1439	п	OXIDIZER**		152	212	<b>Not to exceed 10 lb. (4.45kg) per package-</b> see RQ Table
	Ammonium dinitro-o-cresolate, solid	6.1	UN1843	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium dinitro-o-cresolate, solution	6.1	UN3424	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium dinitro-o-cresolate, solution	6.1	UN3424	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium fluoride	6.1	UN2505	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium fluorosilicate	6.1	UN2854	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium fulminate	Forbid- den							
	Ammonium hydrogendifluoride, solid	8	UN1727	Π	CORROSIVE	N34	154	212	
	Ammonium hydrogendifluoride, solution	8 (6.1)	UN2817	п	CORROSIVE, POISON**	N34	154	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium hydrogendifluoride, solution	8 (6.1)	UN2817	ш	CORROSIVE, POISON**	N3	154	203	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Ammonium hydrogen sulfate	8	UN2506	п	CORROSIVE		154	212	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Ammonium hydrosulfide, solution, see Ammonium sulfide solution								
D	Ammonium hydroxide, see Ammonia solutions, etc.								
	Ammonium metavanadate	6.1	UN2859	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium nitrate based fertilizers	5.1	UN2067	Ш	OXIDIZER	52	152	213	
AW	Ammonium nitrate based fertilizers	9	UN2071	Ш	CLASS 9	132	155	213	May not be regulated via highway
	Ammonium nitrate emulsion or Ammonium nitrate suspension or	5.1	UN3375	п	OXIDIZER**	147, 163	None	214	Accepted only with approval per Special Provision 147
D	Ammonium nitrate gel, intermediate for blasting explosives Ammonium nitrate-fuel oil mixture containing only prilled ammonium	1.5D	NA0331	п	EXPLOSIVE 1.5D		None	62	147 Not Accepted by FedEx Ground
	nitrate and fuel oil Ammonium nitrate, liquid (hot concentrated solution)	5.1	UN2426		OXIDIZER		Nono	None	Not Assented by FodEy Cround
	Ammonium nitrate, iiquid (not concentrated solution) Ammonium nitrate, with more than 0.2 percent combustible substances,	5.1	UN2426		OXIDIZER		None	None	Not Accepted by FedEx Ground
	including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D	UN0222	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Ammonium nitrate, with not more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	UN1942	ш	OXIDIZER		152	213	
	Ammonium nitrite	Forbid- den							
	Ammonium perchlorate	1.1D	UN0402	п	EXPLOSIVE 1.1D	107	None	62	Not Accepted by FedEx Ground
	Ammonium perchlorate	5.1	UN1442	Π	OXIDIZER	107	152	212	r v
	Ammonium permanganate	Forbid- den							
	Ammonium persulfate	5.1	UN1444	III	OXIDIZER		152	213	
	<b>Ammonium picrate</b> , dry or wetted with less than 10 percent water, by mass	1.1D	UN0004	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Ammonium picrate, wetted , with not less than 10 percent water, by mass	4.1	UN1310	I	FLAMMABLE SOLID**	23,N41	None	211	Not to exceed 10 lb. (4.45kg) per package- see RQ Table
	Ammonium polysulfide, solution	8 (6.1)	UN2818	п	CORROSIVE, POISON**		154	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium polysulfide, solution	8 (6.1)	UN2818	ш	CORROSIVE, POISON**		154	203	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Ammonium polyvanadate	6.1	UN2861	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammonium silicofluoride, see Ammonium fluorosilicate								
	Ammonium sulfide solution	8 (6.1,3)	UN2683	п	CORROSIVE, POISON, FLAMMABLE LIQUID**		154	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammunition, blank, see Cartridges for weapons, blank								
	<b>Ammunition, illuminating</b> with or without burster, expelling charge or propelling charge	1.2G	UN0171	п	EXPLOSIVE 1.2G			62	Not Accepted by FedEx Ground
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.3G	UN0254	п	EXPLOSIVE 1.3G			62	Not Accepted by FedEx Ground
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.4G	UN0297	п	EXPLOSIVE 1.4G			62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.3J	UN0247	п	EXPLOSIVE 1.3J			62	Not Accepted by FedEx Ground
	Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge, see Contrivances, water- activated, etc.								

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Ammunition, incendiary, white phosphorus , with burster, expelling charge or propelling charge	1.2H	UN0243	п	EXPLOSIVE 1.2H			62	Not Accepted by FedEx Ground
	Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.3H	UN0244	п	EXPLOSIVE 1.3H			62	Not Accepted by FedEx Ground
	Ammunition, incendiary, with or without burster, expelling charge or propelling charge	1.2G	UN0009	п	EXPLOSIVE 1.2G			62	Not Accepted by FedEx Ground
	Ammunition, incendiary, with or without burster, expelling charge or propelling charge	1.3G	UN0010	п	EXPLOSIVE 1.3G			62	Not Accepted by FedEx Ground
	Ammunition, incendiary, with burst or without burster, expelling charge or propelling charge	1.4G	UN0300	п	EXPLOSIVE 1.4G			62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Ammunition, practice	1.4G	UN0362	п	EXPLOSIVE 1.4G			62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Ammunition, practice	1.3G	UN0488	П	EXPLOSIVE 1.3G			62	Not Accepted by FedEx Ground
	Ammunition, proof	1.4G	UN0363	п	EXPLOSIVE 1.4G			62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Ammunition, rocket, see Warheads, rocket etc.								
	Ammunition, SA (small arms), see Cartridges for weapons, etc.								
	Ammunition, smoke (water-activated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248)								
	Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, <i>etc.</i> (UN 0249)								
	Ammunition smoke, white phosphorus with burster, expelling charge, or propelling charge	1.2H	UN0245	п	EXPLOSIVE 1.2H			62	Not Accepted by FedEx Ground
	Ammunition smoke, white phosphorus with burster, expelling charge, or propelling charge	1.3H	UN0246	п	EXPLOSIVE 1.3H			62	Not Accepted by FedEx Ground
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.2G	UN0015	п	EXPLOSIVE 1.2G			62	Not Accepted by FedEx Ground
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	п	EXPLOSIVE 1.3G			62	Not Accepted by FedEx Ground
	Ammunition, smok e with or without burster, expelling charge or propelling charge	1.4G	UN0303	п	EXPLOSIVE 1.4G			62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Ammunition, sporting, see Cartridges for weapons, <i>etc.</i> (UN 0012; UN 0328; UN 0339)								
	Ammunition, tear-producing, non-explosive without burster or expelling charge, non-fuzed	6.1 (8)	UN2017	п	POISON, CORROSIVE**		None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.2G (8,6.1)	UN0018	п	EXPLOSIVE 1.2G, CORROSIVE, POISON			62	Not Accepted by FedEx Ground
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G (8,6.1)	UN0019	п	EXPLOSIVE 1.3G, CORROSIVE, POISON			62	Not Accepted by FedEx Ground
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G (8,6.1)	UN0301	п	EXPLOSIVE 1.4G, CORROSIVE, POISON			62	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2016	п	POISON**		None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water- activated, <i>etc.</i>								
G	Ammunition, toxic with burster, expelling charge, or propelling charge	1.2K (6.1)	UN0020	п	EXPLOSIVE 1.2K, POISON			62	Not Accepted by FedEx Ground
G	Ammunition, toxic with burster, expelling charge, or propelling charge	1.3K (6.1)	UN0021	п	EXPLOSIVE 1.3K, POISON			62	Not Accepted by FedEx Ground
	Amyl acetates	3	UN1104	Ш	FLAMMABLE LIQUID		150	203	
	Amyl acid phosphate	8	UN2819	Ш	CORROSIVE		154	203	
	Amylamines	3 (8)	UN1106	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Amylamines	3 (8)	UN1106	Ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Amyl butyrates	3	UN2620	Ш	FLAMMABLE LIQUID		150	203	
	Amyl chlorides	3	UN1107	П	FLAMMABLE LIQUID		150	202	
	Amyl formates	3	UN1109	III	FLAMMABLE LIQUID		150	203	
	Amyl mercaptans	3	UN1111	П	FLAMMABLE LIQUID		None	202	
	n-Amyl methyl ketone	3	UN1110	III	FLAMMABLE LIQUID		150	203	
	Amyl nitrate	3	UN1112	ш	FLAMMABLE LIQUID		150	203	
	Amyl nitrites	3	UN1113	Π	FLAMMABLE LIQUID		150	202	
	Amyltrichlorosilane	8	UN1728	п	CORROSIVE	N34	None	202	
	Anhydrous ammonia see Ammonia, anhydrous								
	Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous								Accepted only when packaged under applicable
+	Aniline	6.1	UN1547	п	POISON**		153	202	special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Aniline hydrochloride Aniline oil, see Aniline	6.1	UN1548	ш	POISON**		153	213	special permit or 49CFR 173.13
	Anisidines	6.1	UN2431	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Anisole	3	UN2222	Ш	FLAMMABLE LIQUID		150	203	
	Anisoyl chloride	8	UN1729	Π	CORROSIVE		154	212	
	Anti-freeze, liquid, see Flammable liquids, n.o.s.								
	Antimonous chloride, see Antimony trichloride								
	Antimony compounds, inorganic, liquid, n.o.s.	6.1	UN3141	ш	POISON**	35	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Antimony compounds, inorganic, solid, n.o.s.	6.1	UN1549	ш	POISON**	35	153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Antimony lactate	6.1	UN1550	Ш	POISON**		153	213	special permit or 49CFR 173.13
	Antimony pentachloride, liquid	8	UN1730	П	CORROSIVE		None	202	
	Antimony pentachloride, solutions	8	UN1731	П	CORROSIVE		154	202	
	Antimony pentachloride, solutions	8	UN1731	ш	CORROSIVE		154	203	Accorded with when we have the test of the test
	Antimony pentafluoride	8 (6.1)	UN1732	п	CORROSIVE, POISON**	N3, N36	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Antimony potassium tartrate	6.1	UN1551	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Antimony powder	6.1	UN2871	ш	POISON**		153	213	special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging (§17.		
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Antimony sulfide and a chlorate, mixtures of	Forbid- den							
	Antimony sulfide, solid, see Antimony compounds, inorganic, n.o.s.								
	Antimony trichloride, liquid	8	UN1733	Π	CORROSIVE		154	202	
	Antimony trichloride, solid	8	UN1733	Π	CORROSIVE		154	212	
	Aqua ammonia, see Ammonia solution, etc.								
	Argon, compressed	2.2	UN1006		NONFLAMMABLE GAS		306	302	
	Argon, refrigerated liquid (cryogenic liquid)	2.2	UN1951		NONFLAMMABLE GAS**		320	316	Accepted only when packaged under exception 49CFR 173.320
	Arsenic	6.1	UN1558	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Arsenic acid, liquid	6.1	UN1553	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Arsenic acid, solid	6.1	UN1554	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Arsenical dust	6.1	UN1562	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, liquid, flammable, toxic , flash point less than 23 degrees C	3 (6.1)	UN2760	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Arsenical pesticides, liquid, flammable, toxic</b> , <i>flash point less than 23</i> degrees C	3	UN2760	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, liquid, toxic	6.1	UN2994	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, liquid, toxic	6.1	UN2994	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, liquid, toxic	6.1	UN2994	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Arsenical pesticides, liquid, toxic, flammable</b> <i>flash point not less than 23 degrees C</i>	6.1 (3)	UN2993	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, liquid, toxic, flammable flash point not less than 23 degrees C	6.1 (3)	UN2993	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Arsenical pesticides, liquid, toxic, flammable</b> <i>flash point not less than 23 degrees C</i>	6.1 (3)	UN2993	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, solid, toxic	6.1	UN2759	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, solid, toxic	6.1	UN2759	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenical pesticides, solid, toxic	6.1	UN2759	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic bromide	6.1	UN1555	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic chloride, see Arsenic trichloride								
	<b>Arsenic compounds, liquid, n.o.s.</b> <i>inorganic, including arsenates n.o.s.;</i> <i>arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of</i> <i>arsenic, n.o.s.</i>	6.1	UN1556	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Arsenic compounds, liquid, n.o.s. inorganic, including arsenates n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	6.1	UN1556	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic compounds, liquid, n.o.s. inorganic, including arsenates n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	6.1	UN1556	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	6.1	UN1557	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	6.1	UN1557	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	6.1	UN1557	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Arsenic pentoxide	6.1	UN1559	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Arsenic sulfide and a chlorate, mixtures of	Forbid- den							
	Arsenic trichloride	6.1	UN1560	Ι	POISON	2	None	227	Not Accepted by FedEx Ground
	Arsenic trioxide	6.1	UN1561	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Arsenic, white, solid, see Arsenic trioxide								
	Arsenious acid, solid, see Arsenic trioxide								
	Arsenious and mercuric iodide solution, see Arsenic compounds, liquid,								
	n.o.s. Arsine	2.3 (2.1)	UN2188		POISON GAS, FLAMMABLE GAS	1	None	192	Not Accepted by FedEx Ground
	Articles, explosive, extremely insensitive <i>or</i> Articles, EEI	1.6N	UN0486	п	EXPLOSIVE 1.6N	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.48	UN0349	п	EXPLOSIVE 1.4S	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.4B	UN0350	п	EXPLOSIVE 1.4B	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.4C	UN0351	п	EXPLOSIVE 1.4C	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.4D	UN0352	п	EXPLOSIVE 1.4D	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.4G	UN0353	п	EXPLOSIVE 1.4G	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.1L	UN0354	п	EXPLOSIVE 1.1L	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.2L	UN0355	П	EXPLOSIVE 1.2L	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.3L	UN0356	Π	EXPLOSIVE 1.3L	101	None	62	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Articles, explosive, n.o.s.	1.1C	UN0462	Π	EXPLOSIVE 1.1C	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.1D	UN0463	Π	EXPLOSIVE 1.1D	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.1E	UN0464	Π	EXPLOSIVE 1.1E	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.1F	UN0465	Π	EXPLOSIVE 1.1F	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.2C	UN0466	Π	EXPLOSIVE 1.2C	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.2D	UN0467	Π	EXPLOSIVE 1.2D	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.2E	UN0468	П	EXPLOSIVE 1.2E	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.2F	UN0469	Π	EXPLOSIVE 1.2F	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.3C	UN0470	Π	EXPLOSIVE 1.3C	101	None	62	Not Accepted by FedEx Ground
G	Articles, explosive, n.o.s.	1.4E	UN0471	п	EXPLOSIVE 1.4E	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Articles, explosive, n.o.s.	1.4F	UN0472	п	EXPLOSIVE 1.4F	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Articles, pressurized pneumatic or Hydraulic containing non-flammable gas	2.2	UN3164		NONFLAMMABLE GAS		306	302, 304	
	Articles, pyrophoric	1.2L	UN0380	П	EXPLOSIVE 1.2L		None	62	Not Accepted by FedEx Ground
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	Π	EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	П	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Articles, pyrotechnic for technical purposes	1.48	UN0432	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
D	Asbestos	9	NA2212	III	CLASS 9	156	155	216	May not be regulated via highway
	Ascaridole (organic peroxide)	Forbid- den							
D	Asphalt, at or above its flashpoint	3	NA1999	III	FLAMMABLE LIQUID		150	203	
D	Asphalt, cut back, see Tars, liquid, etc.								
	Automobile, motorcycle, tractor, or other self-propelled vehicle, engine, or other mechanical apparatus. See Vehicles or Battery etc.								
A G	Aviation regulated liquid, n.o.s.	9	UN3334		CLASS 9		155	204	
A G	Aviation regulated solid, n.o.s.	9	UN3335		CLASS 9		155	204	
	Azaurolic acid (salt of) (dry)]	Forbid- den							
	3-Azido-1,2-Propylene glycol dinitrate	Forbid- den							
	5-Azido-1-hydroxy tetrazole	Forbid- den							
	Azidodithiocarbonic acid	Forbid- den							
	Azidoethyl nitrate	Forbid- den							
	Azido guanidine picrate (dry)	Forbid- den							
	Azido hydroxy tetrazole (mercury and silver salts)	Forbid- den							
	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine								
	oxide, solution								
	Azodicarbonamide	4.1	UN3242	П	FLAMMABLE SOLID	38	151	212	
	Azotetrazole (dry)	Forbid- den							

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Barium	4.3	UN1400	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Barium alloys, pyrophoric	4.2	UN1854	Ι	SPONTANEOUSLY COMBUSTIBLE		None	181	Not Accepted by FedEx Ground
	Barium azide dry or wetted with less than 50 percent water, by mass	1.1A (6.1)	UN0224	П	EXPLOSIVE 1.1A, POISON	111, 117	None	62	Not Accepted by FedEx Ground
	Barium azide, wetted with not less than 50 percent water, by mass	4.1 (6.1)	UN1571	Ι	FLAMMABLE SOLID, POISON	162	None	182	Not Accepted by FedEx Ground
	Barium bromate	5.1 (6.1)	UN2719	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium chlorate, solid	5.1 (6.1)	UN1445	п	OXIDIZER, POISON**	N34	152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium chlorate, solution	5.1 (6.1)	UN3405	п	OXIDIZER, POISON**	N34	152	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium chlorate, solution	5.1 (6.1)	UN3405	ш	OXIDIZER, POISON**	N34	152	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium compounds, n.o.s.	6.1	UN1564	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium compounds, n.o.s.	6.1	UN1564	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium cyanide	6.1	UN1565	I	POISON**	N74,N75	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Barium hypochlorite with more than 22 percent available chlorine	5.1 (6.1)	UN2741	п	OXIDIZER, POISON**	N34	152	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.152
	Barium nitrate	5.1 (6.1)	UN1446	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium oxide	6.1	UN1884	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium perchlorate, solid	5.1 (6.1)	UN1447	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium perchlorate, solution	5.1 (6.1)	UN3406	п	OXIDIZER, POISON**		152	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium perchlorate, solution	5.1 (6.1)	UN3406	ш	OXIDIZER, POISON**		152	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium permanganate	5.1 (6.1)	UN1448	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium peroxide	5.1 (6.1)	UN1449	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Barium selenate, see Selenates or Selenites								
	Barium selenite, see Selenates or Selenites								
	Batteries, containing sodium	4.3	UN3292	п	DANGEROUS WHEN WET**		189	189	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Batteries, dry, containing potassium hydroxide solid, electric storage	8	UN3028	ш	CORROSIVE		None	213	
	Batteries, dry, not subject to the requirements of this subchapter					130			
	Batteries, wet, filled with acid, electric storage	8		ш			159	159	
	Batteries, wet filled with alkali, electric storage	8		ш			159	159	
	Batteries, wet, non-spillable, electric storage	8	UN2800	Ш	CORROSIVE		159	159	May not be regulated via highway
	Battery fluid, acid	8	UN2796	П	CORROSIVE	N6,N34	154	202	
	Battery fluid, alkali	8	UN2797	п	CORROSIVE	N6	154	202	
	Battery lithium type, see Lithium batteries etc.	9	UN3171		CLASS 9	134	220	220	May not be negulated via high
L	Battery-powered vehicle or Battery-powered equipment	y	0131/1		CLASS 9	134	220	220	May not be regulated via highway

### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc, or Engines, internal combustion, etc								
+	Benzaldehyde	9	UN1990	ш	CLASS 9		155	203	
	Benzene	3	UN1114	п	FLAMMABLE LIQUID**		150	202	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Benzene diazonium chloride (dry)	Forbid- den							
	Benzene diazonium nitrate (dry)	Forbid- den							
	Benzene phosphorus dichloride, see Phenyl phosphorus dichloride								
	Benzene phosphorus thiodichloride, see Phenyl phosphorus thiodichloride								
	Benzene sulfonyl chloride	8	UN2225	ш	CORROSIVE		154	203	
	Benzenethiol, see Phenyl mercaptan								
	Benzene triozonide	Forbid- den							
	Benzidine	6.1	UN1885	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Benzol, see Benzene								
	Benzonitrile	6.1	UN2224	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Benzoquinone	6.1	UN2587	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Benzotrichloride	8	UN2226	п	CORROSIVE**		154	202	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Benzotrifluoride	3	UN2338	Π	FLAMMABLE LIQUID		150	202	
	Benzoxidiazoles (dry)	Forbid- den							
	Benzoyl azide	Forbid- den							
	Benzoyl chloride	8	UN1736	П	CORROSIVE		154	202	
	Benzyl bromide	6.1 (8)	UN1737	п	POISON, CORROSIVE**	N33,N34	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Benzyl chloride	6.1 (8)	UN1738	п	POISON, CORROSIVE**	N33,N42	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Benzyl chloride, unstabilized	6.1 (8)	UN1738	п	POISON, CORROSIVE**	N33, N34, N43	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Benzyl chloroformate	8	UN1739	Ι	CORROSIVE	N41	None	201	
	Benzyldimethylamine	8 (3)	UN2619	П	CORROSIVE, FLAMMABLE LIQUID		154	202	
	Benzylidene chloride	6.1	UN1886	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Benzyl iodide	6.1	UN2653	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Beryllium compounds, n.o.s.	6.1	UN1566	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Beryllium compounds, n.o.s.	6.1	UN1566	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Beryllium nitrate	5.1 (6.1)	UN2464	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Beryllium, powder	6.1 (4.1)	UN1567	п	POISON, FLAMMABLE SOLID**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Bicyclo[2,2,1]hepta-2,5-diene, stabilized <i>or</i> 2,5-Norbornadiene, stabilized	3	UN2251	п	FLAMMABLE LIQUID		150	202	

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

bols       Interviews interviews and proper simpling interviews and proper simplifies and p	(9) ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13
Biphenyl triozonideForbid- denImage: Constraint of the section of the secting section of the	ackaged under applicable or 49CFR 173.13 ackaged under applicable
Bipyridilium pesticides, liquid, flammable, toxic, flash point less than       3 (6.1)       UN2782       I       FLAMMABLE LIQUID, POISON**       None       201       Accepted only when particides, special permit         Bipyridilium pesticides, liquid, flammable, toxic, flash point less than       3 (6.1)       UN2782       II       FLAMMABLE LIQUID, POISON**       150       202       Accepted only when particides, liquid, toxic         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       I       POISON**       None       201       Accepted only when particides, liquid, toxic         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       I       POISON**       None       201       Accepted only when particides, liquid, toxic         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       I       POISON**       153       202       Accepted only when particides, liquid, toxic         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       203       Accepted only when particides, liquid, toxic, flammable, flash point not less       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when particides, liquid, toxic, flammable, flash point not less         than 23 degrees C       6.1 (3)       UN3015       I       POISON, FLAMMAB	or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable
23 degrees CNone201special permitBipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C3 (6.1)UN2782IIFLAMMABLE LIQUID, POISON**150202Accepted only when pa special permitBipyridilium pesticides, liquid, toxic6.1UN3016IPOISON**None201Accepted only when pa special permitBipyridilium pesticides, liquid, toxic6.1UN3016IPOISON**153202Accepted only when pa special permitBipyridilium pesticides, liquid, toxic6.1UN3016IIPOISON**153202Accepted only when pa special permitBipyridilium pesticides, liquid, toxic6.1UN3016IIPOISON**153203Accepted only when pa special permitBipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C6.1 (3)UN3015IPOISON, FLAMMABLE LIQUID**None201Accepted only when pa special permitBipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C6.1 (3)UN3015IPOISON, FLAMMABLE LIQUID**None201Accepted only when pa special permitBipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C6.1 (3)UN3015IPOISON, FLAMMABLE LIQUID**None201Accepted only when pa special permitBipyridilium pesticides, liquid, toxic, flammable, flash point not less6.1UN3015IPOISON, FLAMMABLE LIQUID**None201	or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable
23 degrees C       3 (6.1)       0 N2/82       II       PLAMMABLE LIQUID, POISON**       150       202       special permit         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       I       POISON**       None       201       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       202       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       203       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less       6.1       UN3015       I	or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable
Bipyridilum pesticides, liquid, toxic       6.1       UN3016       I       POISON**       201       special permit         Bipyridilum pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       202       Accepted only when pa special permit         Bipyridilum pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       203       Accepted only when pa special permit         Bipyridilum pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       203       Accepted only when pa special permit         Bipyridilum pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pa special permit         Bipyridilum pesticides, liquid, toxic, flammable, flash point not less       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pa special permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less       6.1       UN3015       I       POISON FLAMMABLE LIQUID**       None       201       Accepted only when pa special permit	or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable
Bipyridilium pesticides, liquid, toxic       6.1       UN3016       II       POISON**       153       202       special permit         Bipyridilium pesticides, liquid, toxic       6.1       UN3016       III       POISON**       153       203       Accepted only when pasterial permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pasterial permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less       6.1 (3)       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pasterial permit         Bipyridilium pesticides, liquid, toxic, flammable, flash point not less       6.1       UN3015       I       POISON, FLAMMABLE LIQUID**       None       201       Accepted only when pasterial permit	or 49CFR 173.13 ackaged under applicable or 49CFR 173.13 ackaged under applicable
Bipyridium pesticides, liquid, toxic     6.1     0.13016     11     POISON**     153     203     special permit       Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C     6.1 (3)     UN3015     I     POISON, FLAMMABLE LIQUID**     None     201     Accepted only when pa special permit       Bipyridilium pesticides, liquid, toxic, flammable, flash point not less     6.1     UN3015     I     POISON, FLAMMABLE LIQUID**     None     201     Accepted only when pa special permit	or 49CFR 173.13 ackaged under applicable
than 23 degrees C     6.1 (3)     UN3015     1     POISON, FLAMMABLE LIQUID**     None     201     special permit       Bipyridilium pesticides, liquid, toxic, flammable, flash point not less     6.1     UN3015     1     POISON, FLAMMABLE LIQUID**     152     202     Accepted only when particides	
	ackaged under applicable or 49CFR 173.13
	ackaged under applicable or 49CFR 173.13
Bipyrialium pesticides, solid, toxic 6.1 UN2/81 1 POISON** None 211 special permit	ackaged under applicable or 49CFR 173.13
Bipyridinum pesticides, solid, toxic 6.1 UN2/81 II POISON** 153 212 special permit	ackaged under applicable or 49CFR 173.13
Bipyridilium pesticides, solid, toxic 6.1 UN2/81 III POISON** 153 213 special permit	ackaged under applicable or 49CFR 173.13
Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.	
Bisulfate, aqueous solution     8     UN2837     II     CORROSIVE     N34     154     202	
Bisulfate, aqueous solution     8     UN2837     III     CORROSIVE     N34     154     203	
Bisulfites, aqueous solutions, n.o.s.     8     UN2693     III     CORROSIVE     154     203	
powder, in penets or Gunpowder, in penets	oy FedEx Ground
D     Black powder for small arms     4.1     NA0027     I     FLAMMABLE SOLID     70     None     170	
	oy FedEx Ground
Blasting agent, n.o.s., see Explosives, blasting etc.	
Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting	
Blasting caps, electric, see Detonators, electric for blasting	
Blasting caps, non-electric, see Detonators, non-electric, for blasting	
Bleaching powder, see Calcium hypochlorite mixtures, etc.	
I       Blue asbestos (Crocidolite) or Brown asbestos (amosite, mysorite)       9       UN2212       II       CLASS 9       156       155       216       May not be regularized	ulated via highway
	oy FedEx Ground
Bombs, smoke, non-explosive, with corrosive liquid, without initiating device     8     UN2028     II     CORROSIVE     None     160	
	oy FedEx Ground
	oy FedEx Ground
Bombs, with bursting charge1.2DUN0035IIEXPLOSIVE 1.2D62Not Accepted b	oy FedEx Ground

#### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Bombs, with bursting charge	1.2F	UN0291	П	EXPLOSIVE 1.2F			62	Not Accepted by FedEx Ground
	Bombs with flammable liquid, with bursting charge	1.1J	UN0399	П	EXPLOSIVE 1.1J			62	Not Accepted by FedEx Ground
	Bombs with flammable liquid, with bursting charge	1.2J	UN0400	Π	EXPLOSIVE 1.2J			62	Not Accepted by FedEx Ground
	Boosters with detonator	1.1B	UN0225	П	EXPLOSIVE 1.1B		None	62	Not Accepted by FedEx Ground
	Boosters with detonator	1.2B	UN0268	П	EXPLOSIVE 1.2B		None	62	Not Accepted by FedEx Ground
	Boosters, without detonator	1.1D	UN0042	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Boosters, without detonator	1.2D	UN0283	Π	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Borate and chlorate mixtures, see Chlorate and borate mixtures								
	Borneol	4.1	UN1312	Ш	FLAMMABLE SOLID		None	213	
+	Boron tribromide	8 (6.1)	UN2692	Ι	CORROSIVE, POISON	2,N34	None	227	Not Accepted by FedEx Ground
	Boron trichloride	2.3 (8)	UN1741		POISON GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
	Boron trifluoride	2.3	UN1008		POISON GAS	2	None	302	Not Accepted by FedEx Ground
	Boron trifluoride acetic acid complex, liquid	8	UN1742	Π	CORROSIVE		154	202	
	Boron trifluoride acetic acid complex, solid	8	UN3419	п	CORROSIVE		154	212	
	Boron trifluoride diethyl etherate	8 (3)	UN2604	Ι	CORROSIVE, FLAMMABLE LIQUID		None	201	
	Boron trifluoride dihydrate	8	UN2851	п	CORROSIVE		154	212	
	Boron trifluoride dimethyl etherate	4.3 (8,3)	UN2965	I	DANGEROUS WHEN WET, CORROSIVE, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Boron trifluoride propionic acid complex, liquid	8	UN1743	П	CORROSIVE		154	202	
	Boron trifluoride propionic acid complex, solid	8	UN3420	П	CORROSIVE		154	212	
	Box toe gum, see Nitrocellulose etc.								
	Bromates, inorganic, aqueous solution, n.o.s.	5.1	UN3213	Π	OXIDIZER		152	202	
	Bromates, inorganic, aqueous solution, n.o.s.	5.1	UN3213	ш	OXIDIZER		152	203	
	Bromates, inorganic, n.o.s.	5.1	UN1450	П	OXIDIZER		152	212	
+	Bromine or Bromine solution	8 (6.1)	UN1744	I	CORROSIVE, POISON	1,N34, N43	None	226	Not Accepted by FedEx Ground
	Bromine azide	Forbid- den							
	Bromine chloride	2.3 (8,5.1)	UN2901		POISON GAS, CORROSIVE, OXIDIZER	2	None	304	Not Accepted by FedEx Ground
+	Bromine pentafluoride	5.1 (6.1,8)	UN1745	Ι	OXIDIZER, POISON, CORROSIVE	1	None	228	Not Accepted by FedEx Ground
+	Bromine trifluoride	5.1 (6.1,8)	UN1746	Ι	OXIDIZER, POISON, CORROSIVE	2	None	228	Not Accepted by FedEx Ground
	4-Bromo-1,2-dinitrobenzene	Forbid- den							
	4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C.)	Forbid- den							
	2-Bromo-2-nitropropane-1,3-diol	4.1	UN3241	Ш	FLAMMABLE SOLID	46	151	213	Not Accepted by FedEx Ground
	1-Bromo-3-chloropropane	6.1	UN2688	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	1-Bromo-3-methylbutane	3	UN2341	ш	FLAMMABLE LIQUID		150	203	
	1-Bromo-3-nitrobenzene (unstable at 56 degrees C)	Forbid- den							
	Bromoacetic acid, solid	8	UN3425	Π	CORROSIVE	N34	154	212	
	Bromoacetic acid, solution	8	UN1938	П	CORROSIVE		154	202	
+	Bromoacetone	6.1 (3)	UN1569	П	POISON, FLAMMABLE LIQUID	2	None	193	Not Accepted by FedEx Ground
	Bromoacetyl bromide	8	UN2513	п	CORROSIVE		154	202	
	Bromobenzene	3	UN2514	ш	FLAMMABLE LIQUID		150	203	
	Bromobenzyl cyanides, liquid	6.1	UN1694	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Bromobenzyl cyanides, solid	6.1	UN3449	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	1-Bromobutane	3	UN1126	П	FLAMMABLE LIQUID		150	202	

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

Nome Bazerdous materials descriptions and proper shipping name Bazerdous materials descriptions and proper shipping name (b)Iberton (		D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Image:		Hazardous materials descriptions and proper shipping names			PG	Label codes		Exceptions	NonBulk	FedEx Ground Restrictions
Bronachlane         6.1         UNINF         II         POISON <sup>1/1</sup> 15.3         20.         Accepted only when package under applicable specified only of a package under applicable specified only	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Brownie Nature         Number of Constraints         Nu		2-Bromobutane	3	UN2339	Π	FLAMMABLE LIQUID		150	202	
Broundorm         6.1         UN315         III         POISON**         153         203         Accepted only when packaged ander opticable grait permit or NCTR 173.13           Broundorms         3         UN3243         II         PLAMMABLE LOUID         153         203         Accepted only when packaged ander opticable grait permit or NCTR 173.13           Broundorms         3         UN3243         II         PLAMMABLE LOUID         153         203           Broundorms         3         UN3243         II         PLAMMABLE LOUID         153         203           Broundorms         3         UN3243         II         PLAMMABLE LOUID         153         203           Broundorms         2         UN3243         II         PLAMMABLE LOUID         153         203           Broundorms         2.0         UN3243         II         PLAMMABLE LOUID         153         203         Accepted only when accepted and the opticable and t		Bromochloromethane	6.1	UN1887	ш	POISON**		153	203	
Brownethylerprans         6.1         CNA30         III         CNA30         III         CNA30         III         Constance         Special perminar dicTR 13,15           Brownethylerprans         3         (N340         II         FLAMMARE LQUID         190         320           Browneyroganes         3         (N340         III         FLAMMARE LQUID         190         320           Browneyroganes         3         (N344         III         FLAMMARE LQUID         190         320           Stremmeyroganes         3         (N344         III         FLAMMARE LQUID         190         320           Browneyroganes         FINIDA         FLAMMARE LQUID         190         320		2-Bromoethyl ethyl ether	3	UN2340	Π	FLAMMABLE LIQUID		150	202	
2         2         10         PLANMABLE LOUID         190         190		Bromoform	6.1	UN2515	ш	POISON**		153	203	
Bromoproganes         3         UN344         II         PLAMMABLE LQUID         150         20           Bromoproganes         3         UN344         II         PLAMMABLE LQUID         150         20           Bromoproganes         3         UN344         II         PLAMMABLE LQUID         150         20           Bromotificance         Formation         Fo			3			-		150	202	
Bromoprogrames3UN244IIIPLANMARE LIQUID1502033-BromoulanceFunda-ceVIPLANMARE LIQUID150203Bromoulance adjub, see Beary bromideFunda-ceIIIIIIBromoulance adjub, see Beary bromide2.1UN243IPLANMARE LIQUIDIIIIBromoulance adjub, see Beary bromide2.1UN049IPLANMARE CASINow804IBromoulance adjub see Statistication and the Adjub see Statistication adjub see Sta		•		UN2343	_			1		
3         IV.345         II         FLAMMARE LIQUID         19         202           Bromoulome         Frended         F										
Brownshine         Freedom         Freedom         C         C         C           Brownerifinorechylene         2.1         UN109         FLAMMABE CAS         None         244           Brownerifinorechylene         6.1         UN109         FLAMMABE CAS         None         244           Brownerifinorechylene         6.1         UN159         I         PDISON**         None         244           Bruters, explosive         1.10         UN804         I         EXECONYC LID         None         241         Accepted only who packaged under applicable           Butadienes, stabilized containing more than 40% butadienes         1.10         UN804         I         EXECONYC LID         None         241         Accepted by FedEx Ground           Butadienes, stabilized containing more than 40% butadienes         2.1         UN804         I         FLAMMABE LOCID         159         26           Butane storce and mittures hoing and mitture hoin				UN2344		FLAMMABLE LIQUID		150	203	
Bromothems-adjust         Image: Second			3	UN2345	Π	FLAMMABLE LIQUID		150	202	
Bromotrilluorentlybene         2.1         UN19         FLAMMABLE GAS         Now         304           Bromotrilluorentlybene         Refrigerant gas, R13B1         2.2         UN19         NONFLAMMABLE GAS         306         304           Brustner, explaive         6.1         UN150         1         POISON**         Now         304         Accepted only when package due of mplichly gacel permit or diversity of the package due of mplichly gacel permit or diversity of the dive			Forbid- den							
Image: Product filteromethane or Refrigerant gas, R 13B1         2.2         UN1009         NONFLAMMABLE GAS         366         384		Bromotoluene-alpha, see Benzyl bromide								
Brueine6.1UN15701POISON**Name211Accepted any when packaged under applicable special permiser of QCR 17.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0		·		UN2419		FLAMMABLE GAS		1	304	
Britchie6.d.0.81%1POSDA**NoteAllC appecia permit or 9CFR 173.15'Bursters, explosive1.DDUN9003IIEXPLOSIVE L1DNote62Not Accepted by FedEx GroundStabilized containing more than 40% butadienes2.1UN100FLAMMABLE GAS366306304Butane, butane mixtures how similar properties in carridges each not exceeding 500 grams, seeReceptacks, etc.1FLAMMABLE LQUID159202Butane six care how similar properties in carridges each not exceeding 500 grams, see3UN2246IIFLAMMABLE LQUID150202Butane six care also Detroleum gases, liquefied2.1UN1010IIFLAMMABLE LIQUID150202Butane six care also Detroleum gases, liquefied3UN1120IIFLAMMABLE LIQUID150202Butane six3UN1120IIFLAMMABLE LIQUID150203Butane six3UN1120IIFLAMMABLE SOLID150203Butyl accitates3UN1123IIFLAMMABLE SOLID150203Butyl accitates3UN1123IIFLAMMABLE SOLID150203Butyl accitates3UN1123IIFLAMMABLE LIQUID150203Butyl accitates3UN1123IIFLAMMABLE LIQUID150203Butyl accitates3UN1123IIFLAMMABLE LIQUID150203Butyl accitates, subilized3UN123IIFLAM		Bromotrifluoromethane or Refrigerant gas, R 13B1	2.2	UN1009		NONFLAMMABLE GAS		306	304	
Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% batadienes         2.1         UN100         FLAMMABLE GAS         306         304           Butane, butane mixtures and mixtures haves and mixt		Brucine	6.1	UN1570				None	211	special permit or 49CFR 173.13
stabilized containing more than 40% butadienes     2.1     UNU0     FLAMMABLE GAS     306     304       Butane, butane mixtures and mixtures having similar properties in carridges each not exceeding 500 gram, see Receptades, etc.     3     UN246     II     FLAMMABLE LIQUID     150     202       Butane butane mixtures and mixtures having similar properties in carridges each not exceeding 500 gram, see Receptades, etc.     3     UN246     II     FLAMMABLE LIQUID     150     202       Butane but and mixtures and mixtures and mixtures having similar properties in carridges each not exceeding 500 gram, see Receptades, etc.     1     FLAMMABLE LIQUID     150     202       Butane but and mixtures			1.1D	UN0043	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
cattridges each not exceeding 500 grams, see Receptacles, etc.                 Butanecione         3         UN236         II         FLAMMABLE LQUID         150         202           Butane see also Petroleum gases, liquefied         2.1         UN101         FLAMMABLE LQUID         150         202           L1_2,4-Butanetrol trinitrate         Forbid-den               Butanos         3         UN120         II         FLAMMABLE LQUID         150         202           Butanols         3         UN120         II         FLAMMABLE LQUID         150         203           for tri-Butacycarbonyl azide         Forbid-den               5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene         4.1         UN295         II         FLAMMABLE LQUID         159         None         223           Butyl acctates         3         UN123         II         FLAMMABLE LQUID         154         203            Butyl acid phosphate         8         UN123         II         FLAMMABLE LQUID         154         203            Butyl acid phosphate		•	2.1	UN1010		FLAMMABLE GAS		306	304	
Butane see also Petroleum gases, liquefied2.1UN101FLAMMABLE GAS193063041.2,4-Battanetriol trinitrateForbid-denForbid-denFAMMABLE LIQUID150202Butanols3UN1120IIFLAMMABLE LIQUID150202Butanols3UN120IIFLAMMABLE LIQUID150203iert-Butoxycarbonyl azideForbid-denForbid-denForbid-denForbid-denForbid-den5-tert-Butyl-2,4,6-triniro-m-xylene or Musk xylene4.1U22956IIIFLAMMABLE LIQUID150202Butyl acetates3UN1123IIFLAMMABLE LIQUID150202Forbid-denButyl acetates3UN123IIFLAMMABLE LIQUID150202Forbid-denButyl acetates3UN123IIFLAMMABLE LIQUID150203Forbid-denButyl acetates3UN123IIFLAMMABLE LIQUID150203Forbid-denButyl acetates3UN123IIFLAMMABLE LIQUID150203Forbid-denButyl acetates3UN123IIFLAMMABLE LIQUID150203Forbid-denButyl acetates3UN123IIFLAMMABLE LIQUID150203Forbid-denButyl acetates3UN125IIFLAMMABLE LIQUID150203Forbid-denButyl acetates3UN125IIFLAMMABLE LIQUID, CORROSIVE150203Forbid-denButyl achori		cartridges each not exceeding 500 grams, see Receptacles, etc.								
1,2,4-Butanetriol trinitrateForbid-denButanols3UN1120IIFLAMMABLE LIQUID150203Butanols3UN1120IIFLAMMABLE LIQUID150203Stert-Butoxycarbonyl acideForbid-denStert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene4.1UN123IIFLAMMABLE SOLID150202Butyl acetates3UN1123IIFLAMMABLE LIQUID150203Butyl acetates3UN1123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN125IIFLAMMABLE LIQUID150203			3	UN2346	Π	FLAMMABLE LIQUID		150	202	
Butanols3UN120IIFLAMMABLE LIQUID150202Butanols3UN120IIIFLAMMABLE LIQUID150203tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene4.1UN2956IIIFLAMMABLE SOLID150223Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN123IIFLAMMABLE LIQUID150203Butyl acetates3UN124IIFLAMMABLE LIQUID150203Butyl acetates3UN124IIFLAMMABLE LIQUID150203Butyl acetates, stabilized3UN125IIFLAMMABLE LIQUID150203Butyl acetates3(8)UN125IIFLAMMABLE LIQUID, CORROSIVE150202n-Butylamine3(8)UN125IIFLAMMABLE LIQUID150203n-Butyl bezzenes3UN1278IIFLAMMABLE LIQUID150203n-Butyl choroformate6.1UN2738IIPOISON**153203Accepted only when packaged under applicable special permit or 40CFR 173.13psec-Butyl chloroformate6.1UN2748IPOISON, FLAMMABLE LIQUID150224Not Accepted		Butane see also Petroleum gases, liquefied	2.1	UN1011		FLAMMABLE GAS	19	306	304	
Butanols3UN1120IIIFLAMMABLE LIQUID150203Itert-Butaxycarbonyl azideForbid-denIIIIIFLAMMABLE SOLID150203S-tert-Butyl-24,6-trinitro-m-xylene or Musk xylene4.1UN2956IIIFLAMMABLE SOLID150203Butyl acetates3UN1123IIFLAMMABLE LIQUID150203Butyl acetates3.UN1123IIFLAMMABLE LIQUID150203Butyl acid phosphate8UN123IIFLAMMABLE LIQUID150203Butyl acid phosphate8UN123IIIFLAMMABLE LIQUID150203Butyl acid phosphate8UN123IIFLAMMABLE LIQUID150203Butyl acid phosphate3UN123IIFLAMMABLE LIQUID150203Butyl achols, see Butanols77777n-Butylaline3(8)UN1125IIFLAMMABLE LIQUID150203N-Butylanine3(8)UN125IIFLAMMABLE LIQUID150203n-Butyl bornide, see 1-Bromobutane6.1UN2738IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Dsec-Butyl chloroformate6.1 (3,8)NA2742IPOISON, FLAMMABLE LIQUID150203Dsec-Butyl chloroformate6.1 (3,8)UN273IPOISON, FLAMMABLE LIQUID2None227Not Accepted by FedEx Groundn-B		1,2,4-Butanetriol trinitrate	Forbid- den							
tert-Butoxycarbonyl azideForbid-denF		Butanols	3	UN1120	Π	FLAMMABLE LIQUID		150	202	
5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene4.1UN2956IIIFLAMMABLE SOLID159None223Butyl acetates3UN1123IIFLAMMABLE LIQUID150202Butyl acetates3UN123IIIFLAMMABLE LIQUID150203Butyl acetates3UN123IIIFLAMMABLE LIQUID150203Butyl acetates8UN178IIICORROSIVE154203Butyl acetates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl acetates, stabilized3UN2348IIIFLAMMABLE LIQUID150203n-Butyl alcohols, seeButonois3(8)UN125IIFLAMMABLE LIQUID150202n-Butylanine3(8)UN125IIFLAMMABLE LIQUID, CORROSIVE150202New tyl benzenes3UN278IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Butyl benzenes3UN279IIFLAMMABLE LIQUID150203Intermit or 49CFR 173.13D sec-Butyl chloroformate6.1 (3.8)NA272IPOISON, FLAMMABLE LIQUID, CORROSIVE2None227Not Accepted by FedEx Groundn-Butyl chloroformate6.1 (3.8)UN2743IPOISON, CORROSIVE, FLAMMABLE LIQUID2None227Not Accepted by FedEx Ground12Butylene oxide, stabilized3UN222IIFLAMMABLE LIQUID150202Acce		Butanols	3	UN1120	Ш	FLAMMABLE LIQUID		150	203	
Butyl acetates3UNI123IIFLAMMABLE LIQUID150202Butyl acetates3UNI133IIIFLAMMABLE LIQUID150203Butyl acid phosphate8UNI718IIICORROSIVE154203Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl acrobits, see Butanols		tert-Butoxycarbonyl azide	Forbid- den							
Buyl acetates3UN1123IIIFLAMMABLE LIQUID150203Butyl acid phosphate8UN1718IIICORROSIVE154203Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203n-Butylamine3 (8)UN1125IIFLAMMABLE LIQUID, CORROSIVE150202N-Butylaniline6.1UN2738IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Butyl benzenes3UN2709IIIFLAMMABLE LIQUID150203n-Butyl chloride, seeChlorobutanen-Butyl chloroformate6.1 (3.8)NA2742IPOISON, FLAMMABLE LIQUID, CORROSIVE2None227Not Accepted by FedEx GroundDsee-Butyl chloroformate6.1 (3.8)UN2743IPOISON, FLAMMABLE LIQUID2None227Not Accepted by FedEx GroundItert-Butylcyclohexylchloroformate6.1UN2747IIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.13I1,2-Butylene oxide, stabilized3UN3022IFLAMMABLE LIQUID2None227Not Accepted by FedEx Ground Accepted only when packaged under applicable special permit or 49C			4.1	UN2956		FLAMMABLE SOLID	159	None	223	
Butyl acid phosphate8UN1718IIICORROSIVE154203Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl alcohols, seeButyl alcohols, seeButyl alcohols, seeButyl alcohols, seeEutonois150203n-Butylannine3 (8)UN1125IIFLAMMABLE LIQUID, CORROSIVE150202N-Butylannine3 (8)UN1125IIFLAMMABLE LIQUID, CORROSIVE150202N-Butylannine6.1UN2738IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Butyl benzenes3UN2709IIIFLAMMABLE LIQUID150203n-Butyl chloride, seeChlorobutanesn-Butyl chloroformate6.1 (3.8)NA2742IPOISON, FLAMMABLE LIQUID, CORROSIVE2None227Not Accepted by FedEx Groundn-Butyl chloroformate6.1 (3.8)UN2743IPOISON, CORROSIVE, FLAMMABLE LIQUID2None227Not Accepted by FedEx Groundtert-Butylcyclohexylchloroformate6.1UN2747IIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.13Li2-Butylene oxide, stabilized3UN2747IIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.13Li2-Butylene oxide, stabilized3UN3022IIFLAMMABLE LIQUID150202 <td></td> <td></td> <td>3</td> <td>UN1123</td> <td></td> <td>-</td> <td></td> <td>150</td> <td>202</td> <td></td>			3	UN1123		-		150	202	
Butyl acrylates, stabilized3UN2348IIIFLAMMABLE LIQUID150203Butyl alcohols, see Butanolsn-Butylamine3 (8)UN1125IIFLAMMABLE LIQUID, CORROSIVE150202-N-Butylamine6.1UN2738IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Butyl benzenes3UN2709IIIFLAMMABLE LIQUID150203n-Butyl bromide, see 1-Bromobutanen-Butyl chloride, see Chlorobutanesbestyl chloroformate6.1 (3.8)NA27421POISON, FLAMMABLE LIQUID, CORROSIVE2Nonebestyl chloroformate6.1 (3.8)UN27431POISON, CORROSIVE, FLAMMABLE LIQUID2None227Not Accepted by FedEx Groundcert-Butyl cyclohexylchloroformate6.1UN2747IIPOISON, CORROSIVE, FLAMMABLE LIQUID2None227Not Accepted by FedEx Ground1,2-Butylene oxide, stabilized3UN3022IFLAMMABLE LIQUID150203Accepted only when packaged under applicable special permit or 49CFR 173.131,2-Butylene oxide, stabilized3UN3022IIFLAMMABLE LIQUID2None227Not Accepted by FedEx Ground1,2-Butylene oxide, stabilized3UN3022IIFLAMMABLE LIQUID150203Accepted only when packaged under applicable special permit or 49CFR 173.13			3			-		150	203	
Butyl alcohols, see       Butyl alcohols, see<			8	UN1718					203	
n-Butylamine3 (8)UN1125IIFLAMMABLE LIQUID, CORROSIVE150202Accepted only when packaged under applicable special permit or 49CFR 173.13N-Butylaniline6.1UN2738IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Butyl benzenes3UN2709IIIFLAMMABLE LIQUID150203Accepted only when packaged under applicable special permit or 49CFR 173.13n-Butyl bromide, see 1-Bromobutane11FLAMMABLE LIQUID150203Accepted only when packaged under applicable special permit or 49CFR 173.13p-Butyl chloride, see Chlorobutanes11POISON, FLAMMABLE LIQUID, CORROSIVE1100100p-Butyl chloroformate6.1 (3.8)NA27421POISON, FLAMMABLE LIQUID, CORROSIVE2None227Not Accepted by FedEx Groundp-Butyl chloroformate6.1 (3.8)UN2743IPOISON, CORROSIVE, FLAMMABLE LIQUID2None227Not Accepted by FedEx Groundp-Butyl chloroformate6.1 (3.8)UN2743IPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.13p-Butyl chloroformate6.1UN2747IIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.13p-I1.2-Butylene oxide, stabilized3UN3022IIFLAMMABLE LIQUID150202			3	UN2348	Ш	FLAMMABLE LIQUID		150	203	
N-Butylaniline       6.1       UN2738       II       POISON**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Butyl benzenes       3       UN2709       III       FLAMMABLE LIQUID       150       203         n-Butyl bromide, see       1-Bromobutane										
N-Butyl annine6.1012/3811POISON**153202special permit or 49CFR 173.13Butyl benzenes3UN2709IIIFLAMMABLE LIQUID150203n-Butyl bromide, see 1-Bromobutane		n-Butylamine	3 (8)	UN1125	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
n-Butyl bromide, see 1-BromobutaneImage: ChlorobutanesImage: Chlorobu		•								
n-Butyl chloride, see Chlorobutanes       Image: Chlorobutanes			3	UN2709	Ш	FLAMMABLE LIQUID		150	203	
D       sec-Butyl chloroformate       6.1 (3,8)       NA2742       I       POISON, FLAMMABLE LIQUID, CORROSIVE       2       None       227       Not Accepted by FedEx Ground         n-Butyl chloroformate       6.1 (3,8)       UN2743       I       POISON, CORROSIVE, FLAMMABLE LIQUID       2       None       227       Not Accepted by FedEx Ground         tert-Butylcyclohexylchloroformate       6.1       UN2747       II       POISON**       153       203       Accepted only when packaged under applicable special permit or 49CFR 173.13         1,2-Butylene oxide, stabilized       3       UN3022       II       FLAMMABLE LIQUID       150       202										
n-Butyl chloroformate       6.1 (3,8)       UN2743       1       POISON, CORROSIVE, FLAMMABLE LIQUID       2       None       227       Not Accepted by FedEx Ground         tert-Butylcyclohexylchloroformate       6.1       UN2747       II       POISON, CORROSIVE, FLAMMABLE LIQUID       2       None       227       Not Accepted by FedEx Ground         tert-Butylcyclohexylchloroformate       6.1       UN2747       II       POISON**       153       203       Accepted only when packaged under applicable special permit or 49CFR 173.13         1,2-Butylene oxide, stabilized       3       UN3022       II       FLAMMABLE LIQUID       150       202		n-Butyl chloride, see Chlorobutanes								
tert-Butylcyclohexylchloroformate       6.1       UN2747       III       POISON**       153       203       Accepted only when packaged under applicable special permit or 49CFR 173.13         1,2-Butylene oxide, stabilized       3       UN3022       II       FLAMMABLE LIQUID       150       202	D	sec-Butyl chloroformate	6.1 (3,8)	NA2742	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
Instruction     Instruction     Instruction     Instruction       1,2-Butylene oxide, stabilized     3     UN3022     II     FLAMMABLE LIQUID     150     202		n-Butyl chloroformate	6.1 (3,8)	UN2743	I	POISON, CORROSIVE, FLAMMABLE LIQUID	2	None	227	1 0
Dutylone and glas Datusloum gages liquofied 2.1 UN1012 ELAMMADIE CAS 10 206 204					П	i.				
		Butylene see also Petroleum gases, liquefied	2.1	UN1012		FLAMMABLE GAS	19	306	304	
Butyl ethers, see Dibutyl ethers		Butyl ethers, see Dibutyl ethers								

#### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Butyl ethyl ether, see Ethyl butyl ether								
	n-Butyl formate	3	UN1128	п	FLAMMABLE LIQUID		150	202	
	tert-Butyl hydroperoxide, with more than 90 percent with water	Forbid- den							
	tert-Butyl hypochlorite	4.2 (8)	UN3255	I	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE		None	211	Not Accepted by FedEx Ground
	N-n-Butyl imidazole	6.1	UN2690	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	tert-Butyl isocyanate	6.1 (3)	UN2484	Ι	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground
	n-Butyl isocyanate	6.1 (3)	UN2485	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Butyl mercaptans	3	UN2347	п	FLAMMABLE LIQUID		150	202	
	n-Butyl methacrylate, stabilized	3	UN2227	Ш	FLAMMABLE LIQUID		150	203	
	Butyl methyl ether	3	UN2350	П	FLAMMABLE LIQUID		150	202	
	Butyl nitrites	3	UN2351	Ι	FLAMMABLE LIQUID		150	201	
	Butyl nitrites	3	UN2351	П	FLAMMABLE LIQUID		150	202	
	Butyl nitrites	3	UN2351	III	FLAMMABLE LIQUID		150	203	
	tert-Butyl peroxyacetate, with more than 76 percent in solution	Forbid- den							
	n-Butyl peroxydicarbonate, with more than 52 percent in solution	Forbid- den							
	tert-Butyl peroxyisobutyrate, with more than 77 percent in solution	Forbid- den							
	Butyl phosphoric acid, see Butyl acid phosphate								
	Butyl propionates	3	UN1914	ш	FLAMMABLE LIQUID		150	203	
	Butyltoluenes	6.1	UN2667	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Butyltrichlorosilane	8 (3)	UN1747	П	CORROSIVE, FLAMMABLE LIQUID	N34	None	202	
	Butyl vinyl ether, stabilized	3	UN2352	п	FLAMMABLE LIQUID		150	202	
	1,4-Butynediol	6.1	UN2716	ш	POISON**		None	213	
	Butyraldehyde	3	UN1129	п	FLAMMABLE LIQUID		150	202	
	Butyraldoxime	3	UN2840	ш	FLAMMABLE LIQUID		150	203	
	Butyric acid	8	UN2820	ш	CORROSIVE		154	203	
	Butyric anhydride	8	UN2739	ш	CORROSIVE		154	203	
	Butyronitrile	3 (6.1)	UN2411	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Butyryl chloride	3 (8)	UN2353	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Cacodylic acid	6.1	UN1572	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Cadmium compounds	6.1	UN2570	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cadmium compounds	6.1	UN2570	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cadmium compounds	6.1	UN2570	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Caesium hydroxide	8	UN2682	Π	CORROSIVE		154	212	
	Caesium hydroxide solution	8	UN2681	П	CORROSIVE		154	202	
	Caesium hydroxide solution	8	UN2681	ш	CORROSIVE		154	203	
	Calcium	4.3	UN1401	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Calcium arsenate	6.1	UN1573	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Calcium bisulfite solution, see Bisulfites, inorganic, aqueous solutions, n.o.s.								
	Calcium carbide	4.3	UN1402	I	DANGEROUS WHEN WET**	N34	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Calcium carbide	4.3	UN1402	п	DANGEROUS WHEN WET**	N34	151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Calcium chlorate	5.1	UN1452	п	OXIDIZER	N34	152	212	
	Calcium chlorate aqueous solution	5.1	UN2429	Π	OXIDIZER	N41	152	202	
	Calcium chlorate aqueous solution	5.1	UN2429	ш	OXIDIZER	N41	152	203	
	Calcium chlorite	5.1	UN1453	П	OXIDIZER	N34	152	212	
	Calcium cyanamide with more than 0.1 percent of calcium carbide	4.3	UN1403	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Calcium cyanide	6.1	UN1575	I	POISON**	N79,N80	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Calcium dithionite or Calcium hydrosulfite	4.2	UN1923	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Calcium hydride	4.3	UN1404	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Calcium hydrosulfite see Calcium dithionite								
	<b>Calcium hypochlorite, dry</b> or <b>Calcium hypochlorite mixtures dry</b> with more than 39 percent available chlorine (8.8 percent available oxygen)	5.1	UN1748	п	OXIDIZER**	165,166, N34	152	212	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	<b>Calcium hypochlorite, dry</b> or <b>Calcium hypochlorite mixtures dry</b> with more than 39 percent available chlorine (8.8 percent available oxygen)	5.1	UN1748	ш	OXIDIZER**	165,171, N34	152	213	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixtures, with not less than 5.5 percent but not more than 16 percent water	5.1	UN2880	п	OXIDIZER**	165,166	152	212	<b>Not to exceed 10 lb. (4.54kg) per package-</b> see RQ Table
	<b>Calcium hypochlorite, hydrated</b> or <b>Calcium hypochlorite, hydrated</b> <b>mixtures,</b> with not less than 5.5 percent but not more than 16 percent water	5.1	UN2880	ш	OXIDIZER**	165,171	152	213	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	<b>Calcium hypochlorite mixtures, dry</b> , with more than 10 percent but not more than 39 percent available chlorine	5.1	UN2208	ш	OXIDIZER**	165,N34	152	213	<b>Not to exceed 10 lb. (4.54kg) per package-</b> see RQ Table
	Calcium manganese silicon	4.3	UN2844	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Calcium nitrate	5.1	UN1454	ш	OXIDIZER	34	152	213	
Α	Calcium oxide	8	UN1910	Ш	CORROSIVE		154	213	May not be regulated via highway
	Calcium perchlorate	5.1	UN1455	Π	OXIDIZER		152	212	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Calcium permanganate	5.1	UN1456	Π	OXIDIZER		152	212	
	Calcium peroxide	5.1	UN1457	п	OXIDIZER		152	212	
	Calcium phosphide	4.3 (6.1)	UN1360	I	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Calcium, pyrophoric or Calcium alloys, pyrophoric	4.2	UN1855	Ι	SPONTANEOUSLY COMBUSTIBLE		None	187	Not Accepted by FedEx Ground
	Calcium resinate	4.1	UN1313	ш	FLAMMABLE SOLID		None	213	
	Calcium resinate, fused	4.1	UN1314	Ш	FLAMMABLE SOLID		None	213	
	Calcium selenate, see Selenates or Selenites								
	Calcium silicide	4.3	UN1405	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Calcium silicide	4.3	UN1405	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Camphor oil	3	UN1130	Ш	FLAMMABLE LIQUID		150	203	
	Camphor, synthetic	4.1	UN2717	ш	FLAMMABLE SOLID		None	213	
	Cannon primers, see Primers, tubular								
	Caproic acid	8	UN2829	ш	CORROSIVE		154	203	
	Caps, blasting, see <b>Detonators</b> , etc.								
	<b>Carbamate pesticides, liquid, flammable, toxic</b> <i>flash point less than 23 degrees C</i>	3 (6.1)	UN2758	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Carbamate pesticides, liquid, flammable, toxic</b> <i>flash point less than 23 degrees C</i>	3 (6.1)	UN2758	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbamate pesticides, liquid, toxic	6.1	UN2992	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbamate pesticides, liquid, toxic	6.1	UN2992	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbamate pesticides, liquid, toxic	6.1	UN2992	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Carbamate pesticides, liquid, toxic, flammable</b> , <i>flash point not less than</i> 23 degrees C	6.1 (3)	UN2991	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Carbamate pesticides, liquid, toxic, flammable</b> , <i>flash point not less than</i> 23 degrees C	6.1 (3)	UN2991	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Carbamate pesticides, liquid, toxic, flammable</b> , <i>flash point not less than</i> 23 degrees C	6.1 (3)	UN2991	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbamate pesticides, solid, toxic	6.1	UN2757	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbamate pesticides, solid, toxic	6.1	UN2757	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbamate pesticides, solid, toxic	6.1	UN2757	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbolic acid, see Phenol, solid or Phenol, molten								
	Carbolic acid solutions, see Phenol solutions								
Ι	Carbon, activated	4.2		Ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
Ι	Carbon, animal or vegetable origin	4.2	UN1361	п	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
Ι	Carbon, animal or vegetable origin	4.2	UN1361	III	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Carbon bisulfide, see Carbon disulfide								
	Carbon dioxide	2.2	UN1013		NONFLAMMABLE GAS		306	302,304	
	Carbon dioxide and nitrous oxide mixtures	2.2	UN1015		NONFLAMMABLE GAS		306	None	
	Carbon dioxide and oxygen mixtures, compressed	2.2 (5.1)	UN1014		NONFLAMMABLE GAS,OXIDIZER	77	306	304	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Carbon dioxide, refrigerated liquid	2.2	UN2187		NONFLAMMABLE GAS		306	304	
AW	Carbon dioxide, solid or Dry Ice	9	UN1845	Ш	NONE		217	217	Not regulated via highway
	Carbon disulfide	3 (6.1)	UN1131	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbon monoxide and hydrogen mixture, compressed	2.3 (2.1)	UN2600		POISON GAS, FLAMMABLE GAS	6	None	302	Not Accepted by FedEx Ground
	Carbon monoxide, compressed	2.3 (2.1)	UN1016		POISON GAS, FLAMMABLE GAS	4	None	302	Not Accepted by FedEx Ground
D	Carbon monoxide, refrigerated liquid (cryogenic liquid)	2.3 (2.1)	NA9202		POISON GAS, FLAMMABLE GAS	4	None	316	Not Accepted by FedEx Ground
	Carbon tetrabromide	6.1	UN2516	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Carbon tetrachloride	6.1	UN1846	п	POISON**	N36	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Carbonyl chloride, see Phosgene								
	Carbonyl fluoride, compressed	2.3 (8)	UN2417		POISON GAS, CORROSIVE	2	None	302	Not Accepted by FedEx Ground
	Carbonyl sulfide	2.3 (2.1)	UN2204		POISON GAS, FLAMMABLE GAS	3	None	304	Not Accepted by FedEx Ground
	Cartridge cases, empty primed, see Cases, cartridge, empty, with primer								
	Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device								
	Cartridges, explosive, see Charges, demolition								
	Cartridges, flash	1.3G	UN0050	П	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Cartridges, flash	1.1G	UN0049	П			None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, blank	1.1C	UN0326	П			None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, blank	1.2C	UN0413	П	EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, blank or Cartridges, small arms blank	1.4S	UN0014	п	NONE		63	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges for weapons, blank or Cartridges, small arms blank	1.3C	UN0327	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, blank <i>or</i> Cartridges, small arms blank	1.4C	UN0338	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges for weapons, inert projectile	1.2C	UN0328	Π	EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, inert projectile <i>or</i> Cartridges, small arms	1.4S	UN0012	п	NONE		63	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges for weapons, inert projectile <i>or</i> Cartridges, small arms	1.4C	UN0339	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.3C	UN0417	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
_	Cartridges for weapons, with bursting charge	1.1F	UN0005	П	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, with bursting charge	1.1E	UN0006	П	EXPLOSIVE 1.1E		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, with bursting charge	1.2F	UN0007	П	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, with bursting charge	1.2E	UN0321	П	EXPLOSIVE 1.2E		None	62	Not Accepted by FedEx Ground
	Cartridges for weapons, with bursting charge	1.4F	UN0348	п	EXPLOSIVE 1.4F		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges for weapons, with bursting charge	1.4E	UN0412	п	EXPLOSIVE 1.4E		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Cartridges, oil well	1.3C	UN0277	П	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Cartridges, oil well	1.4C	UN0278	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges, power device	1.3C	UN0275	П	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Cartridges, power device	1.4C	UN0276	п	EXPLOSIVE 1.4C	110	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges, power device	1.2C	UN0381	П	EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
	Cartridges, power device	1.48	UN0323	п	EXPLOSIVE 1.4S	110	63	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
D	Cartridges power device (used to project fastening devices)	ORM-D			NONE		63	None	
	Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014)								
	Cartridges, safety, see Cartridges for weapons, other than blank or Cartridges, power device (UN 0323)								
	Cartridges, signal	1.48	UN0405	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cartridges, signal	1.3G	UN0054	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Cartridges, signal	1.4G	UN0312	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
D	Cartridges, small arms	ORM-D			NONE		63	None	See this section in the guide
	Cartridges, sporting, see Cartridges for weapons, other than blank								
	Cartridges, starter, jet engine, see Cartridges, power device								
	Cases, cartridge, empty with primer	1.48	UN0055	п	EXPLOSIVE 1.4S	50	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cases, cartridges, empty with primer	1.4C	UN0379	п	EXPLOSIVE 1.4C	50	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cases, combustible, empty, without primer	1.4C	UN0446	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cases, combustible, empty, without primer	1.3C	UN0447	П	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Casinghead gasoline see Gasoline								
AW	Castor beans or Castor meal or Castor pomace or Castor flake	9	UN2969	Π	NONE		155	204	May not be regulated via highway
G	Caustic alkali liquids, n.o.s.	8	UN1719	П	CORROSIVE		154	202	
G	Caustic alkali liquids, n.o.s.	8	UN1719	ш	CORROSIVE		154	203	
	Caustic potash, see Potassium hydroxide etc.								
	Caustic soda, (etc.) see Sodium hydroxide etc.	15					100	100	
	Cells, containing sodium	4.3	UN3292 UN2000	П Ш	DANGEROUS WHEN WET		189 None	189 213	Not Accepted by FedEx Ground
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap Celluloid, scrap	4.1	UN2000 UN2002	III III	FLAMMABLE SOLID SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Cement, see Adhesives containing flammable liquid	4.2	0112002	m	STONTANEOUSLY COMBUSTIBLE		rone	213	THUE ACCEPTED BY FEDEX GROUND
	Cerium, slabs, ingots, or rods	4.1	UN1333	п	FLAMMABLE SOLID	N34	None	212	
	Cerium, statos, ingois, or roas Cerium, turnings or gritty powder	4.3	UN3078	п	DANGEROUS WHEN WET**	107	151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151

D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1) (2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Cesium nitrate or Caesium nitrate	5.1	UN1451	ш	OXIDIZER		152	213	
Cesium or Caesium	4.3	UN1407	I	DANGEROUS WHEN WET**	N34,N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
D Charcoal briquettes, shell, screenings, wood, etc.	4.2	NA1361	ш	SPONTANEOUSLY COMBUSTIBLE		151	213	Accepted only packaged under 49CFR 173.151
Charges, bursting, plastics bonded	1.1D	UN0457	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Charges, bursting, plastics bonded	1.2D	UN0458	П	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
Charges, bursting, plastics bonded	1.4D	UN0459	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, bursting, plastics bonded	1.48	UN0460	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, demolition	1.1D	UN0048	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Charges, depth	1.1D	UN0056	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device								
Charges, explosive, commercial without detonator	1.1D	UN0442	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Charges, explosive, commercial without detonator	1.2D	UN0443	П	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
Charges, explosive, commercial without detonator	1.4D	UN0444	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, explosive, commercial without detonator	1.48	UN0445	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G Charges, propelling	1.1C	UN0271	Π	EXPLOSIVE 1.1C		None	62	Not Accepted by FedEx Ground
G Charges, propelling	1.3C	UN0272	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
G Charges, propelling	1.2C	UN0415	П	EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
G Charges, propelling	1.4C	UN0491	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, propelling, for cannon	1.3C	UN0242	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
Charges, propelling, for cannon	1.1C	UN0279	П	EXPLOSIVE 1.1C		None	62	Not Accepted by FedEx Ground
Charges, propelling, for cannon	1.2C	UN0414	П	EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
Charges, shaped, flexible, linear	1.4D	UN0237	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, shaped, flexible, linear	1.1D	UN0288	Π	EXPLOSIVE 1.1D	101	None	62	Not Accepted by FedEx Ground
Charges, shaped, without detonator	1.48	UN0441	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, shaped, without detonator	1.1D	UN0059	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Charges, shaped, without detonator	1.2D	UN0439	Π	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
Charges, shaped, without detonator	1.4D	UN0440	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Charges, supplementary explosive	1.1D	UN0060	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
D Chemical kit	8	NA1760	п	CORROSIVE		154	161	
Chemical kits	9	UN3316		CLASS 9	15	161	161	See Special Provision 15
Chloral, anhydrous, stabilized	6.1	UN2075	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chlorate and borate mixtures	5.1	UN1458	П	OXIDIZER	N34	152	212	

#### FedEx Ground Hazardous Materials Table

D.O.T. Basic Description for Haz						Packaging	(§173.***)		
Sym- bols Hazardous materials descriptions a	and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1) (2)		(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Chlorate and borate mixtures		5.1	UN1458	Ш	OXIDIZER	N34	152	213	
Chlorate and magnesium chloride mixtu	ıres solid	5.1	UN1459	П	OXIDIZER	N34	152	212	
Chlorate and magnesium chloride mixtu	ıres solid	5.1	UN1459	Ш	OXIDIZER	N34	152	213	
Chlorate and magnesium chloride mixtu	ires solution	5.1	UN3407	П	OXIDIZER	N34	152	202	
Chlorate and magnesium chloride mixtu	ires solution	5.1	UN3407	Ш	OXIDIZER	N34	152	203	
Chlorate of potash, see Potassium chlora	ıte								
Chlorate of soda, see Sodium chlorate									
Chlorates, inorganic, aqueous solution,	n.o.s.	5.1	UN3210	Π	OXIDIZER		152	202	
Chlorates, inorganic, aqueous solution,		5.1	UN3210	Ш	OXIDIZER		152	203	
Chlorates, inorganic, n.o.s.		5.1	UN1461	Π	OXIDIZER	N34	152	212	
Chloric acid aqueous solution, with not r acid	nore than 10 percent chloric	5.1	UN2626	п	OXIDIZER		None	229	Not Accepted by FedEx Ground
Chloride of phosphorus, see Phosphorus	trichloride								
Chloride of sulfur, see Sulfur chloride									
Chlorinated lime, see Calcium hypochlo	rite mixtures, etc.								
Chlorine	,	2.3 (8)	UN1017		POISON GAS, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
Chlorine azide		Forbid- den							<b>X V</b>
D Chlorine dioxide, hydrate, frozen		5.1 (6.1)	NA9191	П	OXIDIZER, POISON		None	229	Not Accepted by FedEx Ground
Chlorine dioxide (not hydrate)		Forbid- den							<b>X V</b>
Chlorine pentafluoride		2.3 (5.1,8)	UN2548		POISON GAS, OXIDIZER, CORROSIVE	1	None	304	Not Accepted by FedEx Ground
Chlorine trifluoride		2.3 (5.1,8)	UN1749		POISON GAS, OXIDIZER, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
Chlorites, inorganic, n.o.s.		5.1	UN1462	Π	OXIDIZER	N34	152	212	
Chlorite solution		8	UN1908	П	CORROSIVE	N34	154	202	
Chlorite solution		8	UN1908	ш	CORROSIVE	N34	154	203	
1-Chloro-1,1-difluoroethane or Refriger		2.1	UN2517		FLAMMABLE GAS		306	304	
1-Chloro-1,2,2,2-tetrafluoroethane or R		2.2	UN1021		NONFLAMMABLE GAS		306	304	
1-Chloro-2,2,2-trifluoroethane or Refri	gerant gas R 133a	2.2	UN1983		NONFLAMMABLE GAS		306	304	
3-Chloro-4-methylphenyl isocyanate, liq	luid	6.1	UN2236	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
3-Chloro-4-methylphenyl isocyanate, so	lid	6.1	UN3428	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chloroacetic acid, molten		6.1 (8)	UN3250	П	POISON, CORROSIVE		None	202	Not Accepted by FedEx Ground
Chloroacetic acid, solid		6.1 (8)	UN1751	п	POISON, CORROSIVE**	N34	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chloroacetic acid, solution		6.1 (8)	UN1750	п	POISON, CORROSIVE**	N34	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chloroacetone, stabilized		6.1 (3,8)	UN1695	Ι	POISON, FLAMMABLE LIQUID, CORROSIVE	2, N12, N32, N34	None	227	Not Accepted by FedEx Ground
Chloroacetone (unstabilized)		Forbid- den							
+ Chloroacetonitrile		6.1 (3)	UN2668	П	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
Chloroacetophenone, CN, liquid		6.1	UN3416	п	POISON**	N12,N32 N33, N34	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chloroacetophenone, CN, solid		6.1	UN1697	п	POISON**	N12,N32, N33, N34	None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chloroacetophenone, liquid CN		6.1	UN3416	п	POISON**	N12, N32, N33	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
Chloroacetophenone, solid (CN)		6.1	UN1697	п	POISON**	N12,N32, N33, N34	None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Chloroacetyl chloride	6.1 (8)	UN1752	I	POISON, CORROSIVE	2, N34, N43	None	227	Not Accepted by FedEx Ground
	Chloroanilines, liquid	6.1	UN2019	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chloroanilines, solid	6.1	UN2018	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chloroanisidines	6.1	UN2233	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorobenzene	3	UN1134	Ш	FLAMMABLE LIQUID		150	203	
	Chlorobenzol, see Chlorobenzene								
	Chlorobenzotrifluorides	3	UN2234	ш	FLAMMABLE LIQUID		150	203	
	Chlorobenzyl chlorides, liquid	6.1	UN2235	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorobenzyl chlorides, solid	6.1	UN3427	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorobutanes	3	UN1127	Π	FLAMMABLE LIQUID		150	202	
	Chlorocresols, solid	6.1	UN3437	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorocresols solution	6.1	UN2669	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Chlorocresols solution	6.1	UN2669	ш	POISON**		153	203	special permit or 49CFR 173.13
	Chlorodifluorobromomethane or Refrigerant gas R 12B1	2.2	UN1974		NONFLAMMABLE GAS		306	304	
	Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane	2.2	UN1973		NONFLAMMABLE GAS		306	304	
	Chlorodifluoromethane or Refrigerant gas R 22	2.2	UN1018		NONFLAMMABLE GAS		306	304	
+	Chlorodinitrobenzenes, liquid	6.1	UN1577	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorodinitro-benzenes, solid	6.1	UN3441	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Chlorodinitrobenzenes, solid	6.1	UN3441	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Chloroethanal	6.1	UN2232	Ι	POISON	2	None	227	Not Accepted by FedEx Ground
	Chloroform	6.1	UN1888	ш	POISON**	N36	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
G	Chloroformates, toxic, corrosive, flammable, n.o.s.	6.1 (8,3)	UN2742	п	POISON, CORROSIVE, FLAMMABLE LIQUID**	5	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Chloroformates, toxic, corrosive, n.o.s.	6.1 (8)	UN3277	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chloromethyl chloroformate	6.1 (8)	UN2745	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chloromethyl ethyl ether	3 (6.1)	UN2354	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Chloronitroanilines	6.1	UN2237	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Chloronitrobenzene, liquid ortho	6.1	UN3409	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Chloronitrobenzenes, solid meta or para, solid	6.1	UN1578	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

Product         Product <t< th=""><th></th><th>D.O.T. Basic Description for Hazardous Material Shipments</th><th></th><th></th><th></th><th></th><th></th><th>Packaging</th><th>(§173.***)</th><th></th></t<>		D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
n)(1)		Hazardous materials descriptions and proper shipping names			PG	Label codes		Exceptions	NonBulk	FedEx Ground Restrictions
Chloronitrothuenes, fiquid         6.1         1.Y2633         III         PDARA**         For         153         930         Arropete any bene package user opplexible social period or CPR 17.3.3           Chloronitrothuenes, figlid         6.1         I.Y367         III         PDARA**         For         133         930         Arropete any bene package user opplexible social period or CPR 17.3.3           Chloros-chuidine hydrochioride, solution         6.1         I.Y307         III         PDARA**         For         133         230         Arropete any bene package user opplexible social period or CPR 17.3.3           Chloros-chuidine hydrochioride, solution         6.1         I.Y307         III         PDARA**         For         330         Arropete any bene package user opplexible social period or CPR 17.3.3           Chlorosphenolste, figlid         PDARA**         III         CORRAVE         III         S00         S00           Chlorosphenolste, figlid         PDARA***         III         CORRAVE         IIII         S00         Arropete any bene package user opplexible social period or CPR 17.3.3           Chlorosphenolste, figlid         PDARA****         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	DOIS		Division	Numbers			provisions			
Charmany Lange (1900)         6.1         (NAS)         10         POISON**         10         13         200         appead partiel of CRE N13.1           Chores-studiations-siol         Chores-studiations-studiates-studia	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	
Chronipolitics lydiochloride, solid         6.4         CMS9         10         POBON**         CMS         10         200         Accepted any bare parkaged more spekhols           d Chloroschulidine lydorchloride, solution         6.4         IN38         10         POBON**         155         2.0         Accepted any bare parkaged more spekhols           C horospectralisero-chunidine lydorchloride, solution         6.41         IN38         10         POBON**         155         2.0         Accepted any bare parkaged more spekhols           C horospectralisero-chunidine lydorchloride, solution         6.41         IN39         10         POBON**         155         2.0         Asset         2.00           C horospheronists, liquid // Phenolites, solid         6.1         IN39         10         COBONY*         155         2.0         Asset         4.0         2.00         Asset         2.0         Asset         4.0         2.0         Asset         2.0         Asset         2.0         Not Accepted by Felf S Ground           C horospherin mixtures, na.a.         6.1         IN38         1         COBONY*         2.0         Not Accepted by Felf S Ground         Not Accepted by Felf S Ground         Accepted any bare parkaged more sphekhols         2.0         Not Accepted by Felf S Ground         2.0         Not Accep		Chloronitrotoluenes, liquid	6.1	UN2433	ш	POISON**		153	203	special permit or 49CFR 173.13
Hernic Annula Manuel Marcel Markel		Chloronitrotoluenes, solid	6.1	UN3457	ш	POISON**		153	213	special permit or 49CFR 173.13
Handbar-bandling by/refunding, without have, without hav		4-Chloro-o-toluidine hydrochloride, solid	6.1	UN1579	ш	POISON**		153	213	special permit or 49CFR 173.13
Charon benalters, singli of Phenoletics, solid         9         0.9         0.02000         101         0.02000         115         2.00           Charon benalters, solid         0.02000         0.02000         0.02000         0.02000         115         2.01         Accepted any when packaged under applicable gaced a period are of CR 17.3.3           Charon benalt, charon benathet, charon benalt, charon benalt, charon benalt, cha		•			ш					
Image: Section of the sectin of the section of the sectin				-						
Chlorophenok, ilquid6.1UN201IIPOISON**IIFAIAccepted why who packaged under applicable special predict and when applicable special predict and well p			-							
Chrosphends, highKalUsadKalUsadInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXInUNXXXXInUNXXXXInUNXXXXInUNXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		Chlorophenolates, solid or Phenolates, solid	8	UN2905	ш	CORROSIVE		154	213	
Charophenes, solid         6.0         6.0         6.0         7.00         7.00         7.00         7.00         7.00         7.000          7.000          <		Chlorophenols, liquid	6.1	UN2021	ш	POISON**		153	203	special permit or 49CFR 173.13
Chloropicrin         6.1         UN150         1         PDISON         2         Now         227         Not Accepted by Fells: Ground           Chloropicrin and methyl chloride mixtures         2.3         UN152         2         None         27         Not Accepted by Fells: Ground           Chloropicrin mixtures, flammable (pressure not exceeding 14.7 pist at 115 degrees F flas pioni below 100 degrees 7) see Tokic hquids, flammable, etc.         Chloropicrin mixtures, no.s.         S         None         20         Not Accepted by Fells: Ground           Chloropicrin mixtures, no.s.         6.1         UN158         1         POISON*         5         None         201         Accepted only breaked onder splichde greit press of control on the press of t										
Chloropicrin and methyl bromide mixtures2.3IVIS8POISON GAS2.Nore9.3Nort Accepted by FedEs GroundChloropicrin and methyl bloride mixtures, flammable (pressure not exceeding 147 psia at 115 degrees F lash point below 100 degrees F) see Toxic liquids, flammable, etc.2.3IVIS81POISON GAS2.3Nore9.3Nort Accepted by FedEs GroundChloropicrin mixtures, flammable (pressure not exceeding 147 psia at 115 degrees F lash point below 100 degrees F) see Toxic liquids, flammable, etc.6.4IVIS81POISON**5.5Nore2.01Accepted only when packaged under applicable special permit ar 90 PR 17.3.1Chloropicrin mixtures, no.s.6.4IVIS81POISON**5.5Nore2.01Accepted only when packaged under applicable special permit ar 90 PR 17.3.1D Chloropischi mixtures, no.s.6.1IVIS81POISON**2.Nore2.01Accepted only when packaged under applicable special permit ar 90 PR 17.3.1D Chloropischi mixtures, no.s.6.1IVIS91POISON**2.Nore2.01Accepted only when packaged under applicable special permit ar 90 PR 17.3.1D Chloropischi mixtures, no.s.6.1IVIS91POISON**2.Nore2.01Accepted only when packaged under applicable special permit ar 90 PR 17.3.1D Chloropischi mixtures, no.s.6.1IVIS91POISON**2.Nore2.01Accepted only when packaged under applicable special permit ar 90 PR 17.3.1D Chloropischi mixtures, no.s.7<					П	CORROSIVE		None		
Chloropicrin and methyl chloride mixtures       2.3       UN182       POISON GAS       2       Now       193       Not Accepted by FedEx Ground         Chloropicrin mixtures, flammable (pressure not exceeding 14.7 paint 115) degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (pressure not exceeding 14.7 paint 126 degrees F) see Toxic liquids, flammable (p	+				Ι					* *
Chloropictin mixture, flommable (pressure not exceeding 14.7 psiza at 115)       or       s </td <td></td>										
general set flash point below 100 degrees F) see Toxic liquids, flammable, orinininininininChoropicrin mixtures, n.o.s.6.1UN1581POISON**5None201Accepted only when packaged under applicable applicable appearance #CER T3.13DChoropicrin mixtures, n.o.s.6.1UN1581POISON**1153203Accepted only when packaged under applicable applica		1 2	2.3	UN1582		POISON GAS	2	None	193	Not Accepted by FedEx Ground
Chloropicrin mixtures, n.o.s.6.16.16.16.17FOSON**5Name2.01Special permin or ACCR 17.3.3Chloropicrin mixtures, n.o.s.6.11.1181POISON**1.51.532.01Special permin or ACCR 17.3.3D Chloropixaloyl chloride6.16N.32831POISON**2Nome2.01Special permin or ACCR 17.3.3D Chloropixaloyl chloride6.16N.32831POISON**2Nome2.02Special permin or ACCR 17.3.3D Chloropixaloyl chloride6.16N.32831POISON**2Nome2.02Special permin or ACCR 17.3.3D Chloropiraloyl chloride6.16N.32831POISON**2Nome2.02Special permit or ACCR 17.3.13D Chloropirane, uninhibited6.16N.32831POISON**2Nome2.02Special permit or ACCR 17.3.13D Chloropirane, uninhibited7Fohd-4m71ChloropiraneNome2.02Special permit or ACCR 17.3.13D Chloropirane3UN2281FLAMMABLE LIQUIDN34Nome2.02Special permit or ACCR 17.3.13D Chloropirane3UN2281PLAMMABLE LIQUIDN34Nome2.02Special permit or ACCR 17.3.13D Chloropirane3UN2281PLAMMABLE LIQUIDN34Nome2.02Accepted only when packaged under applicableD Chloropirane3UN2281PLAMMABLE LIQUIDN54154 <td></td> <td>degrees F flash point below 100 degrees F) see Toxic liquids, flammable,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		degrees F flash point below 100 degrees F) see Toxic liquids, flammable,								
Chloropierin mixtures, n.o.s.6.06.00.1850001800.185202Accepted only then package 10.13DChloropierin mixtures, n.o.s.6.10.18500 </td <td></td> <td>Chloropicrin mixtures, n.o.s.</td> <td>6.1</td> <td>UN1583</td> <td>I</td> <td>POISON**</td> <td>5</td> <td>None</td> <td>201</td> <td>special permit or 49CFR 173.13</td>		Chloropicrin mixtures, n.o.s.	6.1	UN1583	I	POISON**	5	None	201	special permit or 49CFR 173.13
Chloropicrin mixtures, n.o.s.ChlON		Chloropicrin mixtures, n.o.s.	6.1	UN1583	п	POISON**		153	202	special permit or 49CFR 173.13
NoneNone154213Accepted only when packaged under applicable special permit or 49C R 173.13Chloroprene, stabilized3 (G.)UN19911FLAMMABLE LIQUID, POISON*#None201Accepted only when packaged under applicable special permit or 49C R 173.13Chloroprene, uninhibitedForbid-denIIFLAMMABLE LIQUIDN34None201Accepted only when packaged under applicable special permit or 49C R 173.13I-Chloropropane3UN236IFLAMMABLE LIQUIDN34None202International applicable special permit or 49C R 173.132-Chloropropane3UN236IFLAMMABLE LIQUIDN36150201International applicable special permit or 49C R 173.132-Chloropropane6.1UN284IIFLAMMABLE LIQUIDN36150201International applicable special permit or 49C R 173.132-Chloropropinic acid8UN285IIFLAMMABLE LIQUIDN36150201International applicable special permit or 49C R 173.132-Chloropropinic acid8UN281IICORROSIVEInternational applicable special permit or 49C R 173.13202Accepted only when packaged under applicable special permit or 49C R 173.13Chlorosilanes, corrosive, n.o.s.6.1UN282IIPOISON**International applicable special permit or 49C R 173.13Chlorosilanes, corrosive, n.o.s.3UN286IIFLAMMABLE LIQUIDNone202Chlorosilanes, corrosive, n.o.s.3UN286			6.1	UN1583	ш	POISON**		153		special permit or 49CFR 173.13
Chloroprene, stabilized3 (6.)UN1991FLAMMABLE LIQUID, POISON**None20Accepted only when packaged under applicable special permit or 49CFR 173.13Chloroprene, uninhibitedForbid-denVVVVVVVI-Chloropropane3UN1278IIFLAMMABLE LIQUIDN34None202V2-Chloropropane3UN1278IIFLAMMABLE LIQUIDN34None202V3-Chloropropane6.1UN238IIFLAMMABLE LIQUIDN36150201Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropane6.1UN2456IFLAMMABLE LIQUIDN36150201Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropene3UN2456IFLAMMABLE LIQUIDN36150201Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropinic acid6.1UN282IIPOISON**I153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, flammable, no.s.8.0UN287IICORROSIVE, FLAMMABLE LIQUIDN66154202Chlorosilanes, toxic, corrosive, flammable, no.s.6.1(3.9)UN287IIFLAMMABLE LIQUID, CORROSIVE154204Chlorosilanes, toxic, corrosive, flammable, no.s.6.1(3.9)UN362IIFLAMMABLE LIQUID, CORROSIVE154204Chlorosilanes	D			-	Ι		2			Not Accepted by FedEx Ground
Chloroprene, stabilizedS (6.1)CH (0)CH (0)FLAMMABLE LLQUID, CORROSIVENone201Special permit or 49CFR 173.13Chloroprene, uninhibitedForbid-denIIFLAMMABLE LLQUIDN34None202I-Chloropropane3UN235IFLAMMABLE LLQUIDN361502012-Chloropropanel-1G.1UN235IFLAMMABLE LLQUIDN361502012-Chloropropane3.1UN235IFLAMMABLE LLQUIDN361502012-Chloropropane3.1UN235IFLAMMABLE LLQUIDN361502012-Chloropropane3.1UN235IFLAMMABLE LLQUIDN361502012-Chloropropinic acid6.1UN284IICORROSIVE1542032-Chloropropinic acid8.1UN2511IIICORROSIVE154203Chlorosilanes, corrosive, flammable, n.o.s.8.1UN298ICORROSIVE, FLAMMABLE LLQUIDN36201Chlorosilanes, corrosive, n.o.s.8.1UN298ICORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, n.o.s.8.1UN298IICORROSIVE154201Chlorosilanes, toxic, corrosive, n.o.s.6.1W13362IPOISON, FLAMMABLE LLQUID, CORROSIVE153202Accepted only when packaged under applicable corrosive, n.o.s.Chlorosilanes, toxic, corrosive, n.o.s.6.1W13362 <t< td=""><td></td><td>Chloroplatinic acid, solid</td><td>8</td><td>UN2507</td><td>ш</td><td>CORROSIVE</td><td></td><td>154</td><td>213</td><td></td></t<>		Chloroplatinic acid, solid	8	UN2507	ш	CORROSIVE		154	213	
I-Chloropropane3UN1278IIFLAMMABLE LIQUIDN34None2022-Chloropropane3UN235IFLAMMABLE LIQUIDN361502013-Chloropropanol-16.1UN284IIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropene3UN2456IFLAMMABLE LIQUIDN36150201Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropinic acid8UN2151IICORROSIVE154203Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, flammable, n.o.s.8(3)UN296IIOCRROSIVE, FLAMMABLE LIQUIDNone202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, flammable, n.o.s.8(3)UN296IICORROSIVE, FLAMMABLE LIQUIDNone202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, flammable, n.o.s.3(8)UN298IIFLAMMABLE LIQUID, CORROSIVE150201Chlorosilanes, toxic, corrosive, flammable, n.o.s.6.1 (8)UN396IIPOISON, FLAMMABLE LIQUID, CORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, n.o.s.6.1 (8)UN396IIPOISON, FLAMMABLE LIQUID, CORROSIVE150201Chlorosilanes, water-reactive, flammable, n.o.s.6.1 (8)UN396				UN1991	I	FLAMMABLE LIQUID, POISON**		None	201	
2-Chloropropane3UN2351FLAMMABLE LIQUIDN36150201Control3-Chloropropanol-16.1UN284IIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropene3UN2451FLAMMABLE LIQUIDN36150201Control2-Chloropropinic acid8UN215IICORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropyridine6.1UN282IIPOISON**163153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, flammable, no.s.6.1UN282IICORROSIVE, FLAMMABLE LIQUIDNone202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, no.s.8UN298IICORROSIVE, FLAMMABLE LIQUIDNone202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, no.s.8UN298IIFLAMMABLE LIQUID, CORROSIVE154202Accepted only when packaged under applicable CORROSIVE**Chlorosilanes, toxic, corrosive, flammable, no.s.6.1UN393IIPOISON, FLAMMABLE LIQUID, CORROSIVE153202Accepted only when packaged under applicable Special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, no.s.6.1UN395IIPOISON, FLAMMABLE LIQUID, CORROSIVE**153202Accepted on		*								
Solution preprint6.1UN2849IIIPOISON**153203Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropropene3UN24561FLAMMABLE LIQUIDN361502012-Chloropropionic acid8UNS11IICORROSIVE1542032-Chloropyridine6.1UN2822IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.132-Chloropyridine6.1UN2822IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, na.s.8(3)UN2986IICORROSIVE154202Chlorosilanes, toxic, corrosive, na.s.3(8)UN2985IIFLAMMABLE LIQUID, CORROSIVE150201Chlorosilanes, toxic, corrosive, na.s.6.1 (3.8)UN3362IIPOISON, FLAMMABLE LIQUID, CORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, na.s.6.1 (3.8)UN3362IIPOISON, FLAMMABLE LIQUID, CORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.33Chlorosilanes, toxic, corrosive, n.o.s.6.1 (8)UN3361IIPOISON, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.33Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.4.3 (3.8)UN2988IDANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE** <t< td=""><td></td><td></td><td>-</td><td></td><td>П</td><td></td><td></td><td></td><td></td><td></td></t<>			-		П					
S-Choropropanol-16.10.12,3911POISON-40.1153203Accepted apermit or 49CFR 173.132-Choropropene30.12,4561FLAMMABLE LIQUIDN361502012-Choropropioni acid80.12,1111CORROSIVE154203Accepted only when packaged under applicable2-Choropyridine6.10.12,82211POISON+416153202Accepted only when packaged under applicableChorosilanes, corrosive, flammable, n.o.s.8.30.12,98711CORROSIVE, FLAMMABLE LIQUIDNoe202Accepted only when packaged under applicableChorosilanes, corrosive, flammable, n.o.s.8.30.12,98711CORROSIVE, FLAMMABLE LIQUID, CORROSIVE150202Accepted only when packaged under applicableChorosilanes, toxic, corrosive, flammable, n.o.s.3.680.12,98711FLAMMABLE LIQUID, CORROSIVE150201Chorosilanes, toxic, corrosive, flammable, n.o.s.6.1 (3.8)0.1336211FLAMMABLE LIQUID, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chorosilanes, toxic, corrosive, flammable, corrosive, n.o.s.6.1 (3.8)0.1336211POISON, FLAMMABLE LIQUID, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chorosilanes, toxic, corrosive, flammable, corrosive, n.o.s.6.1 (3.8)0.133811POISON, CARROSIVE**153202Accepted only when packaged under applicable special p		2-Chloropropane	3	UN2356	Ι	FLAMMABLE LIQUID	N36	150	201	
2-Chloropyridine8UN2511IIICORROSIVE1542032-Chloropyridine6.1UN2822IIPOISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, corrosive, flammable, n.o.s.8 (3)UN2986IICORROSIVE, FLAMMABLE LIQUIDNone202Chlorosilanes, corrosive, n.o.s.8UN2987IICORROSIVE, FLAMMABLE LIQUIDNone202Chlorosilanes, flammable, corrosive, n.o.s.8UN2987IIFLAMMABLE LIQUID, CORROSIVE154202Chlorosilanes, toxic, corrosive, flammable, n.o.s.3 (8)UN2985IIFLAMMABLE LIQUID, CORROSIVE150201Chlorosilanes, toxic, corrosive, flammable, n.o.s.6.1 (3.8)UN3362IIPOISON, FLAMMABLE LIQUID, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, n.o.s.6.1 (8)UN3361IIPOISON, CORROSIVE153202Accepted only when packaged under applicable exemptin or 49CFR 173.13Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.6.1 (8)UN361IIPOISON, CORROSIVE153202Accepted only when packaged under applicable exemptin or 49CFR 173.13*Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.4.3 (3.8)UN2988IDANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**None201Accepted only when packaged under applicable special permit or 49CFR 173.13*Chlorosilane										
2-Chloropyridine6.1UN2821POISON**153202Accepted only when packaged under applicable special permit or 49CFR 173.130Chlorosilanes, corrosive, flammable, n.o.s.8(3)UN29861CORROSIVE, FLAMMABLE LIQUID, ORROSIVENone202Accepted only when packaged under applicable special permit or 49CFR 173.130Chlorosilanes, corrosive, n.o.s.8(3)UN29861CORROSIVE, FLAMMABLE LIQUID, CORROSIVE**154202Accepted only when packaged under applicable special permit or 49CFR 173.130Chlorosilanes, toxic, corrosive, flammable, n.o.s.6.1 (38)UN33621POISON, FLAMMABLE LIQUID, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.131Chlorosilanes, toxic, corrosive, n.o.s.6.1 (8)UN33611POISON, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.131Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.6.1 (8)UN33611POISON, CORROSIVE**153202Accepted only when packaged under applicable exemption or 49CFR 173.131Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.6.1 (8)UN33611POISON, CORROSIVE**1153202Accepted only when packaged under applicable exemption or 49CFR 173.131Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.6.1 (8)UN33611ORAGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**1530201Accepted only w				-		_	N36			
2-Chloropyrdine6.1UN2221POISON**153202Special permit or 40CFR 173.13MoneChlorosilanes, corrosive, flammable, n.o.s.8 (3)UN2986IICORROSIVE, FLAMMABLE LIQUIDNone202Chlorosilanes, corrosive, n.o.s.8UN2987IICORROSIVE154202Chlorosilanes, flammable, corrosive, n.o.s.3 (8)UN2985IIFLAMMABLE LIQUID, CORROSIVE150201Chlorosilanes, toxic, corrosive, flammable, n.o.s.6.1 (3.8)UN3362IIPOISON, FLAMMABLE LIQUID, CORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, toxic, corrosive, n.o.s.6.1 (8.9)UN3361IIPOISON, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.6.1 (8.9)UN3361IIPOISON, CORROSIVE153202Accepted only when packaged under applicable special permit or 49CFR 173.13Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.6.1 (8.9)UN2988IDANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**153202Accepted only when packaged under applicable special permit or 49CFR 173.13+Chlorosulfonic acid (with or without sulfur trioxide)8 (6.1)UN1754ICORROSIVE, POISON2None201Accepted only when packaged under applicable special permit or 49CFR 173.13		2-Chloropropionic acid	8	UN2511	ш	CORROSIVE		154	203	
Chlorosilanes, corrosive, n.o.s.       None       154       202         Chlorosilanes, corrosive, n.o.s.       3 (8)       UN2985       II       FLAMMABLE LIQUID, CORROSIVE       150       201         Chlorosilanes, toxic, corrosive, flammable, n.o.s.       3 (8)       UN3362       II       POISON, FLAMMABLE LIQUID, CORROSIVE**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3362       II       POISON, CORROSIVE**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3362       II       POISON, CORROSIVE       153       202       Accepted only when packaged under applicable exemptin or 49CFR 173.13         Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.       4.3 (3.8)       UN2988       I       DANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**       None       201       Accepted only when packaged under applicable special permit or 49CFR 173.13         +       Chlorosulfonic acid (with or without sulfur trioxide)       8 (6.1)       UN1754       I       CORROSIVE, POISON       2       None       227       Not Accepted by FedEx Ground									-	
Chlorosilanes, flammable, corrosive, n.o.s.       3 (8)       UN2985       I       FLAMMABLE LIQUID, CORROSIVE       150       201         Chlorosilanes, toxic, corrosive, flammable, n.o.s.       6.1 (3.8)       UN3362       II       POISON, FLAMMABLE LIQUID, CORROSIVE**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3362       II       POISON, CORROSIVE**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3361       II       POISON, CORROSIVE       153       202       Accepted only when packaged under applicable exemptin or 49CFR 173.3         Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.       4.3 (3.8)       UN2988       I       DANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**       None       201       Accepted only when packaged under applicable special permit or 49CFR 173.13         +       Chlorosulfonic acid (with or without sulfur trioxide)       8 (6.1)       UN1754       I       CORROSIVE, POISON       2       None       227       Not Accepted by FedEx Ground										
And considences, toxic, corrosive, flammable, n.o.s.       6.1 (3.8)       UN3362       II       POISON, FLAMMABLE LIQUID, CORROSIVE**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3362       II       POISON, FLAMMABLE LIQUID, CORROSIVE**       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3361       II       POISON, CORROSIVE       153       202       Accepted only when packaged under applicable special permit or 49CFR 173.13         Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.       4.3 (3.8)       UN2988       I       DANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**       None       201       Accepted only when packaged under applicable special permit or 49CFR 173.13         +       Chlorosulfonic acid (with or without sulfur trioxide)       8 (6.1)       UN1754       I       CORROSIVE, POISON       2       None       227       Not Accepted by FedEx Ground		, , ,	-							
Chlorosilanes, toxic, corrosive, n.o.s.       6.1 (8)       UN3361       II       POISON, CORROSIVE       153       202       Accepted only when packaged under applicable exemption or 49CFR 173.3         Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.       4.3 (3.8)       UN2988       1       DANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**       None       201       Accepted only when packaged under applicable special permit or 49CFR 173.3         +       Chlorosulfonic acid (with or without sulfur trioxide)       8 (6.1)       UN1754       I       CORROSIVE, POISON       2       None       227       Not Accepted by FedEx Ground						POISON, FLAMMABLE LIQUID,				
Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.       4.3 (3,8)       UN2988       1       DANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**       None       201       Accepted only when packaged under applicable special permit or 49CFR 173.13         +       Chlorosulfonic acid (with or without sulfur trioxide)       8 (6.1)       UN1754       I       CORROSIVE, POISON       2       None       227       Not Accepted by FedEx Ground		Chlorosilanes, toxic, corrosive, n.o.s.	6.1 (8)	UN3361	п			153	202	Accepted only when packaged under applicable
		Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3 (3,8)	UN2988	Ι			None	201	Accepted only when packaged under applicable
Chlorotoluenes     3     UN2238     III     FLAMMABLE LIQUID     150     203	+	Chlorosulfonic acid (with or without sulfur trioxide)	8 (6.1)	UN1754	Ι	CORROSIVE, POISON	2	None	227	Not Accepted by FedEx Ground
		Chlorotoluenes	3	UN2238	ш	FLAMMABLE LIQUID		150	203	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Chlorotoluidines, liquid	6.1	UN3429	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorotoluidines, solid	6.1	UN2239	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane	2.2	UN2599		NONFLAMMABLE GAS		306	304	
	Chlorotrifluoromethane or Refrigerant gas R 13	2.2	UN1022		NONFLAMMABLE GAS		306	304	
	Chromic acid solution	8	UN1755	п	CORROSIVE		154	202	<b>Not to exceed 10 lb. (4.54kg) per package-</b> see RQ Table
	Chromic acid solution	8	UN1755	ш	CORROSIVE		154	203	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Chromic anhydride, see Chromium trioxide, anhydrous								
	Chromic fluoride, solid	8	UN1756	П	CORROSIVE		154	212	
	Chromic fluoride, solution	8	UN1757	П	CORROSIVE		154	202	
	Chromic fluoride, solution	8	UN1757	ш	CORROSIVE		154	203	
	Chromium nitrate	5.1	UN2720	ш	OXIDIZER		152	213	
	Chromium oxychloride	8	UN1758	Ι	CORROSIVE	N34	None	201	
	Chromium trioxide, anhydrous	5.1 (8)	UN1463	Π	OXIDIZER, CORROSIVE		None	212	
	Chromosulfuric acid	8	UN2240	Ι	CORROSIVE	N34	None	201	
	Chromyl chloride, see Chromium oxychloride								
	Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter								
	refills containing flammable gas								
	Coal briquettes, hot	Forbid- den							
	Coal gas, compressed	2.3 (2.1)	UN1023		POISON GAS, FLAMMABLE GAS	3	None	302	Not Accepted by FedEx Ground
	Coal tar distillates, flammable	3	UN1136	Π	FLAMMABLE LIQUID		150	202	
	Coal tar distillates, flammable	3	UN1136	ш	FLAMMABLE LIQUID		150	203	
	Coal tar dye, corrosive, liquid, n.o.s, see <b>Dyes, liquid</b> or <b>solid, n.o.s</b> . or <b>Dye intermediates, liquid</b> or <b>solid, corrosive, n.o.s.</b>								
	<b>Coating solution</b> (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	UN1139	I	FLAMMABLE LIQUID		150	201	
	<b>Coating solution</b> (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	UN1139	п	FLAMMABLE LIQUID		150	202	
	<b>Coating solution</b> (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	UN1139	ш	FLAMMABLE LIQUID		150	203	
	Cobalt naphthenates, powder	4.1	UN2001	Ш	FLAMMABLE SOLID		151	213	
	Cobalt resinate, precipitated	4.1	UN1318	Ш	FLAMMABLE SOLID		151	213	
	Coke, hot	Forbid- den							
	Collodion, see Nitrocellulose, etc.								
	Combustible liquid, n.o.s.	Com-bustible liquid	NA1993	ш	NONE		150	203	May not be regulated via highway
G	Components, explosive train, n.o.s.	1.2B	UN0382	П	EXPLOSIVE 1.2B	101	None	62	Not Accepted by FedEx Ground
G	Components, explosive train, n.o.s.	1.4B	UN0383	п	EXPLOSIVE 1.4B	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)

	D.O.T. Basic Description for Hazardous Material Shipments							(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Components, explosive train, n.o.s.	1.48	UN0384	п	EXPLOSIVE 1.4S	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Components, explosive train, n.o.s.	1.1B	UN0461	Π	EXPLOSIVE 1.1B	101	None	62	Not Accepted by FedEx Ground
	Composition B, see Hexolite, etc.								
D,G	Compounds, cleaning liquid	8	NA1760	Ι	CORROSIVE		None	201	
D,G	Compounds, cleaning liquid	8	NA1760	Π	CORROSIVE	N37	154	202	
D,G	Compounds, cleaning liquid	8	NA1760	ш	CORROSIVE	N37	154	203	
D,G	Compounds, cleaning liquid	3	NA1993	Ι	FLAMMABLE LIQUID		150	201	
D,G	Compounds, cleaning liquid	3	NA1993	Π	FLAMMABLE LIQUID		150	202	
D,G	Compounds, cleaning liquid	3	NA1993	Ш	FLAMMABLE LIQUID		150	203	
D,G	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	8	NA1760	Ι	CORROSIVE		None	201	
D,G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	8	NA1760	Π	CORROSIVE	N37	154	202	
D,G	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	8	NA1760	Ш	CORROSIVE	N37	154	203	
D,G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	Ι	FLAMMABLE LIQUID		150	201	
D,G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	Π	FLAMMABLE LIQUID		150	202	
D,G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	Ш	FLAMMABLE LIQUID		150	203	
D,G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
D,G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Compressed gas, flammable, n.o.s.	2.1	UN1954		FLAMMABLE GAS		306	302, 305	
G	Compressed gas, n.o.s.	2.2	UN1956		NONFLAMMABLE GAS		306,307	302,305	
	Compressed gas, oxidizing, n.o.s.	2.2 (5.1)	UN3156		NONFLAMMABLE GAS, OXIDIZER		306	302	
G, I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3 (8)	UN3304		POISON GAS, CORROSIVE	1	None	192	Not Accepted by FedEx Ground
_	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3 (8)	UN3304		POISON GAS, CORROSIVE	2	None	302,305	Not Accepted by FedEx Ground
G, I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3 (8)	UN3304		POISON GAS, CORROSIVE	3	None	302,305	Not Accepted by FedEx Ground
G, I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D	2.3 (8)	UN3304		POISON GAS, CORROSIVE	4	None	302,305	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, flammable, corrosive, n.o.s.</b> Inhalation Hazard Zone A	2.3 (2.1,8)	UN3305		POISON GAS, FLAMMABLE GAS, CORROSIVE	1	None	192	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, flammable, corrosive, n.o.s.</b> <i>Inhalation Hazard</i> <i>Zone B</i>	2.3 (2.1,8)	UN3305		POISON GAS, FLAMMABLE GAS, CORROSIVE	2	None	302,305	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, flammable, corrosive, n.o.s.</b> <i>Inhalation Hazard</i> <i>Zone C</i>	2.3 (2.1,8)	UN3305		POISON GAS, FLAMMABLE GAS, CORROSIVE	3	None	302,305	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, flammable, corrosive, n.o.s.</b> <i>Inhalation Hazard</i> <i>Zone D</i>	2.3 (2.1,8)	UN3305		POISON GAS, FLAMMABLE GAS, CORROSIVE	4	None	302,305	Not Accepted by FedEx Ground
G	Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone A	2.3 (2.1)	UN1953		POISON GAS, FLAMMABLE GAS	1	None	192	Not Accepted by FedEx Ground
G	Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone B	2.3 (2.1)	UN1953		POISON GAS, FLAMMABLE GAS	2	None	302,305	Not Accepted by FedEx Ground
G	Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone C	2.3 (2.1)	UN1953		POISON GAS, FLAMMABLE GAS	3	None	302,305	Not Accepted by FedEx Ground
G	Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone D	2.3 (2.1)	UN1953		POISON GAS, FLAMMABLE GAS	4	None	302,305	Not Accepted by FedEx Ground
G	Compressed gas, toxic, n.o.s. Inhalation Hazard Zone A	2.3	UN1955		POISON GAS	1	None	192	Not Accepted by FedEx Ground
G	<b>Compressed gas, toxic, n.o.s.</b> Inhalation Hazard Zone B	2.3	UN1955		POISON GAS	2	None	302,305	Not Accepted by FedEx Ground
G	<b>Compressed gas, toxic, n.o.s.</b> Inhalation Hazard Zone C	2.3	UN1955		POISON GAS	3	None	302,305	Not Accepted by FedEx Ground
G	<b>Compressed gas, toxic, n.o.s.</b> Inhalation Hazard Zone D	2.3	UN1955		POISON GAS	4	None	302,305	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, oxidizing, corrosive, n.o.s.</b> Inhalation Hazard Zone A	2.3 (5.1,8)	UN3306		POISON GAS, OXIDIZER, CORROSIVE	1	None	192	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G, I	<b>Compressed gas, toxic, oxidizing, corrosive, n.o.s.</b> <i>Inhalation Hazard</i> <i>Zone B</i>	2.3 (5.1,8)	UN3306		POISON GAS, OXIDIZER, CORROSIVE	2	None	302,305	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, oxidizing, corrosive, n.o.s.</b> Inhalation Hazard Zone C	2.3 (5.1,8)	UN3306		POISON GAS, OXIDIZER, CORROSIVE	3	None	302,305	Not Accepted by FedEx Ground
G, I	<b>Compressed gas, toxic, oxidizing, corrosive, n.o.s.</b> Inhalation Hazard Zone D	2.3 (5.1,8)	UN3306		POISON GAS, OXIDIZER, CORROSIVE	4	None	302,305	Not Accepted by FedEx Ground
G	<b>Compressed gas, toxic, oxidizing, n.o.s.</b> Inhalation Hazard Zone A	2.3 (5.1)	UN3303		POISON GAS, OXIDIZER	1	None	192	Not Accepted by FedEx Ground
G	Compressed gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone B	2.3 (5.1)	UN3303		POISON GAS, OXIDIZER	2	None	302,305	Not Accepted by FedEx Ground
G	Compressed gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone C	2.3 (5.1)	UN3303		POISON GAS, OXIDIZER	3	None	302,305	Not Accepted by FedEx Ground
G	<b>Compressed gas, toxic, oxidizing, n.o.s.</b> Inhalation Hazard Zone D	2.3 (5.1)	UN3303		POISON GAS, OXIDIZER	4	None	302,305	Not Accepted by FedEx Ground
D	Consumer commodity	ORM-D			NONE		156, 306	156, 306	See this section in the guide
	<b>Contrivances, water-activated</b> , with burster, expelling charge or propelling charge	1.2L	UN0248	п	EXPLOSIVE 1.2L	101	None	62	Not Accepted by FedEx Ground
	<b>Contrivances, water-activated</b> , with burster, expelling charge or propelling charge	1.3L	UN0249	п	EXPLOSIVE 1.3L	101	None	62	Not Accepted by FedEx Ground
	Copper acetoarsenite	6.1	UN1585	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper acetylide	Forbid- den							
	Copper amine azide	Forbid- den							
	Copper arsenite	6.1	UN1586	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Copper based pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than</i> 23 degrees C	3 (6.1)	UN2776	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Copper based pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than</i> 23 degrees C	3 (6.1)	UN2776	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper based pesticides, liquid, toxic	6.1	UN3010	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper based pesticides, liquid, toxic	6.1	UN3010	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper based pesticides, liquid, toxic	6.1	UN3010	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Copper based pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3009	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Copper based pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3009	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Copper based pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3009	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper based pesticides, solid, toxic	6.1	UN2775	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper based pesticides, solid, toxic	6.1	UN2775	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper based pesticides, solid, toxic	6.1	UN2775	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Copper chlorate	5.1	UN2721	Π	OXIDIZER		152	212	
	Copper chloride	8	UN2802	ш	CORROSIVE**		154	213	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Copper cyanide	6.1	UN1587	п	POISON**		153	204	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Copper selenate, see Selenates or Selenites								
	Copper selenite, see Selenates or Selenites								
	Copper tetramine nitrate	Forbid- den							
AW	Copra	4.2	UN1363	Ш	SPONTANEOUSLY COMBUSTIBLE		None	213	May not be regulated via highway
	Cord, detonating, flexible	1.1D	UN0065	п	EXPLOSIVE 1.1D	102	63(a)	62	Not Accepted by FedEx Ground
	Cord, detonating, <i>flexible</i>	1.4D	UN0289	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	<b>Cord, detonating, mild effect</b> <i>or</i> <b>Fuse, detonating, mild effect</b> <i>metal clad</i>	1.4D	UN0104	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cord detonating or Fuse detonating metal clad	1.2D	UN0102	П	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Cord detonating or Fuse detonating metal clad	1.1D	UN0290	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Cordeau detonant fuse, see Cord, detonating, etc.; Cord, detonating, flexible								
	Cord, igniter	1.4G	UN0066	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cordite, see Powder, smokeless								
G	Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3264	Ι	CORROSIVE		None	201	
G	Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3264	Π	CORROSIVE		154	202	
G	Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3264	Ш	CORROSIVE		154	203	
G	Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	Ι	CORROSIVE		None	201	
G	Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	Π	CORROSIVE		154	202	
G	Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	Ш	CORROSIVE		154	203	
G	Corrosive liquid, basic, inorganic, n.o.s.	8	UN3266	Ι	CORROSIVE		None	201	
G	Corrosive liquid, basic, inorganic, n.o.s.	8	UN3266	Π	CORROSIVE		154	202	
G	Corrosive liquid, basic, inorganic, n.o.s.	8	UN3266	Ш	CORROSIVE		154	203	
G	Corrosive liquid, basic, organic, n.o.s.	8	UN3267	Ι	CORROSIVE		None	201	
G	Corrosive liquid, basic, organic, n.o.s.	8	UN3267	Π	CORROSIVE		154	202	
G	Corrosive liquid, basic, organic, n.o.s.	8	UN3267	Ш	CORROSIVE		154	203	
G	Corrosive liquid, self-heating, n.o.s.	8 (4.2)	UN3301	I	CORROSIVE, SPONTANEOUSLY COMBUSTIBLE		None	201	Not Accepted by FedEx Ground
G G	Corrosive liquid, self-heating, n.o.s.	8 (4.2)	UN3301 UN2920	II	CORROSIVE, SPONTANEOUSLY COMBUSTIBLE CORROSIVE, FLAMMABLE LIQUID		154 None	202	Not Accepted by FedEx Ground
	Corrosive liquids, flammable, n.o.s.	8 (3)		-					
G G	Corrosive liquids, flammable, n.o.s. Corrosive liquids, n.o.s.	8 (3)	UN2920	П І	CORROSIVE, FLAMMABLE LIQUID		None	202 201	
G	Corrosive liquids, n.o.s. Corrosive liquids, n.o.s.	8	UN1760 UN1760	I П	CORROSIVE		None 154	201 202	
G		8	UN1760 UN1760	п Ш	CORROSIVE		154	202	
G	Corrosive liquids, n.o.s. Corrosive liquids, oxidizing, n.o.s.	8 (5.1)	UN1760 UN3093	TTT	CORROSIVE CORROSIVE, OXIDIZER		154 None	203	
G	Corrosive liquids, oxidizing, n.o.s. Corrosive liquids, oxidizing, n.o.s.		UN3093 UN3093	П	CORROSIVE, OXIDIZER		None	201	
		8 (5.1)							Accepted only when packaged under applicable
	Corrosive liquids, toxic, n.o.s.	8 (6.1)	UN2922	I	CORROSIVE, POISON**		None	201	special permit or 49CFR 173.13 Accepted only when packaged under applicable
G	Corrosive liquids, toxic, n.o.s.	8 (6.1)	UN2922	п	CORROSIVE, POISON**		154	202	special permit or 49CFR 173.13
G	Corrosive liquids, toxic, n.o.s.	8 (6.1)	UN2922	ш	CORROSIVE, POISON**		154	203	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.154

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Corrosive liquids, water-reactive, n.o.s.	8 (4.3)	UN3094	I	CORROSIVE, DANGEROUS WHEN WET**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Corrosive liquids, water-reactive, n.o.s.	8 (4.3)	UN3094	п	CORROSIVE, DANGEROUS WHEN WET**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	Ι	CORROSIVE		None	211	
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	Π	CORROSIVE		154	212	
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	ш	CORROSIVE		154	213	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	Ι	CORROSIVE		None	211	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	П	CORROSIVE		154	212	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	ш	CORROSIVE		154	213	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	I	CORROSIVE		None	211	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	П	CORROSIVE		154	212	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	ш	CORROSIVE		154	213	
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	I	CORROSIVE		None	211	
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	П	CORROSIVE		154	212	
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	ш	CORROSIVE		154	213	
G	Corrosive solids, flammable, n.o.s.	8 (4.1)	UN2921	I	CORROSIVE, FLAMMABLE SOLID		None	211	
G	Corrosive solids, flammable, n.o.s.	8 (4.1)	UN2921	П	CORROSIVE, FLAMMABLE SOLID		None	212	
G	Corrosive solids, n.o.s.	8	UN1759	I	CORROSIVE	100	None	211	
G	Corrosive solids, n.o.s.	8	UN1759	П	CORROSIVE	128	154	212	
G	Corrosive solids, n.o.s.	8	UN1759	ш	CORROSIVE	128	154	213	
G	Corrosive solids, oxidizing, n.o.s.	8 (5.1)	UN3084	I	CORROSIVE, OXIDIZER		None	211	
G	Corrosive solids, oxidizing, n.o.s.	8 (5.1)	UN3084	п	CORROSIVE, OXIDIZER CORROSIVE, SPONTANEOUSLY		None	212	
G	Corrosive solids, self-heating, n.o.s.	8 (4.2)	UN3095	Ι	COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
G	Corrosive solids, self-heating, n.o.s.	8 (4.2)	UN3095	п	CORROSIVE, SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Corrosive solids, toxic, n.o.s.	8 (6.1)	UN2923	I	CORROSIVE, POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Corrosive solids, toxic, n.o.s.	8 (6.1)	UN2923	п	CORROSIVE, POISON**		154	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Corrosive solids, toxic, n.o.s.	8 (6.1)	UN2923	ш	CORROSIVE,POISON**		154	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.154
G	Corrosive solids, water-reactive, n.o.s.	8 (4.3)	UN3096	I	CORROSIVE, DANGEROUS WHEN WET**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Corrosive solids, water-reactive, n.o.s.	8 (4.3)	UN3096	п	CORROSIVE, DANGEROUS WHEN WET**		None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
DW	Cotton	9	NA1365		CLASS 9	137	None	None	May not be regulated via highway
-	Cotton waste, oily	4.2	UN1364	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	May not be regulated via highway
AIW	Cotton, wet	4.2	UN1365	ш	SPONTANEOUSLY COMBUSTIBLE		None	204	May not be regulated via highway
	<b>Coumarin derivative pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN3024	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Coumarin derivative pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN3024	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Coumarin derivative pesticides, liquid, toxic	6.1	UN3026	Ι	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Coumarin derivative pesticides, liquid, toxic	6.1	UN3026	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Coumarin derivative pesticides, liquid, toxic	6.1	UN3026	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Coumarin derivative pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3025	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Coumarin derivative pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3025	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Coumarin derivative pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3025	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Coumarin derivative pesticides, solid, toxic	6.1	UN3027	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Coumarin derivative pesticides, solid, toxic	6.1	UN3027	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Coumarin derivative pesticides, solid, toxic	6.1	UN3027	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cresols, liquid	6.1 (8)	UN2076	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cresols, solid	6.1 (8)	UN3455	п	POISON, CORROSIVE**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cresylic acid	6.1 (8)	UN2022	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Crotonaldehyde, stabilized	6.1 (3)	UN1143	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Crotonic acid, liquid	8	UN2823	ш	CORROSIVE		154	203	
	Crotonic acid, solid	8	UN2823	Ш	CORROSIVE		154	213	
	Crotonylene	3	UN1144	Ι	FLAMMABLE LIQUID		150	201	
	Cupriethylenediamine solution	8 (6.1)	UN1761	п	CORROSIVE, POISON**		154	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cupriethylenediamine solution	8 (6.1)	UN1761	ш	CORROSIVE, POISON**		154	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cutters, cable, explosive	1.48	UN0070	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.								
	Cyanides, inorganic, solid, n.o.s.	6.1	UN1588	I	POISON**	N74,N75	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Cyanides, inorganic, solid, n.o.s.	6.1	UN1588	п	POISON**	N74,N75	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb (4.54kg) per package- see RQ Table
	Cyanides, inorganic, solid, n.o.s.	6.1	UN1588	ш	POISON**	N74,N75	153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb (4.54kg) per package- see RQ Table
	Cyanide solutions, n.o.s.	6.1	UN1935	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb (4.54kg) per package- see RQ Table
	Cyanide solutions, n.o.s.	6.1	UN1935	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb (4.54kg) per package- see RQ Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Cyanide solutions, n.o.s.	6.1	UN1935	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Cyanogen	2.3 (2.1)	UN1026		POISON GAS, FLAMMABLE GAS	2	None	304	Not Accepted by FedEx Ground
	Cyanogen bromide	6.1 (8)	UN1889	Ι	POISON, CORROSIVE**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cyanogen chloride, stabilized	2.3 (8)	UN1589		POISON GAS, CORROSIVE	1	None	192	Not Accepted by FedEx Ground
	Cyanuric chloride	8	UN2670	Π	CORROSIVE		None	212	
	Cyanuric triazide	Forbid- den							
	Cyclobutane	2.1	UN2601		FLAMMABLE GAS		306	304	
	Cyclobutyl chloroformate	6.1 (8,3)	UN2744	п	POISON, CORROSIVE, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	1,5,9-Cyclododecatriene	6.1	UN2518	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cycloheptane	3	UN2241	Π	FLAMMABLE LIQUID		150	202	special permit of the rest from to
	Cycloheptatriene	3 (6.1)	UN2603	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Cycloheptene	3	UN2242	Π	FLAMMABLE LIQUID		150	202	
	Cyclohexane	3	UN1145	П	FLAMMABLE LIQUID		150	202	
	Cyclohexanone	3	UN1915	III	FLAMMABLE LIQUID		150	203	
	Cyclohexene	3	UN2256	П	FLAMMABLE LIQUID		150	202	
	Cyclohexenyltrichlorosilane	8	UN1762	Π	CORROSIVE	N34	None	202	
	Cyclohexyl acetate	3	UN2243	ш	FLAMMABLE LIQUID		150	203	
	Cyclohexylamine	8 (3)	UN2357	Π	CORROSIVE, FLAMMABLE LIQUID		None	202	
	Cyclohexyl isocyanate	6.1 (3)	UN2488	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Cyclohexyl mercaptan	3	UN3054	ш	FLAMMABLE LIQUID		150	203	
	Cyclohexyltrichlorosilane	8	UN1763	Π	CORROSIVE	N34	None	202	
	Cyclonite and cyclotetramethylenetetranitramine mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>								
	Cyclonite and HMX mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>								
	Cyclonite and octogen mixtures, wetted or desensitized see RDX and								
	HMX mixtures, wetted or desensitized etc.								
	Cyclonite, see Cyclotrimethylenetrinitramine, etc.								
	Cyclooctadiene phosphines, see 9-Phosphabicyclononanes								
	Cyclooctadienes	3	UN2520	ш	FLAMMABLE LIQUID		150	203	
	Cyclooctatetraene	3	UN2358	Π	FLAMMABLE LIQUID		150	202	
	Cyclopentane	3	UN1146	П	FLAMMABLE LIQUID		150	202	
	Cyclopentane, methyl, see Methylcyclopentane								
	Cyclopentanol	3	UN2244	Ш	FLAMMABLE LIQUID		150	203	
	Cyclopentanone	3	UN2245	ш	FLAMMABLE LIQUID		150	203	
	Cyclopentene	3	UN2246	П	FLAMMABLE LIQUID		150	202	
	Cyclopropane	2.1	UN1027		FLAMMABLE GAS		306	304	
	Cyclotetramethylenetetranitramine, desensitized <i>or</i> Octogen, desensitized <i>or</i> HMX, desensitized	1.1D	UN0484	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<i>Cyclotetramethylene tetranitramine (dry or unphlegmatized) (HMX)</i>	Forbid- den				-			

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(8173.***)	
								()	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Cyclotetramethylenetetranitramine, wetted or HMX, wetted or Octogen, wetted with not less than 15 percent water, by mass	1.1D	UN0226	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Cyclotrimethylenenitramine and octogen, mixtures, wetted or								
	desensitized see RDX and HMX mixtures, wetted or desensitized etc.								
	Cyclotrimethylenetrinitramine and cyclotetramethylenetetranitramine								
	mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>								
	Cyclotrimethylenetrinitramine and HMX mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>								
	Cyclotrimethylenetrinitramine, desensitized <i>or</i> Cyclonite, desensitized <i>or</i> Hexogen, desensitized <i>or</i> RDX, desensitized	1.1D	UN0483	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass	1.1D	UN0072	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Cymenes	3	UN2046	ш	FLAMMABLE LIQUID		150	203	
	Dangerous Goods in Machinery or Dangerous Goods in Apparatus	9	UN3363			136	None	222	May not be regulated via highway
	Decaborane	4.1 (6.1)	UN1868	п	FLAMMABLE SOLID, POISON**		None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Decahydronaphthalene	3	UN1147	ш	FLAMMABLE LIQUID		150	203	
	n-Decane	3	UN2247	ш	FLAMMABLE LIQUID		150	203	
	Deflagrating metal salts of aromatic nitroderivatives, n.o.s	1.3C	UN0132	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Delay electric igniter, see Igniters								
D	Denatured alcohol	3	NA1987	п	FLAMMABLE LIQUID	172	150	202	
D	Denatured alcohol	3	NA1987	ш	FLAMMABLE LIQUID	172	150	203	
	Depth charges, see Charges, depth								
	Desensitized explosive, liquid, n.o.s.	3	UN3379	Ι	FLAMMABLE LIQUID	164	None	201	
G	Desensitized explosive, solid, n.o.s.	4.1	UN3380	Ι	FLAMMABLE SOLID	164	None	211	
	Detonating relays, see <b>Detonators</b> , etc.								
	Detonator assemblies, non-electric for blasting	1.1B	UN0360	П	EXPLOSIVE 1.1B		None	62	Not Accepted by FedEx Ground
	Detonator assemblies, non-electric for blasting	1.4B	UN0361	п	EXPLOSIVE 1.4B	103	63(f), 63(g)	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Detonator assemblies, non-electric for blasting	1.4B	UN0500	п	EXPLOSIVE 1.4B		63(f), 63(g)	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Detonators, electric, for blasting	1.1B	UN0030	п	EXPLOSIVE 1.1B		63(f), 63(g)	62	Not Accepted by FedEx Ground
	Detonators, electric, for blasting	1.4B	UN0255	п	EXPLOSIVE 1.4B	103	63(f), 63(g)	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Detonators, electric, for blasting	1.48	UN0456	п	EXPLOSIVE 1.4S		63(f), 63(g)	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Detonators for ammunition	1.1B	UN0073	П	EXPLOSIVE 1.1B		None	62	Not Accepted by FedEx Ground
	Detonators for ammunition	1.2B	UN0364	П	EXPLOSIVE 1.2B		None	62	Not Accepted by FedEx Ground
	Detonators for ammunition	1.4B	UN0365	п	EXPLOSIVE 1.4B	103	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Detonators for ammunition	1.48	UN0366	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Detonators, non-electric, for blasting	1.1B	UN0029	П	EXPLOSIVE 1.1B		None	62	Not Accepted by FedEx Ground
	Detonators, non-electric, for blasting	1.4B	UN0267	п	EXPLOSIVE 1.4B	103	63(f), 63(g)	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Detonators, non-electric, for blasting	1.48	UN0455	п	EXPLOSIVE 1.4S		63(f), 63(g)	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Deuterium, compressed	2.1	UN1957		FLAMMABLE GAS		306	302	
	<b>Devices, small, hydrocarbon gas powered</b> <i>or</i> <b>Hydrocarbon gas refills</b> <b>for small devices</b> <i>with release device</i>	2.1	UN3150		FLAMMABLE GAS		306	304	
	Di-(1-hydroxytetrazole) (dry)	Forbid- den							
	Di-(1-naphthoyl) peroxide	Forbid- den							
	Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water	Forbid- den							
	Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate								
	2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid	Forbid- den							
	Diacetone alcohol	3	UN1148	Π	FLAMMABLE LIQUID		150	202	
	Diacetone alcohol	3	UN1148	ш	FLAMMABLE LIQUID		150	203	
	Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass	Forbid- den							
	Diacetyl peroxide, solid, or with more than 25 percent in solution	Forbid- den							
	Diacetyl, see Butanedione								
	Diagnostic specimen	6.2				134	199		Not Accepted by FedEx Ground
	Diallylamine	3 (6.1,8)	UN2359	п	FLAMMABLE LIQUID, POISON, CORROSIVE**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Diallylether	3 (6.1)	UN2360	п	FLAMMABLE LIQUID, POISON**	N12	150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	4,4í-Diaminodiphenyl methane	6.1	UN2651	ш	POISON**		153	213	special permit or 49CFR 173.13
	p-Diazidobenzene	Forbid- den							
	1,2-Diazidoethane	Forbid- den							
	1,1 1-Diazoaminonaphthalene	Forbid- den							
	Diazoaminotetrazole (dry)	Forbid- den							
	Diazodinitrophenol (dry)	Forbid- den							
	<b>Diazodinitrophenol, wetted</b> with not less than 40 percent water or mixture of alcohol and water, by mass	1.1A	UN0074	п	EXPLOSIVE 1.1A	111, 117	None	62	Not Accepted by FedEx Ground
	Diazodiphenylmethane	Forbid- den							
	Diazonium nitrates (dry)	Forbid- den							
	Diazonium perchlorates (dry)	Forbid- den							
	1,3-Diazopropane	Forbid- den							
	Dibenzyldichlorosilane	8	UN2434	п	CORROSIVE		154	202	
	Dibenzyl peroxydicarbonate, with more than 87 percent with water	Forbid- den							
L	Di-(beta-nitroxyethyl) ammonium nitrate	Forbid- den				1			

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Diborane	2.3 (2.1)	UN1911		POISON GAS, FLAMMABLE GAS	1	None	302	Not Accepted by FedEx Ground
D	Diborane mixtures	2.1	NA1911		FLAMMABLE GAS	5	None	302	
	Dibromoacetylene	Forbid- den							
	1,2-Dibromobutan-3-one	6.1	UN2648	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dibromochloropropane	6.1	UN2872	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dibromochloropropane	6.1	UN2872	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
Α	Dibromodifluoromethane, <i>R12B2</i>	9	UN1941	Ш	NONE		155	203	May not be regulated via highway
	1,2-Dibromoethane, see Ethylene dibromide								
	Dibromomethane	6.1	UN2664	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dibutylaminoethanol	6.1	UN2873	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dibutyl ethers	3	UN1149	Ш	FLAMMABLE LIQUID		150	203	
	N,N'-Dichlorazodicarbonamidine (salts of) (dry)	Forbid- den							
	1,2-Dichloro-1,1,2,2-Tetrafluoroethane <i>or</i> Refrigerant gas, R 114 1,1-Dichloro-1-nitroethane	2.2 6.1	UN1958 UN2650	п	NONFLAMMABLE GAS POISON**		306 153	304 202	Accepted only when packaged under applicable
D	3,5-Dichloro-2,4,6-trifluoropyridine	6.1	NA9264	T	POISON	2	None	227	special permit or 49CFR 173.13 Not Accepted by FedEx Ground
D	Dichloroacetic acid	8	UN1764	П	CORROSIVE	2 N34	154	202	Not Accepted by FedEx Ground
	1,3-Dichloroacetone	6.1	UN2649	п	POISON**	1134	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dichloroacetyl chloride	8	UN1765	п	CORROSIVE	N34	154	202	special per lint of 49CFR 175.15
	Dichloroacetylene	Forbid- den							
+	Dichloroanilines, liquid	6.1	UN1590	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Dichloroanilines, solid	6.1	UN3442	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	o-Dichlorobenzene	6.1	UN1591	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2,2'-Dichlorodiethyl ether	6.1 (3)	UN1916	п	POISON, FLAMMABLE LIQUID**	N33,N34	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dichlorodifluoromethane and difluoroethane azeotropic mixture or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane	2.2	UN2602		NONFLAMMABLE GAS		306	304	
	Dichlorodifluoromethane or Refrigerant gas R 12	2.2	UN1028		NONFLAMMABLE GAS		306	304	
	Dichlorodimethyl ether, symmetrical	6.1 (3)	UN2249	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	1,1-Dichloroethane	3	UN2362	П	FLAMMABLE LIQUID		150	202	
	1,2-Dichloroethane, see Ethylene dichloride								
	1,2-Dichloroethylene	3	UN1150	П	FLAMMABLE LIQUID		150	202	
	Dichloroethyl sulfide	Forbid- den							
	Dichlorofluoromethane or Refrigerant gas R 21	2.2	UN1029		NONFLAMMABLE GAS		306	304	
	Dichloroisocyanuric acid, dry <i>or</i> Dichloroisocyanuric acid salts Dichloroisopropyl ether	5.1 6.1	UN2465 UN2490	П П	OXIDIZER POISON**	28	152 153	212	Accepted only when packaged under applicable
	Dichloromethane	6.1	UN1593	ш	POISON**	N36	153	202	special permit or 49CFR 173.13 Accepted only when packaged under applicable
						1100			special permit or 49CFR 173.13
	Dichloropentanes	3	UN1152	Ш	FLAMMABLE LIQUID		150	203	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Dichlorophenyl isocyanates	6.1	UN2250	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dichlorophenyltrichlorosilane	8	UN1766	П	CORROSIVE	N34	None	202	
	1,2-Dichloropropane	3	UN1279	п	FLAMMABLE LIQUID	N36	150	202	
	1,3-Dichloropropanol-2	6.1	UN2750	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dichloropropene and propylene dichloride mixture, see 1,2- Dichloropropane								
	Dichloropropenes	3	UN2047	Π	FLAMMABLE LIQUID		150	202	
	Dichloropropenes	3	UN2047	ш	FLAMMABLE LIQUID		150	203	
	Dichlorosilane	2.3 (2.1,8)	UN2189		POISON GAS, FLAMMABLE GAS, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
	Dichlorovinvlchloroarsine	Forbid- den							
	Dicycloheptadiene, see Bicyclo [2,2,1] hepta-2,5-diene, stabilized								
	Dicyclohexylamine	8	UN2565	ш	CORROSIVE		154	203	
	Dicyclohexylammonium nitrite	4.1	UN2687	III	FLAMMABLE SOLID		151	213	
	Dicyclopentadiene	3	UN2048	ш	FLAMMABLE LIQUID		150	203	
	1,2-Di-(dimethylamino) ethane	3	UN2372	Π	FLAMMABLE LIQUID		150	202	
	Didymium nitrate	5.1	UN1465	ш	OXIDIZER		152	213	
D	Diesel fuel	3	NA1993	III	NONE	144	150	203	
Ι	Diesel fuel	3	UN1202	ш	FLAMMABLE LIQUID	144	150	203	
	Diethanol nitrosamine dinitrate (dry)	Forbid- den							
	Diethoxymethane	3	UN2373	Π	FLAMMABLE LIQUID		150	202	
	3,3-Diethoxypropene	3	UN2374	Π	FLAMMABLE LIQUID		150	202	
	3-Diethyamino-propylamine	3 (8)	UN2684	ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Diethylamine	3 (8)	UN1154	П	FLAMMABLE LIQUID, CORROSIVE	N34	150	202	
	2-Diethylaminoethanol	8 (3)	UN2686	Π	CORROSIVE, FLAMMABLE LIQUID		None	202	
+	N,N-Diethylaniline	6.1	UN2432	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Diethylbenzene	3	UN2049	ш	FLAMMABLE LIQUID		150	203	
	Diethyl carbonate	3	UN2366	III	FLAMMABLE LIQUID		150	203	
	Diethyl cellosolve, see Ethylene glycol diethyl ether								
	Diethyldichlorosilane	8 (3)	UN1767	П	CORROSIVE, FLAMMABLE LIQUID	N34	None	202	
	Diethylene glycol dinitrate	Forbid- den							
	<b>Diethyleneglycol dinitrate, desensitized</b> with not less than 25 percent non- volatile water-soluble phlegmatizer, by mass	1.1D	UN0075	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Diethylenetriamine	8	UN2079	п	CORROSIVE		154	202	
	Diethyl ether or Ethyl ether	3	UN1155	Ι	FLAMMABLE LIQUID		150	201	
	N,N-Diethylethylenediamine	8 (3)	UN2685	П	CORROSIVE, FLAMMABLE LIQUID		None	202	
	Diethylgold bromide	Forbid- den							
	Diethyl ketone	3	UN1156	Π	FLAMMABLE LIQUID		150	202	
	Diethyl peroxydicarbonate, with more than 27 percent in solution	Forbid- den							
	Diethyl sulfate	6.1	UN1594	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Diethyl sulfide	3	UN2375	п	FLAMMABLE LIQUID		None	202	
	Diethylthiophosphoryl chloride	8	UN2751	П	CORROSIVE		None	212	
	Diethylzinc	4.2 (4.3)	UN1366	I	SPONTANEOUSLY COMBUSTIBLE,DANGEROUS WHEN WET	173	None	181	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes								
	1,1-Difluoroethane or Refrigerant gas R 152a	2.1	UN1030		FLAMMABLE GAS		306	304	
	1,1-Difluoroethylene or Refrigerant gas R 1132a	2.1	UN1959		FLAMMABLE GAS		306	304	
	Difluoromethane or Refrigerant gas R 32	2.1	UN3252		FLAMMABLE GAS		306	302	
	Difluorophosphoric acid, anhydrous	8	UN1768	П	CORROSIVE	N5,N34	None	202	
	2,3-Dihydropyran	3	UN2376	Π	FLAMMABLE LIQUID		150	202	
	1,8-Dihydroxy-2,4,5,7-tetranitroanthraquinone (chrysamminic acid)	Forbid- den							
	Diiodoacetylene	Forbid- den							
	Diisobutylamine	3 (8)	UN2361	III	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Diisobutylene, isomeric compounds	3	UN2050	Π	FLAMMABLE LIQUID		150	202	
	Diisobutyl ketone	3	UN1157	ш	FLAMMABLE LIQUID		150	203	
	Diisooctyl acid phosphate	8	UN1902	ш	CORROSIVE		154	203	
	Diisopropylamine	3 (8)	UN1158	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Disopropylbenzene hydroperoxide, with more than 72 percent in solution	Forbid- den							
	Diisopropyl ether	3	UN1159	П	FLAMMABLE LIQUID		150	202	
	Diketene, stabilized	6.1 (3)	UN2521	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	1,2-Dimethoxyethane	3	UN2252	Π	FLAMMABLE LIQUID		150	202	
	1,1-Dimethoxyethane	3	UN2377	П	FLAMMABLE LIQUID		150	202	
	2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water	Forbid- den							
	Dimethylamine, anhydrous	2.1	UN1032		FLAMMABLE GAS		None	304	
	Dimethylamine solution	3 (8)	UN1160	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
	2-Dimethylaminoacetonitrile	3 (6.1)	UN2378	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Dimethylaminoethanol	8 (3)	UN2051	п	CORROSIVE, FLAMMABLE LIQUID		154	202	
	2-Dimethylaminoethyl acrylate	6.1	UN3302	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Dimethylaminoethyl methacrylate	6.1	UN2522	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	N,N-Dimethylaniline	6.1	UN2253	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2,3-Dimethylbutane	3	UN2457	П	FLAMMABLE LIQUID		150	202	
	1,3-Dimethylbutylamine	3 (8)	UN2379	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Dimethylcarbamoyl chloride	8	UN2262	п	CORROSIVE		154	202	
	Dimethyl carbonate	3	UN1161	П	FLAMMABLE LIQUID		150	202	
	Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride								
	Dimethylcyclohexanes	3	UN2263	Π	FLAMMABLE LIQUID		150	202	
	N,N-Dimethylcyclohexylamine	8 (3)	UN2264	Π	CORROSIVE, FLAMMABLE LIQUID		154	202	
	Dimethyldichlorosilane	3 (8)	UN1162	Π	FLAMMABLE LIQUID, CORROSIVE		None	202	
	Dimethyldiethoxysilane	3	UN2380	Π	FLAMMABLE LIQUID		150	202	
	Dimethyldioxanes	3	UN2707	Π	FLAMMABLE LIQUID		150	202	
	Dimethyldioxanes	3	UN2707	Ш	FLAMMABLE LIQUID		150	203	
	Dimethyl disulfide	3	UN2381	Π	FLAMMABLE LIQUID		150	202	
	Dimethyl ether	2.1	UN1033		FLAMMABLE GAS		306	304	
	N,N-Dimethylformamide	3	UN2265	Ш	FLAMMABLE LIQUID		150	203	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Dimethylhexane dihydroperoxide (dry)	Forbid- den							
	Dimethylhydrazine, symmetrical	6.1 (3)	UN2382	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Dimethylhydrazine, unsymmetrical	6.1 (3,8)	UN1163	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
	Dimethyl-N-propylamine	3 (8)	UN2266	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
	2,2-Dimethylpropane	2.1	UN2044		FLAMMABLE GAS		306	304	
	Dimethyl sulfate	6.1 (8)	UN1595	Ι	POISON, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
	Dimethyl sulfide	3	UN1164	п	FLAMMABLE LIQUID		150	202	
	Dimethyl thiophosphoryl chloride	6.1 (8)	UN2267	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dimethylzinc	4.2 (4.3)	UN1370	I	SPONTANEOUSLY COMBUSTIBLE,DANGEROUS WHEN WET	173	None	181	Not Accepted by FedEx Ground
	Di-n-amylamine	3 (6.1)	UN2841	ш	FLAMMABLE LIQUID, POISON**		150	203	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Di-n-butylamine	8 (3)	UN2248	П	CORROSIVE, FLAMMABLE LIQUID		None	202	
	Di-n-butyl peroxydicarbonate, with more than 52 percent in solution	Forbid- den							
	<i>1,4-Dinitro-1,1,4,4-tetramethylolbutanetetranitrate (dry)</i>	Forbid- den							
	2,4-Dinitro-1,3,5-trimethylbenzene	Forbid- den							
	1,3-Dinitro-4,5-dinitrosobenzene	Forbid- den							
	1,3-Dinitro-5,5-dimethyl hydantoin	Forbid- den							
	Dinitro-7,8-dimethylglycoluril (dry)	Forbid- den							
	Dinitroanilines	6.1	UN1596	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrobenzenes, liquid	6.1	UN1597	п	POISON**	11	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrobenzenes, liquid	6.1	UN1597	ш	POISON**	11	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrobenzenes, solid	6.1	UN3443	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrochlorobenzene, see Chlorodinitrobenzene								
	1,2-Dinitroethane	Forbid- den							
	1,1-Dinitroethane (dry)	Forbid- den							
	Dinitrogen tetroxide	2.3 (5.1,8)	UN1067		POISON GAS, OXIDIZER, CORROSIVE	1	None	336	Not Accepted by FedEx Ground
	Dinitroglycoluril or Dingu	1.1D	UN0489	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Dinitromethane	Forbid- den							
	Dinitro-o-cresol	6.1	UN1598	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Dinitrophenolates</b> alkali metals, dry or wetted with less than 15 percent water, by mass	1.3C (6.1)	UN0077	п	EXPLOSIVE 1.3C, POISON		None	62	Not Accepted by FedEx Ground
	Dinitrophenolates, wetted with not less than 15 percent water, by mass	4.1 (6.1)	UN1321	I	FLAMMABLE SOLID, POISON**	23,N41	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrophenol, dry or wetted with less than 15 percent water, by mass	1.1D (6.1)	UN0076	п	EXPLOSIVE 1.1D, POISON		None	62	Not Accepted by FedEx Ground
	Dinitrophenol solutions	6.1	UN1599	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrophenol solutions	6.1	UN1599	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Dinitrophenol, wetted with not less than 15 percent water, by mass	4.1 (6.1)	UN1320	I	FLAMMABLE SOLID, POISON**	23,N41	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitropropylene glycol	Forbid- den							· · ·
	Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0078	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	2,4-Dinitroresorcinol (heavy metal salts of) (dry)	Forbid- den							
	4,6-Dinitroresorcinol (heavy metal salts of) (dry)	Forbid- den							
	Dinitroresorcinol, wetted with not less than 15 percent water, by mass	4.1	UN1322	I	FLAMMABLE SOLID	23,N41	None	211	
	3,5-Dinitrosalicylic acid (lead salt) (dry)	Forbid- den							
	Dinitrosobenzene	1.3C	UN0406	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Dinitrosobenzylamidine and salts of (dry)	Forbid- den							
	2,2-Dinitrostilbene	Forbid- den							
	Dinitrotoluenes, liquid	6.1	UN2038	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Dinitrotoluenes, molten	6.1	UN1600	п	POISON		None	202	Not Accepted by FedEx Ground
	Dinitrotoluenes, solid	6.1	UN3454	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	a,a í -Di-(nitroxy) methylether	Forbid- den							
	1,9-Dinitroxy pentamethylene-2,4, 6,8-tetramine (dry)	Forbid- den							
	Di-n-propyl ether	3	UN2384	П	FLAMMABLE LIQUID		150	202	
	Dioxane	3	UN1165	П	FLAMMABLE LIQUID		150	202	
	Dioxolane	3	UN1166	П	FLAMMABLE LIQUID		150	202	
	Dipentene	3	UN2052	ш	FLAMMABLE LIQUID		150	203	Accepted only when packaged under applicable
	Diphenylamine chloroarsine	6.1	UN1698	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Diphenylchloroarsine, liquid	6.1	UN1699	Ι	POISON**	N33,N34	None	201	special permit or 49CFR 173.13
	Diphenylchloroarsine, solid	6.1	UN3450	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Diphenyldichlorosilane	8	UN1769	П	CORROSIVE	N34	None	202	
	Diphenylmethyl bromide	8	UN1770	П	CORROSIVE		154	212	
	Dipicrylamine, see Hexanitrodiphenylamine								
	Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass	1.1D	UN0401	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Dipicryl sulfide, wetted with not less than 10 percent water, by mass	4.1	UN2852	I	FLAMMABLE SOLID	162, N41, N484	None	211	
	Dipropionyl peroxide, with more than 28 percent in solution	Forbid- den							
	Dipropylamine	3 (8)	UN2383	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Dipropyl ketone	3	UN2710	Ш	FLAMMABLE LIQUID		150	203	
	Disinfectant, liquid, corrosive n.o.s.	8	UN1903	I	CORROSIVE		None	201	
G	Disinfectant, liquid, corrosive n.o.s.	8	UN1903	П	CORROSIVE		154	202	
G	Disinfectant, liquid, corrosive n.o.s.	8	UN1903	ш	CORROSIVE		154	203	Accepted only when packaged under applicable
G	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	I	POISON**		None	201	special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
G	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	ш	POISON**		153	203	special permit or 49CFR 173.13

Num 10Instructions materials descriptions and proper shipping namesInstructions (1) <t< th=""><th></th><th>D.O.T. Basic Description for Hazardous Material Shipments</th><th></th><th></th><th></th><th></th><th></th><th>Packaging</th><th>(§173.***)</th><th></th></t<>		D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
6     Disinfertants, solid, toxic, n.o.s.     6.1     1 x1stat     1     PORNY*     1     Xeepide on two packages and regulable, supering of two packages and regulabl		Hazardous materials descriptions and proper shipping names			PG	Label codes		Exceptions	NonBulk	FedEx Ground Restrictions
D         Dimension of the source of the	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Discretation, Solid, Noise, Rook, Solid, Noise, Rook, Rook, Solid, Noise, Rook, Solid, No	G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	I	POISON**		None	211	special permit or 49CFR 173.13
Disclimit regime (1), volin, fixed, no.8.         (1)         (2) <th(2)< th="">         (2)         (2)</th(2)<>	G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	п	POISON**		153	212	special permit or 49CFR 173.13
6     Dispersant gases, no.s. see Refrigerant gases, no.s.     u <t< td=""><td>G</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	G									
2.2-Deferebultypercey) bulance, with more than 53 percent in solution       Fashed-dee       Image: Construction of the solution       Fashed-dee         Deferebultypercey) bulance, with more than 53 percent in solution       Fashed-dee       Image: Construction of the solution       Fashed-dee         Dirty ether, stabilized       3       UN107       1       FLAMMABLE LIQUID       Name       201         Dirty ether, stabilized       3       UN107       1       COMRONVE       N1       Name       201         Dirty ether, stabilized       3       UN107       1       COMRONVE       N1       Name       201         Dirty ether, stabilized       3       UN107       1       COMRONVE       11       Name       201         O Dress, liquid, corresive n.o.s. or Dye intermediates, liquid, nois, n.o.s.       8       UN200       11       COMRONVE       11       154       201         G Dress, liquid, corresive n.o.s. or Dye intermediates, solid, corresive, n.o.s.       8       UN107       1       CORRONVE       Name       211	_		8	UN3253	Ш	CORROSIVE		154	213	
Defetter-haptgerooy) phkalate, with more than 55 percent in solution         Peekle         Peekle         Peekle         Peekle           Diving ether, stabilized         3         UNI167         1         FLAMMABLE LIQUID         Name         201           Dodexthrichhorasiane         4         UNI17         1         CORRONY.         N44         Name         201           O pres, liquid, corrosive n.o.s. or Dye intermediates, liquid, n.o.s.         4         UNI07         1         CORRONY.         N44         Name         201           O pres, liquid, corrosive n.o.s. or Dye intermediates, liquid, nos.         4         UNI07         1         145         201           O pres, liquid, corrosive n.o.s. or Dye intermediates, liquid, nos.         4         UNI02         1         FORNOV*         Name         201           G Dres, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.         6.1         UNI02         1         FORNOV*         153         32         Accepted and wene packaged under applicable           G Dres, liquid, toxic, n.o.s. or Dye intermediates, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, solid, toxic, n.o.s. or Dye intermediates, solid, corrosive, solid, toxic, n.o.s. or Dye intermediates, solid, corrosive, solid, toxic, n.o.s.         6         UNI17         1         CORRONIE	G	Dispersant gases, n.o.s. see Refrigerant gases, n.o.s.								
Divinyl ether, stabilized         3         UNITO         1         PLAMMABLE LIQUID         Note         201           Dodcytirichlorosilane         8         UNITO         1         CORROSIVE         N34         Note         201           G         Deys, liquid, corroive n.o.s., or Dy intermediates, liquid, n.o.s.         8         UX201         1         CORROSIVE         11         Note         201           G         Deys, liquid, corroive n.o.s., or Dy intermediates, liquid, n.o.s.         8         UX201         11         154         202           G         Deys, liquid, toxic, n.o.s. or Dy intermediates, liquid, toxic, n.o.s.         6.1         UN162         1         POISON**         11         154         203           G         Deys, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.         6.1         UN162         1         POISON**         1153         203         Accepted anly when packaged ander applicable special permit or 9CPR 173.13           G         Dyss, slid, corrosive, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.         6.1         UN162         1         POISON**         153         203         Accepted anly when packaged ander applicable special permit or 9CPR 173.13           G         Dyss, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosiv		2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution	Forbid- den							
Bodecyltrichlorosiane         8         UNT71         II         COBRONNE         N34         Nue         20           Bry ics, we Carbon dioxids, solid         -         <		Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution	Forbid- den							
Dry ice, see Carbon divide, solid		Divinyl ether, stabilized	3	UN1167	Ι	FLAMMABLE LIQUID		None	201	
G       Dyes, liquid, corrosive no.s. or Dye intermediates, liquid, no.s.       8       UN2001       1       CORROSIVE       11       None       201         G       Dyes, liquid, corrosive no.s. or Dye intermediates, liquid, no.s.       8       UN2001       11       CORROSIVE       11       154       202         G       Dyes, liquid, corrosive no.s. or Dye intermediates, liquid, no.s.       8       UN2001       11       CORROSIVE       11       154       202         G       Dyes, liquid, corrosive no.s. or Dye intermediates, liquid, no.s.       6.1       UN1002       1       POISON**       153       202       Accepted only when packaged ander applicable synchronic applica			8	UN1771	П	CORROSIVE	N34	None	202	
GDyss, liquid, corrosive no.s. or Dye intermediates, liquid, no.s.8UN30011CORROSIVE11154202GDyss, liquid, corrosive no.s. or Dye intermediates, liquid, no.s.8UN30111CORROSIVE11154203GDyss, liquid, toxic, no.s. or Dye intermediates, liquid, no.s.6.1UN10211POISON**None201Accepted only when packaged under applicable special part of 92CR 1731.3GDyss, liquid, toxic, no.s. or Dye intermediates, liquid, toxic, n.o.s.6.1UN10211POISON**153203Accepted only when packaged under applicable special part of 92CR 1731.3GDyss, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.6.1UN10211POISON**153203Accepted only when packaged under applicable special parties of 92CR 1731.3GDyss, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.8UN1471CORROSIVENone211GDyss, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.8UN1471CORROSIVE154212GDyss, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.6.1UN1431POISON**154213GDyss, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.6.1UN1431POISON**154212Accepted only when packaged under applicable special permit of 92CR 1731.3GDyss, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.6.1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
GDycs, Hquid, corrosive, n.o.s. or Dye intermediates, Hquid, n.o.s.8UN280IIICORROSIVE11154203GDycs, Hquid, corrosive, n.o.s. or Dye intermediates, Hquid, toxie, n.o.s.6.1UN16021POISON**None201Accepted only when packaged under applicable special permit or 40CFR 173.13GDycs, Hquid, toxie, n.o.s. or Dye intermediates, Hquid, toxie, n.o.s.6.1UN1602IIPOISON**153202Accepted only when packaged under applicable special permit or 40CFR 173.13GDycs, Hquid, toxie, n.o.s. or Dye intermediates, Hquid, toxie, n.o.s.6.1UN1602IIIPOISON**153203Accepted only when packaged under applicable special permit or 40CFR 173.13GDycs, Solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, set.8UN147ICORROSIVE154212GDycs, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, set.8UN147ICORROSIVE154212GDycs, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, set.8UN147IICORROSIVE154212GDycs, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, set.8UN147IICORROSIVE154212GDycs, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, set.8UN147IIPOISON**154212GDycs, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, set.6.1UN144IIPOISON**153212<	G	Dyes, liquid, corrosive n.o.s. or Dye intermediates, liquid, n.o.s.	8	UN2801	Ι	CORROSIVE	11	None	201	
G       Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.       6.1       UN162       1       POISON**       None       201       Accepted only when packaged under applicable special permit or 9CFR 173.13         G       Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.       6.1       UN162       II       POISON**       153       202       Accepted only when packaged under applicable special permit or 9CFR 173.13         G       Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN143       I       CORROSIVE       154       213       Accepted only when packaged under applicable special permit or 9CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN143       I       CORROSIVE       154       213       Accepted only when packaged under applicable special permit or 9CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid,	G	Dyes, liquid, corrosive n.o.s. or Dye intermediates, liquid, n.o.s.	8	UN2801	Π	CORROSIVE	11	154	202	
G       Dyss, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.       6.1       UN1602       I       POISON**       None       201       Special permit or 9CFE [13,1]         G       Dyss, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.       6.1       UN1602       II       POISON**       153       202       Accepted only when packaged under applicable special permit or 9CFE [13,1]         G       Dyss, solid, corrosive, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.       6.1       UN1602       III       POISON**       153       203       Accepted only when packaged under applicable special permit or 9CFE [13,1]         G       Dyss, solid, corrosive, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3147       II       CORROSIVE       154       212           G       Dyss, solid, corrosive, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3147       II       CORROSIVE       154       212	G	Dyes, liquid, corrosive n.o.s. or Dye intermediates, liquid, n.o.s.	8	UN2801	ш	CORROSIVE	11	154	203	
o       Dyss, fight, dyss, finder, dyss, dyss, finder, dyss, dysss, dyss, dyss, dysss, dyss, dyss, dyss, dysss	G	Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	I	POISON**		None	201	special permit or 49CFR 173.13
G       Dyes, fulue, foxe, n.o.s. or Dye intermediates, fulue, foxe, n.o.s.       6.1       UNMAZ       III       FUNDAME       None       203       Expecial permit or 49CPR 173.13         G       Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.       8       UN3147       II       CORROSIVE       154       211         G       Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.       8       UN3147       II       CORROSIVE       154       213         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       8       UN3147       II       CORROSIVE       154       213         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       I       POISON**       153       212       Accepted only when packaged under applicable special permit or 49CPR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Accepted only when packaged under applicable special permit or 49CPR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143	G	Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	п	POISON**		153	202	special permit or 49CFR 173.13
G       n.o.s.       S       UN147       I       CORROSIVE       None       211         G       Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.       8       UN3147       II       CORROSIVE       154       212         G       Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.       8       UN3147       II       CORROSIVE       154       212         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       I       POISON**       None       211       Accepted only when packaged under applicable special permit or 49(CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Accepted only when packaged under applicable special permit or 49(CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       213       Accepted only when packaged under applicable special permit or 49(CFR 173.13         Dynamite, see       Explosive, blasting, type A       II       II       OI       III       IIII       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	G		6.1	UN1602	ш	POISON**		153	203	
0       n.o.s.       0       0.5147       II       COROSIVE       154       212         6       Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.       8       UN3147       III       CORROSIVE       154       213         6       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       1       POISON**       None       211       Accepted only when packaged under applicable special permit or 40CFR 173.13         6       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Accepted only when packaged under applicable special permit or 40CFR 173.13         7       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Accepted only when packaged under applicable special permit or 40CFR 173.13         7       Dynamite, see Explosive, blasting, type A       1       1       POISON**       153       213       Accepted only when packaged under applicable special permit or 40CFR 173.13         8       UN3143       II       POISON**       153       213       Accepted by PedEx Coround special permit or 40CFR 173.13         9       UN3143       II       FLAMMABLE LIQUID       None	G		8	UN3147	I	CORROSIVE		None	211	
C       n.o.s.       o       UN3147       III       CORROSIVE       IIS       213         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       1       POISON**       None       211       Accepted only when packaged under applicable special permit or 49CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Accepted only when packaged under applicable special permit or 49CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       III       POISON**       153       212       Accepted only when packaged under applicable special permit or 49CFR 173.13         G       Dynamite, see       Explosive, blasting, type A       II       UN3143       III       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Dynamite, see       Explosive, blasting, type A       III       UN3143       III       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Dynamite, see       Explosive, blasting, type A       III       IIII       POISON**       153       213       Accepted only when packaged under appli	G		8	UN3147	п	CORROSIVE		154	212	
G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       I       POISON**       None       211       Accepted only when packaged under applicable special permit or 49CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Accepted only when packaged under applicable special permit or 49CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Dynamite, see       Explosive, blasting, type A       II       UN3143       III       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Dynamite, see       Explosive, blasting, type A       III       UN3143       III       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Elevatot temperature liquid, flammable, n.o.s., at or above 100 C and below	G		8	UN3147	ш	CORROSIVE		154	213	
G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Special permit or 49CFR 173.13         G       Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       II       POISON**       153       212       Special permit or 49CFR 173.13         G       Dynamite, see Explosive, blasting, type A       6.1       UN3143       II       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Dynamite, see Explosive, blasting, type A       6.1       UN3143       II       POISON**       153       213       Accepted only when packaged under applicable special permit or 49CFR 173.13         Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point       3       UN3256       III       FLAMMABLE LIQUID       None       None       Not Accepted by FedEx Ground         Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.).       9       UN3257       III       CLASS 9       None       None       Not Accepted by FedEx Ground         Elevated temperature solid, n.o.s., at or above 240 C, see section 173.247(h)(4)       9       UN3258       III       CLASS 9       135       220	G		6.1	UN3143	I	POISON**		None	211	
G       Dyes, solid, toxic, n.o.s., or Dye intermediates, solid, toxic, n.o.s.       6.1       UN3143       III       POISON**       153       213       Special permit or 49CFR 173.13         Dynamite, see       Explosive, blasting, type A       III       III       IIII       IIII       POISON**       IIII       Special permit or 49CFR 173.13         Electrolyte (acid or alkali) for batteries, see       Battery fluid, alkali       IIII       IIII       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	п	POISON**		153	212	special permit or 49CFR 173.13
Electrolyte (acid or alkali) for batteries, see Battery fluid, acid or Battery fluid, alkaliImage: constraint of the second of	G	• • • • • • • •	6.1	UN3143	ш	POISON**		153	213	
Battery fluid, alkaliImage: constraint of the second s										
37.8 C, at or above its flash point       3       UN3256       III       FLAMMABLE LIQUID       None		Battery fluid, alkali								
flash point (including molten metals, molten salts, etc.).       9       UN3257       III       CLASS 9       None       None <tht< td=""><td></td><td><i>37.8 C, at or above its flash point</i></td><td>3</td><td>UN3256</td><td>ш</td><td>FLAMMABLE LIQUID</td><td></td><td>None</td><td>None</td><td>Not Accepted by FedEx Ground</td></tht<>		<i>37.8 C, at or above its flash point</i>	3	UN3256	ш	FLAMMABLE LIQUID		None	None	Not Accepted by FedEx Ground
Elevated temperature solid, n.o.s., at or above 240 C, see section9UN3258IICLASS 9247(h)(4)NoneNot Accepted by FedEx GroundIn Engines, internal combustion, flammable gas powered9UN3166CLASS 9135220220May not be regulated via highwayIn Engines, internal combustion, flammable liquid powered9UN3166CLASS 9135220220May not be regulated via highwayIn Engines, internal combustion, flammable liquid powered9UN3166CLASS 9135220220May not be regulated via highwayIn G Environmentally hazardous substances, liquid, n.o.s.9UN3082IIICLASS 98155203		flash point (including molten metals, molten salts, etc.).	9	UN3257	ш	CLASS 9		None	None	Not Accepted by FedEx Ground
Engines, internal combustion, flammable gas powered       9       UN3166       CLASS 9       135       220       220       May not be regulated via highway         Engines, internal combustion, flammable liquid powered       9       UN3166       CLASS 9       135       220       220       May not be regulated via highway         G       Environmentally hazardous substances, liquid, n.o.s.       9       UN3082       III       CLASS 9       8       155       203		Elevated temperature solid, n.o.s., at or above 240 C, see section	9	UN3258	ш	CLASS 9		247(h)(4)	None	Not Accepted by FedEx Ground
Engines, internal combustion, flammable liquid powered       9       UN3166       CLASS 9       135       220       220       May not be regulated via highway         G       Environmentally hazardous substances, liquid, n.o.s.       9       UN3082       III       CLASS 9       8       155       203			9	UN3166		CLASS 9	135	220	220	May not be regulated via highway
G Environmentally hazardous substances, liquid, n.o.s. 9 UN3082 III CLASS 9 8 155 203		Engines, internal combustion, flammable liquid powered	9	UN3166		CLASS 9	135	220	220	May not be regulated via highway
G Environmentally hazardous substances, solid, n.o.s. 9 UN3077 III CLASS 9 8,N20 155 213	G	Environmentally hazardous substances, liquid, n.o.s.	9	UN3082	ш	CLASS 9	8	155	203	
	G	Environmentally hazardous substances, solid, n.o.s.	9	UN3077	III	CLASS 9	8,N20	155	213	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Epibromohydrin	6.1 (3)	UN2558	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Epichlorohydrin	6.1 (3)	UN2023	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	1,2-Epoxy-3-ethoxypropane	3	UN2752	Ш	FLAMMABLE LIQUID		150	203	
	Esters, n.o.s.	3	UN3272	Π	FLAMMABLE LIQUID		150	202	
	Esters, n.o.s.	3	UN3272	ш	FLAMMABLE LIQUID		150	203	
	Etching acid, liquid, n.o.s., see Hydrofluoric acid, solution etc.		11014025				207	20.4	
D	Ethane	2.1	UN1035 NA1961		FLAMMABLE GAS		306 None	304 316	
D	Ethane-Propane mixture, refrigerated liquid	2.1			FLAMMABLE GAS				Not Accepted by FedEx Ground
	Ethane, refrigerated liquid Ethanol amine dinitrate	2.1 Forbid- den	UN1961		FLAMMABLE GAS		None	None	Not Accepted by FedEx Ground
	Ethanolamine or Ethanolamine solutions	Forbid- den 8	UN2491	ш	CORROSIVE		154	203	
	Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol	3	UN1170	п	FLAMMABLE LIQUID	24	154	203	
	solutions Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol	3	UN1170	ш	FLAMMABLE LIQUID	24	150	203	
	solutions								
	Ether, see Diethyl ether		11512271	т			150	202	
	Ethers, n.o.s.	3	UN3271 UN3271	П Ш	FLAMMABLE LIQUID		150		
	Ethers, n.o.s.	3	UN3271 UN2935	III	FLAMMABLE LIQUID		150 150	203	
	Ethyl 2-chloropropionate	3		ш	FLAMMABLE LIQUID		150	203	
	Ethyl acetate	3 2.1	UN1173 UN2452	ш	FLAMMABLE LIQUID FLAMMABLE GAS		150 None	202 304	
	Ethylacetylene, stabilized Ethyl acrylate, stabilized	3	UN2452 UN1917	п	FLAMMABLE GAS		150	202	
	Ethyl alcohol, see Ethanol	3	UN1917	ш	FLAMMABLE LIQUID		150	202	
	Ethyl aldehyde, see Acetaldehyde								
	Ethylamine	2.1	UN1036		FLAMMABLE GAS		None	321	
	<b>Ethylamine</b> <b>Ethylamine, aqueous solution</b> with not less than 50 percent but not less than 70 percent ethylamine	3 (8)	UN2270	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Ethyl amyl ketone	3	UN2271	Ш	FLAMMABLE LIQUID		150	203	
	N-Ethylaniline	6.1	UN2272	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Ethylaniline	6.1	UN2273	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethylbenzene	3	UN1175	Π	FLAMMABLE LIQUID		150	202	
	N-Ethylbenzyltoluidines liquid	6.1	UN2753	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	N-Ethylbenzyltoluidines solid	6.1	UN3460	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl borate	3	UN1176	п	FLAMMABLE LIQUID		150	202	
	Ethyl bromide	6.1	UN1891	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl bromoacetate	6.1 (3)	UN1603 UN2275	П	POISON, FLAMMABLE LIQUID**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Ethylbutanol	3	UN2275 UN1177	III	FLAMMABLE LIQUID		150	203	
	2-Ethylbutyl acetate	3	UN1177 UN1179	ш	FLAMMABLE LIQUID FLAMMABLE LIQUID		150 150	203 202	
	Ethyl butyl ether 2-Ethylbutyraldehyde	3	UN1179 UN1178	П	FLAMMABLE LIQUID		150	202	
	Ethyl butyrate	3	UN1178 UN1180	ш	FLAMMABLE LIQUID		150	202	
	Intri Dutyrate	3	0111100	m	TEAMMADEE LIQUID		130	203	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Ethyl chloride	2.1	UN1037		FLAMMABLE GAS		None	322	
	Ethyl chloroacetate	6.1 (3)	UN1181	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl chloroformate	6.1 (3,8)	UN1182	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2,N34	None	227	Not Accepted by FedEx Ground
+	Ethyl chlorothioformate	8 (6.1,3)	UN2826		CORROSIVE, POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Ethyl crotonate	3	UN1862	П	FLAMMABLE LIQUID		150	202	
	Ethyldichloroarsine	6.1	UN1892	I	POISON	2	None	227	Not Accepted by FedEx Ground
	Ethyldichlorosilane	4.3 (8,3)	UN1183	I	DANGEROUS WHEN WET, CORROSIVE, FLAMMABLE LIQUID**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethylene	2.1	UN1962		FLAMMABLE GAS		306	304	
	<b>Ethylene, acetylene and propylene mixtures, refrigerated liquid</b> with a least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene	2.1	UN3138		FLAMMABLE GAS		None	304	
	Ethylene chlorohydrin	6.1 (3)	UN1135	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Ethylenediamine	8 (3)	UN1604	П	CORROSIVE, FLAMMABLE LIQUID		154	202	
	Ethylene diamine diperchlorate	Forbid- den							
	Ethylene dibromide	6.1	UN1605	Ι	POISON	2	None	227	Not Accepted by FedEx Ground
	Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures								
	Ethylene dichloride	3 (6.1)	UN1184	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethylene glycol diethyl ether	3	UN1153	П	FLAMMABLE LIQUID		150	202	
	Ethylene glycol diethyl ether	3	UN1153	ш	FLAMMABLE LIQUID		150	203	
	Ethylene glycol dinitrate	Forbid- den							
	Ethylene glycol monoethyl ether	3	UN1171	ш	FLAMMABLE LIQUID		150	203	
	Ethylene glycol monoethyl ether acetate	3		ш	÷		150	203	
	Ethylene glycol monomethyl ether	3	UN1188	ш			150	203	
	Ethylene glycol monomethyl ether acetate	3	UN1189	ш	FLAMMABLE LIQUID		150	203	
	Ethyleneimine, stabilized	6.1 (3)	UN1185	I	POISON, FLAMMABLE LIQUID	1, N25, N32	None	226	Not Accepted by FedEx Ground
	Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide	2.1	UN1041		FLAMMABLE GAS		306	304	
	Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide	2.2	UN1952		NONFLAMMABLE GAS		306	304	
	Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide	2.3 (2.1)	UN3300		POISON GAS, FLAMMABLE GAS	4	None	304	Not Accepted by FedEx Ground
	<b>Ethylene oxide and chlorotetrafluoroethane mixture</b> with not more than 8.8 percent ethylene oxide	2.2	UN3297		NONFLAMMABLE GAS		306	304	
	<b>Ethylene oxide and dichlorodifluoromethane mixture</b> , with not more than 12.5 percent ethylene oxide	2.2	UN3070		NONFLAMMABLE GAS		306	304	
	<b>Ethylene oxide and pentafluoroethane mixture</b> with not more than 7.9 percent ethylene oxide	2.2	UN3298		NONFLAMMABLE GAS		306	304	
	<b>Ethylene oxide and propylene oxide mixtures</b> , with not more than 30 percent ethylene oxide	3 (6.1)	UN2983	I	FLAMMABLE LIQUID, POISON**	5,N4,N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Ethylene oxide and tetrafluoroethane mixture</b> with not more than 5.6 percent ethylene oxide	2.2	UN3299		NONFLAMMABLE GAS		306	304	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Ethylene oxide</b> or <b>Ethylene oxide with nitrogen</b> up to a total pressure of 1MPa (10 bar) at 50 degrees C	2.3 (2.1)	UN1040		POISON GAS, FLAMMABLE GAS	4	None	323	Not Accepted by FedEx Ground
	Ethylene, refrigerated liquid (cryogenic liquid)	2.1	UN1038		FLAMMABLE GAS		None	316	Not Accepted by FedEx Ground
	Ethyl ether, see Diethyl ether								
	Ethyl fluoride or Refrigerant gas R 161	2.1	UN2453		FLAMMABLE GAS		306	304	
	Ethyl formate	3	UN1190	П	FLAMMABLE LIQUID		150	202	
	Ethylhexaldehyde, see Octyl aldehydes etc.								
	2-Ethylhexylamine	3 (8)	UN2276	Ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	2-Ethylhexyl chloroformate	6.1 (8)	UN2748	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl hydroperoxide	Forbid- den							
	Ethyl isobutyrate	3	UN2385	П	FLAMMABLE LIQUID		150	202	
+	Ethyl isocyanate	3 (6.1)	UN2481	Ι	FLAMMABLE LIQUID, POISON	1	None	226	Not Accepted by FedEx Ground
	Ethyl lactate	3	UN1192	ш			150	203	
	Ethyl mercaptan	3	UN2363	Ι	FLAMMABLE LIQUID		None	201	
	Ethyl methacrylate, stabilized	3	UN2277	П	FLAMMABLE LIQUID		150	202	
	Ethyl methyl ether	2.1	UN1039		FLAMMABLE GAS		None	201	
	Ethyl methyl ketone or Methyl ethyl ketone	3	UN1193	п	FLAMMABLE LIQUID		150	202	
	N-Ethyl-N-benzylaniline	6.1	UN2274	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl nitrite solutions	3 (6.1)	UN1194	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl orthoformate	3	UN2524	Ш	FLAMMABLE LIQUID		150	203	
	Ethyl oxalate	6.1	UN2525	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyl perchlorate	Forbid- den							
	Ethylphenyldichlorosilane	8	UN2435	п	CORROSIVE	N34	None	202	
D	Ethyl phosphonothioic dichloride, anhydrous	6.1 (8)	NA2927	Ι	POISON, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
D	Ethyl phosphonous dichloride, anhydrous pyrophoric liquid	6.1 (4.2)	NA2845	I	POISON, SPONTANEOUSLY COMBUSTIBLE	2	None	227	Not Accepted by FedEx Ground
D	Ethyl phosphorodichloridate	6.1 (8)	NA2927	Ι	POISON, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
	1-Ethylpiperidine	3 (8)	UN2386	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Ethyl propionate	3	UN1195	П	FLAMMABLE LIQUID		150	202	
	Ethyl propyl ether	3	UN2615	П	FLAMMABLE LIQUID		150	202	
	Ethyl silicate, see Tetraethyl silicate								
	N-Ethyltoluidines	6.1	UN2754	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ethyltrichlorosilane	3 (8)	UN1196	П	FLAMMABLE LIQUID, CORROSIVE	N34	150	202	
	Etiologic agent, see Infectious substances, etc.								
	Explosive articles, see Articles, explosive , n.o.s. etc.								
	Explosive, blasting, type A	1.1D	UN0081	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Explosive, blasting, type B	1.1D	UN0082	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Explosive, blasting, type B or Agent blasting, Type B	1.5D	UN0331	п	EXPLOSIVE 1.5D	105, 106	None	62	Not Accepted by FedEx Ground
	Explosive, blasting, type C	1.1D	UN0083	П	EXPLOSIVE 1.1D	123	None	62	Not Accepted by FedEx Ground
	Explosive, blasting, type D	1.1D	UN0084	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Explosive, blasting, type E	1.1D	UN0241	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Explosive, blasting, type E or Agent blasting, Type E	1.5D	UN0332	п	EXPLOSIVE 1.5D	105, 106	None	62	Not Accepted by FedEx Ground
	Explosive, forbidden. See Sec. 173.54	Forbid- den							

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(\$173.***)	
								()	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Explosives, slurry, see Explosive, blasting, type E								
	Explosive substances, see Substances, explosive, n.o.s. etc.								
	Explosives, water gels, see Explosive, blasting, type E								
	Extracts, aromatic, liquid	3	UN1169	П	FLAMMABLE LIQUID	149	150	202	
	Extracts, aromatic, liquid	3	UN1169	Ш	FLAMMABLE LIQUID		150	203	
	Extracts, flavoring, liquid	3	UN1197	Π	FLAMMABLE LIQUID	149	150	202	
	Extracts, flavoring, liquid	3	UN1197	ш	FLAMMABLE LIQUID		150	203	
	Fabric with animal or vegetable oil, see Fibers or fabrics, etc.								
	Ferric arsenate	6.1	UN1606	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ferric arsenite	6.1	UN1607	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Ferric chloride, anhydrous	8	UN1773	Ш	CORROSIVE		154	213	
	Ferric chloride, solution	8	UN2582	III	CORROSIVE		154	203	
	Ferric nitrate	5.1	UN1466	ш	OXIDIZER		152	213	
	Ferrocerium	4.1	UN1323	Π	FLAMMABLE SOLID	59	151	212	
	Ferrosilicon, with 30 percent or more but less than 90 percent silicon	4.3 (6.1)	UN1408	ш	DANGEROUS WHEN WET, POISON**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Ferrous arsenate	6.1	UN1608	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
D	Ferrous chloride, solid	8	NA1759	П	CORROSIVE		154	212	
D	Ferrous chloride, solution	8	NA1760	П	CORROSIVE		154	202	
	Ferrous metal borings or Ferrous metal shavings or Ferrous metal	4.2	UN2793	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accorted by FedEy Crownd
	turnings or Ferrous metal cuttings in a form liable to self-heating	4.2	0112795		SFONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Fertilizer ammoniating solution with free ammonia	2.2	UN1043		NONFLAMMABLE GAS		306	304	
AIW	Fibers, animal orFibers, vegetable burnt, wet or damp	4.2	UN1372	III	SPONTANEOUSLY COMBUSTIBLE		151	213	May not be regulated via highway
AIW	Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil	4.2	UN1373	ш	SPONTANEOUSLY COMBUSTIBLE	137	None	213	May not be regulated via highway
	Fibers <i>or</i> Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s.	4.1	UN1353	ш	FLAMMABLE SOLID		None	213	
IW	Fibers, vegetable, dry	4.1	UN3360	III	FLAMMABLE SOLID	137	151	213	
	Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap								
	Films, nitrocellulose base, gelatine coated (except scrap)	4.1	UN1324	Ш	FLAMMABLE SOLID		None	183	
	Fire extinguisher charges, corrosive liquid	8	UN1774	П	CORROSIVE	N41	154	202	
	Fire extinguisher charges, expelling, explosive, see <b>Cartridges, power</b>	Ŭ	011111		COMPOSI / D		101	202	
	device								
	Fire extinguishers containing compressed or liquefied gas	2.2	UN1044		NONFLAMMABLE GAS	18, 110	309	309	
	Firelighters, solid with flammable liquid	4.1	UN2623	Ш	FLAMMABLE SOLID		None	213	
	Fireworks	1.1G	UN0333	П	EXPLOSIVE 1.1G	108	None	62	Not Accepted by FedEx Ground
	Fireworks	1.2G	UN0334	Π	EXPLOSIVE 1.2G	108	None	62	Not Accepted by FedEx Ground
	Fireworks	1.3G	UN0335	П	EXPLOSIVE 1.3G	108	None	62	Not Accepted by FedEx Ground
	Fireworks	1.4G	UN0336	Π	EXPLOSIVE 1.4G	108	None	62	Not Accepted by FedEx Ground
	Fireworks	1.48	UN0337	П	EXPLOSIVE 1.4S	108	None	62	Not Accepted by FedEx Ground
	First aid kits	9	UN3316		CLASS 9	15	161	161	See Special Provision 15
W	Fish meal, stabilized or Fish scrap, stabilized	9	UN2216	Ш	NONE	155	155	218	May not be regulated via highway
	Fish meal, unstablized or Fish scrap, unstabilized	4.2	UN1374	П	SPONTANEOUSLY COMBUSTIBLE	155	None	212	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Fissile radioactive materials, see Radioactive material, fissile, n.o.s.								
	Flammable compressed gas, see Compressed or Liquefied gas,								
	flammable, etc.								
	Flammable compressed gas (small receptacles not fitted with a dispersion during not refugile), and <b>Boomtoolen</b> at								
	device, not refillable), see Receptacles, etc. Flammable gas in lighters, see Lighters or Lighter refills,								
	cigarettes, containing flammable gas								
G	Flammable liquids, corrosive, n.o.s.	3 (8)	UN2924	Ι	FLAMMABLE LIQUID, CORROSIVE		None	201	
G	Flammable liquids, corrosive, n.o.s.	3 (8)	UN2924 UN2924	П	FLAMMABLE LIQUID, CORROSIVE		150	201	
G	Flammable liquids, corrosive, n.o.s.	3 (8)	UN2924 UN2924	ш	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Flammable liquids, n.o.s.	3	UN1993	I	FLAMMABLE LIQUID		150	203	
G	Flammable liquids, n.o.s.	3	UN1993	П	FLAMMABLE LIQUID		150	201	
	Flammable liquids, n.o.s.	3	UN1993	Ш	FLAMMABLE LIQUID		150	202	
	Flammable liquids, toxic, n.o.s.	3 (6.1)	UN1992	I	FLAMMABLE LIQUID, POISON**		None	203	Accepted only when packaged under applicable
	Flammable liquids, toxic, n.o.s.	3 (6.1)	UN1992	п	FLAMMABLE LIQUID, POISON**		150	202	special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Flammable liquids, toxic, n.o.s.	3 (6.1)	UN1992	ш	FLAMMABLE LIQUID, POISON**		150	203	special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Flammable liquid, toxic, corrosive, n.o.s.	3 (6.1,8)	UN3286	I	FLAMMABLE LIQUID, POISON,		None	201	special permit, 49CFR 173.13 Accepted only when packaged under applicable
	Flammable liquid, toxic, corrosive, n.o.s.	3 (6.1,8)	UN3286	п	CORROSIVE** FLAMMABLE LIQUID, POISON,		150	202	special permit or 49CFR 173.13 Accepted only when packaged under applicable
					CORROSIVE**				special permit or 49CFR 173.13
G G	Flammable solid, corrosive, inorganic, n.o.s. Flammable solid, corrosive, inorganic, n.o.s.	4.1 (8)	UN3180 UN3180	П Ш	FLAMMABLE SOLID, CORROSIVE FLAMMABLE SOLID, CORROSIVE		151	212	
		4.1 (8) 4.1	UN3180 UN3178	П	· · · · · · · · · · · · · · · · · · ·		151 151	213 212	
G	Flammable solid, inorganic, n.o.s. Flammable solid, inorganic, n.o.s.	4.1	UN3178 UN3178	ш	FLAMMABLE SOLID FLAMMABLE SOLID		151	212	
	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	П	FLAMMABLE SOLID FLAMMABLE SOLID		151	213	Not Accepted by FedEx Ground
G	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	ш	FLAMMABLE SOLID FLAMMABLE SOLID		151	212	Not Accepted by FedEx Ground
	Flammable solid, oxidizing, n.o.s.	4.1 (5.1)	UN3097	П	FLAMMABLE SOLID FLAMMABLE SOLID, OXIDIZER	131	None	213	Not Accepted by FedEx Ground
G	Flammable solid, oxidizing, n.o.s.	4.1 (5.1)	UN3097 UN3097	ш	FLAMMABLE SOLID, OXIDIZER	131	None	214	Not Accepted by FedEx Ground
	Flammable solids, corrosive, organic, n.o.s.	4.1 (8)	UN2925	П	FLAMMABLE SOLID, CORROSIVE	151	None	214	Not Accepted by FedEx Ground
G	Flammable solids, corrosive, organic, n.o.s.	4.1 (8)	UN2925	ш	FLAMMABLE SOLID, CORROSIVE		151	212	
	Flammable solids, organic, n.o.s.	4.1	UN1325	П	FLAMMABLE SOLID, CORROSIVE		151	213	
G	Flammable solids, organic, n.o.s.	4.1	UN1325	ш	FLAMMABLE SOLID		151	212	
	Flammable solids, toxic, organic, n.o.s.	4.1 (6.1)	UN2926	п	FLAMMABLE SOLID, POISON**		151	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Flammable solids, toxic, organic, n.o.s.	4.1 (6.1)	UN2926	ш	FLAMMABLE SOLID, POISON**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13
G	Flammable solid, toxic, inorganic, n.o.s.	4.1 (6.1)	UN3179	п	FLAMMABLE SOLID, POISON**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13
G	Flammable solid, toxic, inorganic, n.o.s.	4.1 (6.1)	UN3179	ш	FLAMMABLE SOLID, POISON**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Flares, aerial	1.2G	UN0421	П	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
	Flares, aerial	1.3G	UN0093	п	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Flares, aerial	1.4G	UN0403	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Flares, aerial	1.48	UN0404	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Flares, aerial	1.1G	UN0420	Π	EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
	Flares, airplane, see Flares, aerial								
	Flares, signal, see Cartridges, signal								
	Flares, surface	1.1G	UN0418	Π	EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
	Flares, surface	1.2G	UN0419	Π	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
	Flares, surface	1.3G	UN0092	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Flares, water-activated, see Contrivances, water-activated, etc.								
	Flash powder	1.1G	UN0094	П	EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
	Flash powder	1.3G	UN0305	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Flue dusts, poisonous, see Arsenical dust								
	Fluoric acid, see Hydrofluoric acid, solution, etc.								
	Fluorine, compressed	2.3 (5.1,8)	UN1045		POISON GAS, OXIDIZER, CORROSIVE	1	None	302	Not Accepted by FedEx Ground
	Fluoroacetic acid	6.1	UN2642	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Fluoroanilines	6.1	UN2941	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Fluorobenzene	3	UN2387	Π	FLAMMABLE LIQUID		150	202	
	Fluoroboric acid	8	UN1775	Π	CORROSIVE	N3,N34	154	202	
	Fluorophosphoric acid anhydrous	8	UN1776	Π	CORROSIVE	N3,N34	None	202	
	Fluorosilicates, n.o.s.	6.1	UN2856	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Fluorosilicic acid	8	UN1778	Π	CORROSIVE	N3,N34	None	202	
	Fluorosulfonic acid	8	UN1777	Ι	CORROSIVE	N3	None	201	
	Fluorotoluenes	3	UN2388	Π	FLAMMABLE LIQUID		150	202	
	Forbidden materials. See 173.21	Forbid- den							
	Formaldehyde, solutions, flammable	3 (8)		Ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Formaldehyde, solutions, with not less than 25 percent formaldehyde	8	UN2209	ш	CORROSIVE		154	203	
	Formalin, see Formaldehyde, solutions								
	Formic acid	8	UN1779	п	CORROSIVE		154	202	
	Fracturing devices, explosive, without detonators for oil wells	1.1D	UN0099	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Fuel, aviation, turbine engine	3	UN1863	Ι	FLAMMABLE LIQUID	144	150	201	
	Fuel, aviation, turbine engine	3	UN1863 UN1863	П Ш	FLAMMABLE LIQUID	144 144	150 150	202 203	
	Fuel, aviation, turbine engine	3	UN1863 NA1993	ш	FLAMMABLE LIQUID	144	150	203	
D	<b>Fuel oil</b> (No. 1,2,4,5, or 6) Fuel system components (including fuel control units (FCU), carburetors,	3	NA1995	ш	FLAMMABLE LIQUID	144	150	203	
	fuel lines, fuel pumps) see <b>Dangerous Goods in Apparatus</b> or								
	Danagerous Goods in Machinery								
	Fulminate of mercury (dry)	Forbid- den							
	Fulminate of mercury, wet, see Mercury fulminate, etc.	I of blu- uch							
	Fulminating gold	Forbid- den							
	Fulminating mercury	Forbid- den							
	Fulminating platinum	Forbid- den							
	Fulminating silver	Forbid- den							
	Fulminic acid	Forbid- den							
	Fumaryl chloride	8	UN1780	п	CORROSIVE		154	202	
	<i>Fumigated lading, see 172.302(g), 173.9 and 176.76(h)</i>								
	Fumigated transport vehicle or freight container see 173.9								
	- * * *	•				-			

-	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
1	Furaldehydes	6.1 (3)	UN1199	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Furan	3	UN2389	Ι	FLAMMABLE LIQUID		None	201	
	Furfuryl alcohol	6.1	UN2874	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Furfurylamine	3 (8)	UN2526	ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Fuse, detonating, metal clad, see Cord, detonating, metal clad								
	Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad								
D	Fusee (railway or highway)	4.1	NA1325	Π	FLAMMABLE SOLID		None	184	
	Fuse, igniter tubular metal clad	1.4G	UN0103	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Fusel oil	3	UN1201	Π	FLAMMABLE LIQUID		150	202	
-	Fusel oil	3	UN1201	Ш	FLAMMABLE LIQUID		150	203	
	Fuse, non-detonating (instantaneous or quickmatch)	1.3G	UN0101	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Fuse, safety	1.4S	UN0105	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Fuses, tracer, see Tracers for ammunition								
	Fuzes, combination, percussion and time, see Fuzes, detonating (UN								
	0257, UN 0367); Fuzes, igniting (UN 0317, UN0368)								
	Fuzes, detonating	1.1B	UN0106	Π	EXPLOSIVE 1.1B		None	62	Not Accepted by FedEx Ground
	Fuzes, detonating	1.2B	UN0107	Π	EXPLOSIVE 1.2B		None	62	Not Accepted by FedEx Ground
	Fuzes, detonating	1.4B	UN0257	п	EXPLOSIVE 1.4B	116	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Fuzes, detonating	1.45	UN0367	п	EXPLOSIVE 1.4S	116	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Fuzes, detonating, with protective features	1.1D	UN0408	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Fuzes, detonating, with protective features	1.2D	UN0409	Π	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Fuzes, detonating, with protective features	1.4D	UN0410	п	EXPLOSIVE 1.4D	116	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Fuzes, igniting	1.3G	UN0316	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Fuzes, igniting	1.4G	UN0317	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Fuzes, igniting	1.48	UN0368	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Galactsan trinitrate	Forbid- den							
·	Gallium	8	UN2803	ш	CORROSIVE		None	162	
	Gas cartridges, (flammable) without a release device, non-refillable	2.1	UN2037		FLAMMABLE GAS		306	304	
	Gas generator assemblies (aircraft), containing a non-flammable non- toxic gas and a propellant cartridge	2.2			NONFLAMMABLE GAS		None	335	
	Gas identification set	2.3	NA9035		POISON GAS	6	None	194	Not Accepted by FedEx Ground
D	<b>Gasohol</b> gasoline mixed with ethyl alcohol, with not more than 20 percent alcohol	3	NA1203	п	FLAMMABLE LIQUID	144	150	202	
1 - 1		1		1		1	1		

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Gasoline	3	UN1203	Π	FLAMMABLE LIQUID	144	150	202	
	Gasoline, casinghead, see Gasoline								
G	Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid)	2.1	UN3312		FLAMMABLE GAS		None	316	Not Accepted by FedEx Ground
G	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158		NONFLAMMABLE GAS		320	316	Accepted only when packaged under exception 49CFR 173.320
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2 (5.1)	UN3311		NONFLAMMABLE GAS, OXIDIZER		320	316	Accepted only when packaged under exception 49CFR 173.320
	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.1	UN3167		FLAMMABLE GAS		306	302, 304	
	Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3 (2.1)	UN3168		POISON GAS, FLAMMABLE GAS	6	306	302	Not Accepted by FedEx Ground
	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	UN3169		POISON GAS	6	306	302, 304	Not Accepted by FedEx Ground
	Gelatine, blasting, see Explosive, blasting, type A								
	Gelatine dynamites, see Explosive, blasting, type A								
	Germane	2.3 (2.1)	UN2192		POISON GAS, FLAMMABLE GAS	2	None	302	Not Accepted by FedEx Ground
	Glycerol-1,3-dinitrate	Forbid- den							
	Glycerol alpha-monochlorohydrin	6.1	UN2689	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Glycerol gluconate trinitrate	Forbid- den							
	Glycerol lactate trinitrate	Forbid- den							
	Glyceryl trinitrate, see Nitroglycerin, etc.								
	Glycidaldehyde	3 (6.1)	UN2622	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Grenades, hand or rifle, with bursting charge	1.1D	UN0284	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Grenades, hand or rifle, with bursting charge	1.2D	UN0285	П	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Grenades, hand or rifle, with bursting charge	1.1F	UN0292	Π	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Grenades, hand or rifle, with bursting charge	1.2F	UN0293	П	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	Grenades, illuminating, see Ammunition, illuminating, etc.								
	Grenades, practice, hand or rifle 1.	1.48	UN0110	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Grenades, practice, hand or rifle 1.	1.3G	UN0318	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Grenades, practice, hand or rifle 1.	1.2G	UN0372	Π	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
	Grenades, practice, Hand or rifle	1.4G	UN0452	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Grenades, smoke, see Ammunition, smoke, etc.								
	Guanidine nitrate	5.1	UN1467	Ш	OXIDIZER		152	213	
	Guanyl nitrosaminoguanylidene hydrazine (dry)	Forbid- den							
	Guanyl nitrosaminoguanylidene hydrazine, wetted with not less than 30	1.1A	UN0113	п	EVELOSIUE 1.14	111 117	News	0	Not Accounted by FodEy Crownd
	percent water, by mass	1.1A	UNUIIS	п	EXPLOSIVE 1.1A	111, 117	None	62	Not Accepted by FedEx Ground
	Guanyl nitrosaminoguanyltetrazene (dry)	Forbid- den							
	Guanyl nitrosaminoguanylidene hydrazine, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass	1.1A	UN0114	п	EXPLOSIVE 1.1A	111, 117	None	62	Not Accepted by FedEx Ground
	Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN0028)								
	Gunpowder, granular or as a meal, see Black powder (UN0027)								
	Hafnium powder, dry	4.2	UN2545	Ι	SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Hafnium powder, dry	4.2	UN2545	Π	SPONTANEOUSLY COMBUSTIBLE	N34	None	212	Not Accepted by FedEx Ground
	Hafnium powder, dry	4.2	UN2545	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Hafnium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	UN1326	п	FLAMMABLE SOLID	N34	None	212	
	Hand signal device, see Signal devices, hand								
	Hazardous substances, liquid or solid, n.o.s., see Environmentally								
-	hazardous substances, etc.								
	Hazardous waste, liquid, n.o.s.	9	NA3082	ш	CLASS 9		155	203	Not Accepted by FedEx Ground
D,G	Hazardous waste, solid, n.o.s.	9	NA3077	Ш	CLASS 9		155	213	Not Accepted by FedEx Ground
	Heating oil, light	3	UN1202	ш	FLAMMABLE LIQUID		150	203	
	Helium, compressed	2.2	UN1046		NONFLAMMABLE GAS		306	302	
	Helium-oxygen mixture, see Rare gases and oxygen mixtures								
	Helium, refrigerated liquid (cryogenic liquid)	2.2	UN1963		NONFLAMMABLE GAS**		320	316	Accepted only when packaged under exception 173.320
	Heptafluoropropane or Refrigerant gas R 227	2.2	UN3296		NONFLAMMABLE GAS		306	304	
	n-Heptaldehyde	3	UN3056	Ш	FLAMMABLE LIQUID		150	203	
	Heptanes	3	UN1206	П	FLAMMABLE LIQUID		150	202	
	n-Heptene	3	UN2278	Π	FLAMMABLE LIQUID		150	202	
	Hexachloroacetone	6.1	UN2661	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexachlorobenzene	6.1	UN2729	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexachlorobutadiene	6.1	UN2279	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexachlorocyclopentadiene	6.1	UN2646	Ι	POISON	2	None	227	Not Accepted by FedEx Ground
	Hexachlorophene	6.1	UN2875	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexadecyltrichlorosilane	8	UN1781	п	CORROSIVE	N34	None	202	
	Hexadienes	3	UN2458	п	FLAMMABLE LIQUID		None	202	
	Hexaethyl tetraphosphate and compressed gas mixtures	2.3	UN1612		POISON GAS	3	None	334	Not Accepted by FedEx Ground
	Hexaethyl tetraphosphate liquid	6.1	UN1611	п	POISON**	N76	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexaethyl tetraphosphate solid	6.1	UN1611	п	POISON**	N76	None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexafluoroacetone	2.3 (8)	UN2420		POISON GAS, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
	Hexafluoroacetone hydrate, liquid	6.1	UN2552	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hexafluoroacetone hydrate, solid	6.1	UN3436	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
_	Hexafluoroethane or Refrigerant gas R 116	2.2	UN2193		NONFLAMMABLE GAS		306	304	
	Hexafluorophosphoric acid	8	UN1782	Π	CORROSIVE	N3,N34	None	202	
	Hexafluoropropylene, compressed or Refrigerant gas R 1216	2.2	UN1858		NONFLAMMABLE GAS		306	304	
	Hexaldehyde	3	UN1207	ш	FLAMMABLE LIQUID		150	203	
	Hexamethylenediamine, solid	8	UN2280	ш	CORROSIVE		154	213	
	Hexamethylenediamine solution	8	UN1783	П	CORROSIVE		None	202	
	Hexamethylenediamine solution	8	UN1783	ш	CORROSIVE		154	203	
	Hexamethylene diisocyanate	6.1	UN2281	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

bit         Control         Control <thcontrol< th=""> <thcontrol< th=""> <thcontr< th=""><th></th><th>D.O.T. Basic Description for Hazardous Material Shipments</th><th></th><th></th><th></th><th></th><th></th><th>Packaging</th><th>(§173.***)</th><th></th></thcontr<></thcontrol<></thcontrol<>		D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Hexanethylenetina         300         UN283         II         FLAMMABLE SOLID         151         220           Hexanethylene trigenostic distance (dy)         Foodbak des         II         FLAMMABLE SOLID         151         233           Hexanethylene trigenostic distance (dy)         Foodbak des         II         FLAMMABLE SOLID         151         233           Hexanethylene trigenostic distance (dy)         Foodbak des         II         FLAMMABLE LIQUD         159         20           22.7.4.7.4.6.714cmitro-3.3 <sup>-4</sup> uhydrosytecobergene (dry)         Foodbak des         III         FLAMMABLE LIQUD         159         20           22.7.4.7.4.6.714cmitro-flow formine         Foodbak des         IIII         FLAMMABLE LIQUD         Now         62         Not Accepted by FedEx           22.7.4.7.4.6.714cmitro-flow formine         Foodbak des         IIIIII         Now         62         Not Accepted by FedEx           22.7.4.7.4.6.714cmitro-flow formine         Foodbak des         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		Hazardous materials descriptions and proper shipping names			PG	Label codes		Exceptions	NonBulk	FedEx Ground Restrictions
Hexanchyleneteranie         4.1         (N12)         III         FLAMMABLE SOLD         151         213           Hexanchyleneteranie         Forbid des         Forbid des <td< td=""><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td><td>(5)</td><td>(6)</td><td>(7)</td><td>(8A)</td><td>(8B)</td><td>(9)</td></td<>	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Hearmshyne trippervale diamine (by)         Paritie den         Image: Construction of the second sec		Hexamethyleneimine	3(8)	UN2493	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
Heams         Jorde de         Jorde de <thjorde de<="" th="">         Jorde de         <th< td=""><td></td><td>Hexamethylenetetramine</td><td>4.1</td><td>UN1328</td><td>ш</td><td>FLAMMABLE SOLID</td><td></td><td>151</td><td>213</td><td></td></th<></thjorde>		Hexamethylenetetramine	4.1	UN1328	ш	FLAMMABLE SOLID		151	213	
Hermits         3         UNIDE         II         FLAMMARE LIQUID         159         202           22,74,74,65 / Leanstro2, between         Enkid. den		Hexamethylene triperoxide diamine (dry)	Forbid- den							
2         27,47.6.6./Heamine 3.37-diphdrographeneme (hp)         Fundle den         Image: Control of the contreconte control of the control of the control of the con		Hexamethylol benzene hexanitrate	Forbid- den							
Hexanitroacroy beneration         Forbid-den         Image: Construct of the second sec		Hexanes	3	UN1208	п	FLAMMABLE LIQUID		150	202	
2         2         2         7         4         6         6         6         7           Hexanitrodphenylamica         Forbid-den         Forbid-den         Forbid-den         6         Not Accepted by FedEx           2         2.7.4.7.6.6./Hexanitrodphenylether         Forbid-den         6         Not Accepted by FedEx           N: Arbezanitrodphenyl ethylether         Forbid-den         6         6         6           N: Arbezanitrodphenyl ethylether         Forbid-den         6         6         6           Hexanitrodphenyl ethylether         Forbid-den         6         6         6           Hexanitrodphenyl ethylether         Forbid-den         6         6         6         6           Hexanitrostiliden         Forbid-den         6         6         6         6         6           Hexanitrostiliden         Forbid-den         1         10         108         20         6 <td< td=""><td></td><td>2,2',4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry)</td><td>Forbid- den</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		2,2',4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry)	Forbid- den							
Hexanitrodiphenylamine or Dipicylamine or Hexyl         1.10         UN079         II         EXPLOSIVE LID         New         62         Not Accepted by FedEx.           23.37 4.76 constructlyhenyl ethylene distramine (dry)         Febid-dea         I         International (heryl international (her)line)         Not Accepted (her)line)           Hexanitroshipediperial         Fabid-dea			Forbid- den							
2         2.3/4.1/6.0 <sup>4</sup> -Hexanitroduphenylether         Forble-den         Image: Constraint of the constr			Forbid- den							
NN-shcenatrodyhenyl edylane dintramine (dry)     Penkik dea Hexanitrodyhenyl ura (Fachik dea Hexanitrockamilde     Image: Construction of the state of t			1.1D	UN0079	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Hexanitrodiphenyl urea       Ferbid-den       F										
Hexanitrochane     Forbid-den     Image: Second Sec										
Hexanirozandilde     Forbid-den     I     Image: Construction of the second of the s			Forbid- den							
Iteramicsetilene       1.1D       UN892       II       EXPLOSIVE 1.1D       New       62       Not Accepted by FedEx 1         Hexanols       3       UN282       III       FLAMMABLE LIQUID       159       203         I-Hexene       3       UN282       III       FLAMMABLE LIQUID       159       202         Hexanols       3       UN282       III       FLAMMABLE LIQUID       159       202         Hexanols and cotgen ristures, wetted or desensitized sec.       III       IIII       IIIIII       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
Iteramote acid, see Corrosive liquids, n.o.s.       -       -       -       -       -       -         Hexanols       3       UN2282       III       FLAMMABLE LIQUID       150       203         I-Hexene       3       UN2287       II       FLAMMABLE LIQUID       150       203         I-Hexene       3       UN2287       II       FLAMMABLE LIQUID       150       203         I-Hexene       3       UN2287       II       FLAMMABLE LIQUID       150       203         Hexogen and cyclotetramethylenetetranitramine mixtures, wetted or desensitized etc.       -       -       -       -         Hexogen and octogen mixtures, wetted or desensitized etc.       -       -       -       -       -         Ibcogen and octogen mixtures, wetted or desensitized etc.       -       -       -       -       -         Hexotore, or ECyclotrimethylenetrintramine, etc.       -       -       -       -       -       -         Hexotoral       1.10       UN018       II       EXPLOSIVE 1.1D       Nose       62       Not Accepted by FedEx unangle etc.         Hexotoral       1.10       UN033       II       EXPLOSIVE 1.1D       Nose       201       -       -       -       -<										
Hexanols       3       UX282       III       FLAMMABLE LIQUID       150       203         I-Hexene       3       UX2370       II       FLAMMABLE LIQUID       150       202         Hexogen and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures wetted or desensitized etc.       3       UX3370       II       FLAMMABLE LIQUID       150       202         Hexogen and HMX mixtures wetted or desensitized etc.			1.1D	UN0392	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
1-Hexene       3       UN2370       II       FLAMMABLE LIQUID       150       202         Hexogen and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see       Main and HMX mixtures, wetted or desensitized see       Main and HMX mixtures, wetted or desensitized see       Main and HMX mixtures, wetted or desensitized see       RDX and HMX mixtures, wetted or desensitized see       Main and HMX mixtures, wetted or desensitized see       RDX and HMX mixtures, wetted or desensitized see       RDX and HMX mixtures, wetted or desensitized see       Main and HMX mixtures, wetted see flags and HMX mi										
Howen       Howen       Image: Construction of the sensitized set in the sensitit set in the sensitized set in the sensitit set										
desensitized see RDX and HMX mixtures, wetted or desensitized etc.       Image: Construct on the set of the sensitized etc.       Image: Construct on the sensitized etc.       <		1-Hexene	3	UN2370	п	FLAMMABLE LIQUID		150	202	
HMX mixtures, wetted or desensitized etc.       Image: construct of the sensitized etc.       Image: construct of thecc.       Image: construct of the sensitized etc.		desensitized see RDX and HMX mixtures, wetted or desensitized etc.								
HMX mixtures, wetted or desensitized etc.Image: Construct of the set of th		HMX mixtures, wetted or desensitized etc.								
Hexolite, or Hexotol dry or wetted with less than 15 percent water, by mass1.1DUN0118IIEXPLOSIVE 1.1DNone62Not Accepted by FedEx of Not Accepted by FedEx of Not Accepted by FedEx of NoneHexotonal1.1DUN0393IIEXPLOSIVE 1.1DNone62Not Accepted by FedEx of Not Accepted by FedEx of Not Accepted by FedEx of NoneHexyl, see Hexanitrodiphenylamine1UN0393IICORROSIVEN34None202Hexyltrichlorosilane8UN1784IICORROSIVEN34None202High explosives, see individual explosives' entries1CORROSIVE, FLAMMABLE LIQUID, POISON**None201Accepted only when packaged and special permit or 49CFR IHydrazine, anhydrous8 (3, 6.1)UN2039ICORROSIVE, POISON**None201Accepted only when packaged and special permit or 49CFR IHydrazine aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN2039ICORROSIVE, POISON**None201Accepted only when packaged and special permit or 49CFR IHydrazine aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN2039IICORROSIVE, POISON**None202Accepted only when packaged and special permit or 49CFR IHydrazine, aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN2039IICORROSIVE, POISON**None203Accepted only when packaged and 		0								
massnone62Not Accepted by FedEXHexotonal1.1DUN0393IIEXPLOSIVE 1.1DNone62Not Accepted by FedEXHexyl, see HexanitrodiphenylamineHexyl, see Hexanitrodiphenylamine8UN1784IICORROSIVE 1.1DNone62Not Accepted by FedEXHexyl, see individual explosives' entries8UN1784IICORROSIVENone202-HMX, see Cyclotetramethylenetetranitramine, etcHydrazine, anhydrous8(3, 6.1)UN20291CORROSIVE, FLAMMABLE LIQUID, POISON**None201Accepted only when packaged and special permit or 49CFR IHydrazine aqueous solutions with more than 37% hydrazine, by mass8(6.1)UN2030ICORROSIVE, POISON**None201Accepted only when packaged and special permit or 49CFR IHydrazine aqueous solutions with more than 37% hydrazine, by mass8(6.1)UN2030ICORROSIVE, POISON**None201Accepted only when packaged and special permit or 49CFR IHydrazine aqueous solutions with more than 37% hydrazine, by mass8(6.1)UN2030IICORROSIVE, POISON**None202Accepted only when packaged and special permit or 49CFR IHydrazine, aqueous solutions with more than 37% hydrazine, by mass8(6.1)UN2030IICORROSIVE, POISON**None202Accepted only when packaged and special permit or 49CFR IHydrazine, aqueous solutions with not m		Hexogen, see Cyclotrimethylenetrinitramine, etc.								
Hexyl, see       Hexanitrodiphenylamine       Image: Construct of the system of			1.1D	UN0118	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
Hexyl, see Hexanitrodiphenylamine       Image: Construct of the system of		Hexotonal	1.1D	UN0393	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
High explosives, see individual explosives' entries       Image: constraint of the explosive of the ex		Hexyl, see Hexanitrodiphenylamine								
HMX, see Cyclotetramethylenetetranitramine, etc.Image: Correct of the section of the s		Hexyltrichlorosilane	8	UN1784	Π	CORROSIVE	N34	None	202	
HMX, see Cyclotetramethylenetetranitramine, etc.Image: Correct of the second secon		High explosives, see individual explosives' entries								
Hydrazine, anhydrous8 (3, 6, 1)UN20291POISON**None201Special permit or 40CFR 1Hydrazine aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN20301CORROSIVE, POISON**None201Accepted only when packaged und special permit or 49CFR 1Hydrazine aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN203011CORROSIVE, POISON**None202Accepted only when packaged und special permit or 49CFR 1Hydrazine aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN203011CORROSIVE, POISON**None202Accepted only when packaged und special permit or 49CFR 1Hydrazine, aqueous solutions with more than 37% hydrazine, by mass8 (6.1)UN203011CORROSIVE, POISON**None203Accepted only when packaged und special permit or 49CFR 1Hydrazine, aqueous solution with not more than 37% hydrazine, by mass8 (6.1)UN203011CORROSIVE, POISON**None203Accepted only when packaged und special permit or 49CFR 1Hydrazine, aqueous solution with not more than 37 percent hydrazine, by6.1UN329311POISON**153203Accepted only when packaged und special permit or 49CFR 1		HMX, see Cyclotetramethylenetetranitramine, etc.								
Hydrazine aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       I       CORROSIVE, POISON**       None       201       Accepted only when packaged und special permit or 49CFR 1         Hydrazine aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       II       CORROSIVE, POISON**       None       202       Accepted only when packaged und special permit or 49CFR 1         Hydrazine aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       II       CORROSIVE, POISON**       None       203       Accepted only when packaged und special permit or 49CFR 1         Hydrazine, aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       III       CORROSIVE, POISON**       None       203       Accepted only when packaged und special permit or 49CFR 1         Hydrazine, aqueous solution with not more than 37 percent hydrazine, by       6.1       UN3293       III       POISON**       153       203       Accepted only when packaged und special permit or 49CFR 1		Hydrazine, anhydrous	8 (3, 6.1)	UN2029	I			None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
Hydrazine aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       II       CORROSIVE, POISON**       None       202       special permit or 49CFR 1         Hydrazine aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       II       CORROSIVE, POISON**       None       202       Special permit or 49CFR 1         Hydrazine, aqueous solution with not more than 37% hydrazine, by mass       8 (6.1)       UN2030       III       CORROSIVE, POISON**       None       203       Accepted only when packaged und special permit or 49CFR 1         Hydrazine, aqueous solution with not more than 37 percent hydrazine, by mass       6.1       UN3293       III       POISON**       153       203       Accepted only when packaged und special permit or 49CFR 1		Hydrazine aqueous solutions with more than 37% hydrazine, by mass	8 (6.1)	UN2030	I	CORROSIVE, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
Hydrazine aqueous solutions with more than 37% hydrazine, by mass       8 (6.1)       UN2030       III       CORROSIVE, POISON**       None       203       Special permit or 49CFR 1         Hydrazine, aqueous solution with not more than 37 percent hydrazine, by mass       6.1       UN3293       III       POISON**       153       203       Accepted only when packaged und special permit or 49CFR 1		Hydrazine aqueous solutions with more than 37% hydrazine, by mass	8 (6.1)	UN2030	п	CORROSIVE, POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
mass 6.1 UN3293 III POISON** 153 203 special permit or 49CFR 1		Hydrazine aqueous solutions with more than 37% hydrazine, by mass	8 (6.1)	UN2030	ш	CORROSIVE, POISON**		None	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
			6.1	UN3293	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
Hydrazine azide     Forbid- den			Forbid- den							
Hydrazine chlorate     Forbid- den			Forbid- den							
Hydrazine dicarbonic acid diazide Forbid- den E		Hydrazine dicarbonic acid diazide	Forbid- den							
Hydrazine perchlorate     Forbid- den			Forbid- den							

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Hydrazine selenate	Forbid- den							
	Hydriodic acid	8	UN1787	Π	CORROSIVE	N41	154	202	
	Hydriodic acid	8	UN1787	Ш	CORROSIVE		154	203	
	Hydriodic acid, anhydrous, see Hydrogen iodide, anhydrous								
	Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous								
	Hydrobromic acid, with more than 49 percent hydrobromic acid	8	UN1788	Π	CORROSIVE	N41	154	202	
	Hydrobromic acid, with more than 49 percent hydrobromic acid	8	UN1788	Ш	CORROSIVE		154	203	
	Hydrobromic acid, with not more than 49 percent hydrobromic acid	8	UN1788	Π	CORROSIVE	N41	154	202	
	Hydrobromic acid, with not more than 49 percent hydrobromic acid	8	UN1788	III	CORROSIVE		154	203	
	Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964		FLAMMABLE GAS		306	302	
	Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965		FLAMMABLE GAS		306	304	
	Hydrocarbons, liquid, n.o.s.	3	UN3295	I	FLAMMABLE LIQUID		150	201	
	Hydrocarbons, liquid, n.o.s.	3	UN3295	П	FLAMMABLE LIQUID		150	202	
	Hydrocarbons, liquid, n.o.s.	3	UN3295	III	FLAMMABLE LIQUID		150	203	
	Hydrochloric acid	8	UN1789	П	CORROSIVE	N41	154	202	
	Hydrochloric acid	8	UN1789	III	CORROSIVE		154	203	
	Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous								
	Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.								
	Hydrocyanic acid, aqueous solutions or hydrogen cyanide, aqueous		101/12		POLICON		<b>N</b> 7	107	
	solutions with not more than 20 percent hydrogen cyanide	6.1	UN1613	I	POISON	2	None	195	Not Accepted by FedEx Ground
D	Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide	6.1	NA1613	п	POISON**		None	195	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc.								
	Hydrocyanic acid (prussic), unstabilized	Forbid- den							
	Hydrofluoric acid and Sulfuric acid mixtures	8 (6.1)	UN1786	I	CORROSIVE, POISON**	N5,N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous								
	Hydrofluoric acid, with more than 60 percent strength	8 (6.1)	UN1790	I	CORROSIVE, POISON**	N5,N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hydrofluoric acid, with not more than 60 percent strength	8 (6.1)	UN1790	п	CORROSIVE, POISON**	N5,N34	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hydrofluoroboric acid, see Fluoboric acid								
	Hydrofluorosilicic acid, se e Fluorosilicic acid		******						
	Hydrogen and Methane mixtures, compressed	2.1	UN2034		FLAMMABLE GAS		306	302	
	Hydrogen bromide, anhydrous	2.3 (8)	UN1048		POISON GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
	Hydrogen chloride, anhydrous	2.3 (8)	UN1050		POISON GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
	Hydrogen chloride, refrigerated liquid	2.3 (8)	UN2186		POISON GAS, CORROSIVE	3	None	None	Not Accepted by FedEx Ground
	Hydrogen, compressed	2.1	UN1049		FLAMMABLE GAS		306	302	
	<b>Hydrogen cyanide, solution in alcohol</b> with not more than 45 percent hydrogen cyanide	6.1 (3)	UN3294	I	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Hydrogen cyanide, stabilized with less than 3 percent water	6.1 (3)	UN1051	Ι	POISON, FLAMMABLE LIQUID	1	None	195	Not Accepted by FedEx Ground
	<b>Hydrogen cyanide, stabilized</b> , with less than 3 percent water and absorbed in a porous inert material	6.1	UN1614	I	POISON**	5	None	195	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Hydrogendifluorides, n.o.s.	8	UN1740	П	CORROSIVE	N3,N34	None	212	
	Hydrogendifluorides, n.o.s.	8	UN1740	Ш	CORROSIVE	N3,N34	154	213	
	Hydrogen fluoride, anhydrous	8 (6.1)	UN1052	I	CORROSIVE, POISON	3	None	163	Not Accepted by FedEx Ground
	Hydrogen in a metal hydride storage system	2.1	UN3468		FLAMMABLE GAS	167	None	214	

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

Ibdrogen tolide solutions see Tydriedie wild     mathematical solutions     mathematical solutions <th></th> <th>D.O.T. Basic Description for Hazardous Material Shipments</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Packaging</th> <th>(§173.***)</th> <th></th>		D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Hydrogen indide, anthordens.     2.3     INIT?     POISN CAS     3     Num     344     Nut Accepted by Fell's Ground       Hydrogen persidie wahren, ser hydrogen persodie darb     5.4     0     US149     0     OXIN/28, CORRONY     165     Num     282       Hydrogen persidie, appresside, appresside acid     5.4     0     US344     0     OXIN/28, CORRONY     165     Num     282       Hydrogen perside, appresside, appresside (stabilized an eccesary)     5.4     0     US344     0     OXIN/28, CORRONY     12     Num     282       Hydrogen perside, appresside (stabilized an eccesary)     5.4     0     US344     0     OXIN/28, CORRONY     12     Num     282       Hydrogen perside, appresside (stabilized an eccesary)     5.4     0     US344     0     OXIN/28, CORRONY     12     Num     282       Hydrogen perside, appresside (stabilized an eccesary)     5.4     0     US344     10     OXIN/28, CORRONY     12     Num     283       Hydrogen perside, appresside (stabilized an eccesary)     5.4     0     US344     10     OXIN/28, CORRONY     12     Num     281       Hydrogen perside (stabilized an eccesary)     5.4     0     US344     10     OXIN/28, CORRONY     12     Num     281		Hazardous materials descriptions and proper shipping names			PG	Label codes		Exceptions	NonBulk	FedEx Ground Restrictions
Hydrogen tolde solution, see: Hydriedite acid     res     res     res     res     res     res       Hydrogen pervide a grownyczelie acid (witzwes, stabilized (witz     5.1 (b)     UN344     I     OXIDIZER, CORROSIVE     145     Nee     222       Hydrogen pervide, squeene solutions with met aft percent hydrogen pervide (stabilized as necessary)     5.1 (b)     UN344     I     OXIDIZER, CORROSIVE     112     Nee     232       Hydrogen pervide, squeene solutions with nucles than 2 percent hydrogen pervide (stabilized as necessary)     5.1 (b)     UN344     II     OXIDIZER, CORROSIVE     112     Nee     232       Hydrogen pervide, squeenes solutions with nucles than 3 percent hydrogen pervide (stabilized as necessary)     5.1 (b)     UN344     II     OXIDIZER, CORROSIVE     12     Nee     241       Hydrogen pervide, squeenes solutions with nucles than 3 percent hydrogen pervide     5.1 (b)     UN345     II     OXIDIZER, CORROSIVE     12     Nee     241       Hydrogen selenide, nulvierow     5.1 (b)     UN345     II     OXIDIZER, CORROSIVE     12     Nee     241       Hydrogen selenide, nulvierow     5.1 (b)     UN345     II     OXIDIZER, CORROSIVE     12     Nee     241       Hydrogen selenide, nulvierow     5.1 (b)     UN345     II     OXIDIZER, CORROSIVE     12     Nee     241	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Hydrogen persvide and persvise shallows shallowd with acids, wave and not more than 40 percent phydrogen persvide, squeenes solutions, stahl more than 40 percent phydrogen persvide, squeenes solutions with notes than 40 percent phydrogen persvide, squeenes solutions with notes than 40 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes solutions with notes than 20 percent phydrogen persvide, squeenes with a percent phydrogen persvide, squeenes with a percent phydrogen persvide, squeenes with a percent phydrogen persvide squeenes with a percent phydrogen persvide squeenes with a percent phydrogen percent phydr		Hydrogen iodide, anhydrous	2.3	UN2197		POISON GAS	3	None	304	Not Accepted by FedEx Ground
acids, water and normer than 2 percent percepticacialSA (0)CNUM(1)CNUMCAR, CORROSIVE(1)NumeJulHydrogen percende, squeenes solutions with more than 40 percent but one than 40 percent hydrogen percende (stabilized as necessary)51.(6)UN2014(1)OXIDIZER, CORROSIVE12NumeJulHydrogen percende, squeenes solutions with not lass than 20 percent but one than 40 percent hydrogen percende (stabilized as necessary)51.(6)UN2014(1)OXIDIZER, CORROSIVE12NumeJulHydrogen percende (stabilized as necessary)51.(6)UN2014(1)OXIDIZER, CORROSIVE12NumeJulHydrogen percende (stabilized as necessary)51.(6)UN2012IOXIDIZER, CORROSIVE12NumeJulHydrogen percende (stabilized as necessary)51.(6)UN2012IOXIDIZER, CORROSIVE12NumeJulHydrogen percende (stabilized as necessary)21.(1)UN2012POISON CAS, FLAMMABLE CASNumeJulJulHydrogen nervide, squapeur and the difference liquid)21.(1)UN2012POISON CAS, FLAMMABLE CASNumeJulJulHydrogen nervide, squapeur and the difference liquid)51.(1)UN2012POISON CAS, FLAMMABLE CASNumeJulJulHydrogen nervide, squapeur and the difference liquid)51.(1)UN2012POISON CAS, FLAMMABLE CASNumeJulJulHydrogen nervide, squapeur and the difference liquid51.(1)UN2012POISON CAS, FLAMMABLE CASNumeJulJul <tr< td=""><td></td><td>Hydrogen iodide solution, see Hydriodic acid</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>		Hydrogen iodide solution, see Hydriodic acid								
nore than 60 percent hydrogen percettel (stabilized as necessary)         51.(8)         CAM         II         OXIDIAL CORRENT.         12         Name         22           Hydrogen percettel, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen percettel (stabilized as necessary)         51.(8)         UN944         II         OXIDIALE CORRENT.         18         202           Hydrogen percettel (stabilized as necessary)         51.(8)         UN944         II         OXIDIALE CORRENT.         12         Name         202           Hydrogen percettel (stabilized as necessary)         51.(8)         UN944         II         OXIDIALE CORRENT.         12         Name         202           Hydrogen percettel hydrogen percettel stabilized or hydrogen percettel solutions. Nationare than 60 percent hydrogen percettel solutions. Nationare technologic solutions         10         UN966         FLAMMABLE GAS         Name         21         Not Accepted by FedEs Ground Productions Solution           Hydrogen andide         21         UN966         FLAMMABLE GAS         Name         21         Not Accepted by FedEs Ground Productions solution           Hydrogen more and for Hydrogen more and for the formation of the formation of the formatic acid         13         203         N			5.1 (8)	UN3149	п	OXIDIZER, CORROSIVE	145	None	202	
not nore than 40 percent hydrogen peroxide (stabilized as necessary)     S.10     U.Sata     10     U.Sata     10     U.Sata     12       H.ydrogen peroxide (stabilized as necessary)     S.1     U.Sata     11     U.Sata     152     203       H.ydrogen peroxide (stabilized as necessary)     S.1     U.Sata     11     U.Sata     112     Name     201       H.ydrogen peroxide (stabilized as necessary)     S.16     U.Sata     1     U.Sata     11     Name     201       H.ydrogen peroxide (stabilized as necessary)     S.16     U.Sata     1     U.Sata     Name     201       H.ydrogen peroxide (stabilized as necessary)     S.16     U.Sata     1     U.Sata     Name     201       H.ydrogen peroxide (stabilized as necessary)     S.16     U.Sata     1     U.Sata     Name     201       H.ydrogen peroxide (stabilized as necessary)     S.16     U.Sata     1     U.Sata     10     Name     104       H.ydrogen selecide, annydrous     S.17     U.Sata     1     U.Sata     10     Name     104     Name     104       Hydrogen selecide, annydrous     S.16     U.Sata     1     U.Sata     11     U.Sata     10     Name     104       Hydrogen infine, solution     6.1     U			5.1 (8)	UN2014	п	OXIDIZER, CORROSIVE	12	None	202	
Less than 20 percent hydrogen perceide (stabilized as necessary)NC.V.SMIIIOUNDZRINININHydrogen perceide (stabilized or Hydrogen perceide51 (8)U.N015IOXIDIZER, CORROSIVE12Nome301Hydrogen, refrigeratel liquid (crogenic liquid)2.1U.N066FLAMMABLE CASNome316Not Accepted by FedEx GroundHydrogen selenice, antylorous2.2 (2.1)U.N026POISON CAS, PLAMMABLE CASNome316Not Accepted by FedEx GroundHydrogen sulfate, see Sulfarie acid			5.1 (8)	UN2014	п	OXIDIZER, CORROSIVE		None	202	
solutions, stabilized with more than 00 precent hydrogen peroxide         S1 (8)         CX805         1         OXID/L2R, CORROSIVE.         12         Note         201           Illydrogen, stellatiguid (cryogenic liquid)         2.1         UN1966         I LANMABLE GAS         1         Nose         192         Not Accepted by FedEx Ground           Hydrogen sulfide         2.3 (2.1)         UN202         POISON GAS, FLAMMABLE GAS         1         Nose         192         Not Accepted by FedEx Ground           Hydrogen sulfide         2.3 (2.1)         UN1053         POISON GAS, FLAMMABLE GAS         2         Nose         304         Not Accepted by FedEx Ground           Hydrogen sulfide         2.3 (2.1)         UN163         POISON GAS, FLAMMABLE GAS         2         Nose         304         Accepted by FedEx Ground           Hydroguinone solitio         6.1         UN3452         II         POISON GAS, FLAMMABLE GAS         2         Nose         304         Accepted PCR		less than 20 percent hydrogen peroxide (stabilized as necessary)	5.1	UN2984	ш	OXIDIZER		152	203	
Hydrogen selenide, anhydrous     23 (2.1)     UN22     POISON GAS, FLAMMABLE GAS     1     Noe     192     Not Accepted by FedEX Ground       Hydrogen sulfate, see Sulfaric acid     2.3 (2.1)     UN1653     POISON GAS, FLAMMABLE GAS     2     None     344     Not Accepted by FedEX Ground       Hydrogen sulfate     6.1     UN865     III     POISON GAS, FLAMMABLE GAS     2     None     344     Not Accepted by FedEX Ground       Hydrogen solution     6.1     UN865     III     POISON SAS, FLAMMABLE GAS     2     None     344     Not Accepted by FedEX Ground       Hydrogen solution     6.1     UN865     III     POISON SAS, FLAMMABLE GAS     153     213     Accepted by Wean package ander spale special perial of ACCEPTATA       Hydrogen solution     6.1     UN845     III     POISON SAS, FLAMMABLE GAS     153     203       Hydrogen solution     6.1     UN845     III     CORROSIVE     154     213		solutions, stabilized with more than 60 percent hydrogen peroxide	5.1 (8)	UN2015	I	OXIDIZER, CORROSIVE	12	None	201	
Hydrogen selenide, anhydrous     23 (2.1)     UN22     POISON GAS, FLAMMABLE GAS     1     Noe     192     Not Accepted by FedEX Ground       Hydrogen sulfate, see Sulfaric acid     2.3 (2.1)     UN1653     POISON GAS, FLAMMABLE GAS     2     None     344     Not Accepted by FedEX Ground       Hydrogen sulfate     6.1     UN865     III     POISON GAS, FLAMMABLE GAS     2     None     344     Not Accepted by FedEX Ground       Hydrogen solution     6.1     UN865     III     POISON SAS, FLAMMABLE GAS     2     None     344     Not Accepted by FedEX Ground       Hydrogen solution     6.1     UN865     III     POISON SAS, FLAMMABLE GAS     153     213     Accepted by Wean package ander spale special perial of ACCEPTATA       Hydrogen solution     6.1     UN845     III     POISON SAS, FLAMMABLE GAS     153     203       Hydrogen solution     6.1     UN845     III     CORROSIVE     154     213		Hydrogen, refrigerated liquid (cryogenic liquid)	2.1	UN1966		FLAMMABLE GAS		None	316	Not Accepted by FedEx Ground
Hydrogen sulfate, see Sulfuric acid		Hydrogen selenide, anhydrous	2.3 (2.1)	UN2202		POISON GAS, FLAMMABLE GAS	1	None	192	Not Accepted by FedEx Ground
Hydroquinone, solid6.1UN2662IIPOISON**153213Accepted only when packaged under applich special permit or 49CFR 173.13Hydroquinone solution6.1UN345IIPOISON**153203Special permit or 49CFR 173.13Hydroxlic acid, see Fluorosilica acid6.1UN345IIPOISON**153203Special permit or 49CFR 173.13Hydroxlic acid, see Fluorosilica acidForbid-den6164154213Special permit or 49CFR 173.13Hydroxligatine cacid, see Fluorosilica acidForbid-den8UN3868IIICORROSIVE154213Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNU3213IICORROSIVE154213Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNU3213IICORROSIVE154213Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNU3213IICORROSIVEN34154203Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNu3213IICORROSIVEN34154203Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceForbid-denSulfaceSulfaceNa154203Special permit or 49CFR 173.13IgnitersLiftUN3213IICORROSIVE LIGNae62Not Accepted by FedEX GroundIgnitersLiftUN332IIEXPLOSIVE LIGNae62Not Accepted by FedEX Ground<		Hydrogen sulfate, see Sulfuric acid								
Hydroquinone, solid6.1UN2662IIPOISON**153213Accepted only when packaged under applich special permit or 49CFR 173.13Hydroquinone solution6.1UN345IIPOISON**153203Special permit or 49CFR 173.13Hydroxlic acid, see Fluorosilica acid6.1UN345IIPOISON**153203Special permit or 49CFR 173.13Hydroxlic acid, see Fluorosilica acidForbid-den6164154213Special permit or 49CFR 173.13Hydroxligatine cacid, see Fluorosilica acidForbid-den8UN3868IIICORROSIVE154213Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNU3213IICORROSIVE154213Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNU3213IICORROSIVE154213Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNU3213IICORROSIVEN34154203Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceNu3213IICORROSIVEN34154203Special permit or 49CFR 173.13Hypochlorite, solutionsSulfaceForbid-denSulfaceSulfaceNa154203Special permit or 49CFR 173.13IgnitersLiftUN3213IICORROSIVE LIGNae62Not Accepted by FedEX GroundIgnitersLiftUN332IIEXPLOSIVE LIGNae62Not Accepted by FedEX Ground<		Hydrogen sulfide	2.3 (2.1)	UN1053		POISON GAS, FLAMMABLE GAS	2	None	304	Not Accepted by FedEx Ground
Hydroxilicofluoric acid, see Fluorosilicic acid     Forbid-den     Forbid-den     Forbid-den       Hydroxyl amine toldde     8     UX2865     III     CORROSIVE     154     213       Hypochlorites, inorganic, n.o.s.     5.1     UX3212     II     OXIDIZER     152     212       Hypochlorites solutions     8     UX1791     II     CORROSIVE     N34     154     202       Hypochlorite solutions     8     UX1791     II     CORROSIVE     N34     154     202       Hypochlorite solutions     8     UX1791     II     CORROSIVE     N34     154     202       Hypochlorite solutions     8     UX1791     II     CORROSIVE     N34     154     203       Hypochlorite solutions     8     UX1791     II     CORROSIVE     N34     154     203       Igniter fize, metal clad, see Fuse, igniter, tubular, metal clad     -     -     -     -       Igniters     1.1G     UN0121     II     EXPLOSIVE 1.1G     None     62     Not Accepted by FedEx Ground       Igniters     1.1G     UN0315     II     EXPLOSIVE 1.3G     None     62     Not Accepted by FedEx Ground       Igniters     1.4G     UN0325     II     EXPLOSIVE 1.4G     None     62 <td></td> <td>Hydroquinone, solid</td> <td>6.1</td> <td>UN2662</td> <td>ш</td> <td>POISON**</td> <td></td> <td>153</td> <td>213</td> <td>Accepted only when packaged under applicable special permit or 49CFR 173.13</td>		Hydroquinone, solid	6.1	UN2662	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
Hydroxyl amine iodiide     Forhid-den     Forhid-den     Forhid-den     Forhid-den       Hydroxylamine sulfate     8     UN2865     III     CORROSIVE     154     213       Hypochlorite, singranic, no.s.     5.1     UN3212     II     OXIDIZER     152     212       Hypochlorite solutions     8     UN1791     II     CORROSIVE     N34     154     202       Hypochlorite solutions     8     UN1791     II     CORROSIVE     N34     154     202       Hypochlorite solutions     8     UN1791     II     CORROSIVE     N34     154     202       Hypochlorite solutions     8     UN1791     II     CORROSIVE     N34     154     203       Hypochlorite solutions     8     UN1791     II     CORROSIVE     N34     154     203       Hypochlorite solutions     8     UN1791     II     CORROSIVE     N34     154     203       Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad     146     UN0121     I     EXPLOSIVE 1.1G     None     62     Not Accepted by FedEX Ground       Igniters     1.2G     UN0315     II     EXPLOSIVE 1.4G     None     62     Not Accepted by FedEX Ground       Igniters     1.4G     UN0325			6.1	UN3435	ш	POISON**		153	203	
Hydroxylamine sulfate8UN2865IIICORROSIVE154213Hypochlorites, inorganic, n.o.s.5.1UN3212IIOXID/ZER152212Hypochlorite solutions8UN1791IICORROSIVEN34154203Hypochlorite solutions8UN1791IIICORROSIVEN34154203Hypochlorite solutions8UN1791IIICORROSIVEN34154203Hypochlorite solutions8UN1791IICORROSIVEN34154203Igniter fuse, metal clad, see Fuse, igniter, tubular, metal cladForbid-denForbid-denForbid-denForbid-denIgniters1.1GUN0121IIEXPLOSIVE 1.1GNone62Not Accepted by FedEx GroundIgniters1.2GUN0315IIEXPLOSIVE 1.3GNone62Not Accepted by FedEx GroundIgniters1.3GUN0315IIEXPLOSIVE 1.3GNone62Not Accepted by FedEx GroundIgniters1.4GUN0325IIEXPLOSIVE 1.4GNone62Not Accepted by FedEx Ground1gniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Packages may require an EX number marked shipping paper, (see 9CFR 173.56 and 49C (172.30)3'-Iminodipropylamine8UN2900IINECTIOUS SUBSTANCE154203172.30)GInfectious substances, affecting animals only6.2UN2900INFECTIOUS SUBSTANCE134196Not Accepte										
Description15.1UN3212IIOXIDIZER152212Hypochlorites solutions8UN1791IICORROSIVEN34154202Hypochlorite solutions8UN1791IICORROSIVEN34154202Hypochlorites solutions8UN1791IICORROSIVEN34154202Hypochlorites solutions8UN1791IIICORROSIVEN34154203Hypochlorites solutions8UN1791IIICORROSIVEN34154203Igniter fuse, metal clad, see Fuse, igniter, tubular, metal cladForbid-denICorrowIIIgniters1.1GUN0315IIEXPLOSIVE 1.1GNone62Not Accepted by FedEx GroundIgniters1.3GUN0315IIEXPLOSIVE 1.3GNone62Not Accepted by FedEx GroundIgniters1.4GUN0325IIEXPLOSIVE 1.4GNone62Not Accepted by FedEx GroundIgniters1.4GUN0325IIEXPLOSIVE 1.4GNone62Not Accepted by FedEx GroundIgniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Not Accepted by FedEx GroundIgniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Not Accepted by FedEx GroundIgniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Not Accepted by FedEx GroundIgniters1.4SUN0454IICORROSIVE15		Hydroxyl amine iodide	Forbid- den							
Image: Not accepted by FedEx Ground8UN1791IICORROSIVEN34154202Hypochlorite solutions8UN1791IIICORROSIVEN34154203Hypochlorite solutionsForbid-den		Hydroxylamine sulfate	8	UN2865	ш	CORROSIVE		154	213	
Hypothorite solutions       8       UN1791       II       CORROSIVE       N34       154       203         Hypothorite solutions       Forbid-den		Hypochlorites, inorganic, n.o.s.	5.1	UN3212	п	OXIDIZER		152	212	
Hyponitrous acid       Forbid-den       Forbid-			8	UN1791	П	CORROSIVE	N34	154	202	
Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad       Image: classical classica		Hypochlorite solutions	8	UN1791	III	CORROSIVE	N34	154	203	
Image: series of the series		Hyponitrous acid	Forbid- den							
Igniters1.2GUN0314IIEXPLOSIVE 1.2GNone62Not Accepted by FedEx GroundIgniters1.3GUN0315IIEXPLOSIVE 1.3GNone62Not Accepted by FedEx GroundIgniters1.4GUN0325IIEXPLOSIVE 1.4GNone62Not Accepted by FedEx GroundIgniters1.4GUN0325IIEXPLOSIVE 1.4GNone62Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.30)Jgniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.30)J,3'-Iminodipropylamine8UN0454IIEXPLOSIVE 1.4SPackages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.30)GInfectious substances, affecting animals only6.2UN2900INFECTIOUS SUBSTANCE134196Not Accepted by FedEx Ground Inflammable, see FlammableInflating explosives (dry)Forbid-den </td <td></td> <td>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad								
Igniters1.3GUN0315IIEXPLOSIVE 1.3GNone62Not Accepted by FedEx GroundIgniters1.4GUN0325IIEXPLOSIVE 1.4GNone62Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.320)Igniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 		Igniters	1.1G	UN0121	п	EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
B       Lag       UN0325       II       EXPLOSIVE 1.4G       None       62       Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.320)         Igniters       Igniters       1.4G       UN0325       II       EXPLOSIVE 1.4G       None       62       Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.320)         3,3'-Iminodipropylamine       1.4S       UN0454       II       EXPLOSIVE 1.4S       None       62       Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.320)         3,3'-Iminodipropylamine       8       UN2269       III       CORROSIVE       154       203         G       Infectious substances, affecting numans       6.2       UN2800       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         G       Infectious substances, affecting humans       6.2       UN2814       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         G       Infectious substances, affecting humans       6.2       UN2814       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         G       Infectious substances, affecting humans       6.2       UN2814       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground		Igniters	1.2G	UN0314	Π	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
Igniters1.4GUN0325IIEXPLOSIVE 1.4GNone62shipping paper. (see 49CFR 173.56 and 49C 172.320)IgnitersIgniters1.4SUN0454IIEXPLOSIVE 1.4SNone62Packages may require an EX number marked shipping paper. (see 49CFR 173.56 and 49C 172.320)Igniters3.3'-Iminodipropylamine8UN0454IICORROSIVE154203Infectious substances, affecting animals only6.2UN2269IICORROSIVE134196Not Accepted by FedEx GroundInfectious substances, affecting humans6.2UN2814IINFECTIOUS SUBSTANCE134196Not Accepted by FedEx GroundInflammable, see FlammableForbid-denIIImage: Constant and the set of the set o		Igniters	1.3G	UN0315	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
Igniters       Instituting explosives (dry)       Instituting		Igniters	1.4G	UN0325	п	EXPLOSIVE 1.4G		None	62	
G       Infectious substances, affecting animals only       6.2       UN2900       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         G       Infectious substances, affecting humans       6.2       UN2814       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         Inflammable, see Flammable       6.2       UN2814       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         Inflating explosives (dry)       Forbid- den       Image: Construct (dry)       Forbid- den       Image: Construct (dry)       Image: Construct (dry)       Forbid- den       Image: Construct (dry)       Image: Construct (dry) <td></td> <td>Igniters</td> <td>1.48</td> <td>UN0454</td> <td>п</td> <td>EXPLOSIVE 1.4S</td> <td></td> <td>None</td> <td>62</td> <td>Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)</td>		Igniters	1.48	UN0454	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G       Infectious substances, affecting humans       6.2       UN2814       INFECTIOUS SUBSTANCE       134       196       Not Accepted by FedEx Ground         inflammable, see Flammable       inflammable, see Flammable       inflammable       inflamm			8	UN2269	ш	CORROSIVE		154	203	
Inflammable, see Flammable       Initiating explosives (dry)       Forbid- den       Image: Constraint (dry)	G	Infectious substances, affecting animals only	6.2	UN2900		INFECTIOUS SUBSTANCE		134	196	Not Accepted by FedEx Ground
Initiating explosives (dry)       Forbid- den       Image: Comparison of the second dependence of	G		6.2	UN2814		INFECTIOUS SUBSTANCE		134	196	Not Accepted by FedEx Ground
Inositol hexanitrate (dry) Forbid- den										
			Forbid- den							
G Insecticide gases, n.o.s. 2.2 UN1968 NONFLAMMABLE GAS 306 304			Forbid- den							
	G	Insecticide gases, n.o.s.	2.2	UN1968		NONFLAMMABLE GAS		306	304	
G     Insecticide gases, flammable, n.o.s.     2.1     UN3354     FLAMMABLE GAS     306     304	G			UN3354		FLAMMABLE GAS		306	304	
G Insecticide gases, toxic, flammable, n.o.s. Inhalation Hazard Zone A 2.3 (2.1) UN3355 POISON GAS, FLAMMABLE GAS 1 None 192 Not Accepted by FedEx Ground	G	Insecticide gases, toxic, flammable, n.o.s. Inhalation Hazard Zone A	2.3 (2.1)	UN3355		POISON GAS, FLAMMABLE GAS	1	None	192	Not Accepted by FedEx Ground

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Insecticide gases, toxic, flammable, n.o.s. Inhalation Hazard Zone B	2.3 (2.1)	UN3355		POISON GAS, FLAMMABLE GAS	2	None	302305	Not Accepted by FedEx Ground
G	Insecticide gases, toxic, flammable, n.o.s. Inhalation Hazard Zone C	2.3 (2.1)	UN3355		POISON GAS, FLAMMABLE GAS	3	None	302305	Not Accepted by FedEx Ground
G	Insecticide gases, toxic, flammable, n.o.s. Inhalation Hazard Zone D	2.3 (2.1)	UN3355		POISON GAS, FLAMMABLE GAS	4	None	302305	Not Accepted by FedEx Ground
G	Insecticide gases, toxic, n.o.s.	2.3	UN1967		POISON GAS	3	None	193, 334	Not Accepted by FedEx Ground
	Inulin trinitrate (dry)	Forbid- den							
	Iodine azide (dry)	Forbid- den							
	Iodine monochloride	8	UN1792	П	CORROSIVE	N41	None	212	
	Iodine pentafluoride	5.1 (6.1, 8)	UN2495	I	OXIDIZER, POISON, CORROSIVE**		None	205	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Iodobutane	3	UN2390	п	FLAMMABLE LIQUID		150	202	
	Iodomethylpropanes	3	UN2391	п	FLAMMABLE LIQUID		150	202	
	Iodopropanes	3	UN2392	Ш	FLAMMABLE LIQUID		150	203	
	Iodoxy compounds (dry)	Forbid- den							
	Iridium nitratopentamine iridium nitrate	Forbid- den							
	Iron chloride, see Ferric chloride								
	<b>Iron oxide, spent</b> , or <b>Iron sponge, spent</b> obtained from coal gas purification	4.2	UN1376	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Iron pentacarbonyl	6.1 (3)	UN1994	Ι	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground
	Iron sesquichloride, see Ferric chloride								
	Irritating material, see Tear gas substances, etc.								
	Isobutane see also Petroleum gases, liquefied	2.1	UN1969		FLAMMABLE GAS	19	306	304	
	Isobutanol or Isobutyl alcohol	3	UN1212	Ш	FLAMMABLE LIQUID		150	203	
	Isobutyl acetate	3	UN1213	П	FLAMMABLE LIQUID		150	202	
	Isobutyl acrylate, stabilized	3	UN2527	ш	FLAMMABLE LIQUID		150	203	
	Isobutyl alcohol, see Isobutanol								
	Isobutyl aldehyde, see Isobutyraldehyde								
	Isobutylamine	3 (8)	UN1214	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
D	Isobutyl chloroformate	6.1 (3, 8)	NA2742	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
	Isobutylene see also Petroleum gases, liquefied	2.1	UN1055		FLAMMABLE GAS	19	306	304	
	Isobutyl formate	3	UN2393	П	FLAMMABLE LIQUID		150	202	
	Isobutyl isobutyrate	3	UN2528	Ш			150	203	
+	Isobutyl isocyanate	3 (6.1)	UN2486	Ι	FLAMMABLE LIQUID, POISON	1	None	226	Not Accepted by FedEx Ground
	Isobutyl methacrylate, stabilized	3	UN2283	ш	FLAMMABLE LIQUID		150	203	
	Isobutyl propionate	3	UN2394	ш			150	203	
	Isobutyraldehyde or Isobutyl aldehyde	3	UN2045	П	FLAMMABLE LIQUID		150	202	
	Isobutyric acid	3 (8)	UN2529	Ш	FLAMMABLE LIQUID, CORROSIVE		150	203	Accorded as how has a set of the training
	Isobutyronitrile	3 (6.1)	UN2284	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Isobutyryl chloride	3 (8)	UN2395	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
G	<b>Isocyanates, flammable, toxic, n.o.s.</b> <i>or</i> <b>Isocyanate solutions,</b> <b>flammable, toxic, n.o.s.</b> <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN2478	п	FLAMMABLE LIQUID, POISON**	5	150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Isocyanates, flammable, toxic, n.o.s. or Isocyanate solutions, flammable, toxic, n.o.s. flashpoint less than 23 degrees C	3 (6.1)	UN2478	ш	FLAMMABLE LIQUID, POISON**	5	150	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	<b>Isocyanates, toxic, flammable, n.o.s.</b> or <b>Isocyanate solutions, toxic,</b> <b>flammable, n.o.s.</b> , <i>flashpoint not less than 23 degrees C but not more than</i> <i>61 degrees C and boiling point less than 300 degrees C</i>	6.1 (3)	UN3080	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

Sym- bols						Packaging (§173.***)					
(1)	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions		
	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)		
	socyanates, toxic, n.o.s. or Isocyanate, solutions, toxic, n.o.s., lashpoint more than 61 degrees C and boiling point less than 300 degrees	6.1	UN2206	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13		
	socyanates, toxic, n.o.s. or Isocyanate, solutions, toxic, n.o.s., lashpoint more than 61 degrees C and boiling point less than 300 degrees	6.1	UN2206	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13		
If	socyanatobenzotrifluorides	6.1 (3)	UN2285	п	POISON, FLAMMABLE LIQUID**	5	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13		
Is	soheptenes	3	UN2287	П	FLAMMABLE LIQUID		150	202			
If	sohexenes	3	UN2288	П	FLAMMABLE LIQUID		150	202			
Is	sooctane, see Octanes										
Is	sooctenes	3	UN1216	П	FLAMMABLE LIQUID		150	202			
Is	sopentane, see Pentane										
Is	sopentanoic acid, see Corrosive liquids, n.o.s.										
	sopentenes	3	UN2371	Ι	FLAMMABLE LIQUID		150	201			
Is	sophoronediamine	8	UN2289	ш	CORROSIVE		154	203			
	sophorone diisocyanate	6.1	UN2290	ш			153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13		
	soprene, stabilized	3	UN1218	Ι			150	201			
	sopropanol or Isopropyl alcohol	3	UN1219	П	· · · · · · · · · · · · · · · · · · ·		150	202			
	sopropenyl acetate	3	UN2403	П	FLAMMABLE LIQUID		150	202			
	sopropenylbenzene	3	UN2303	ш	<b>C</b> <sup>-</sup>		150	203			
I.	sopropyl 2-chloropropionate	3	UN2934	Ш	FLAMMABLE LIQUID		150	203			
Is	sopropyl acetate	3	UN1220	П	FLAMMABLE LIQUID		150	202			
	sopropyl acid phosphate	8	UN1793	III	CORROSIVE		154	213			
Is	sopropyl alcohol, see Isopropanol										
	sopropylamine	3 (8)	UN1221	Ι	FLAMMABLE LIQUID, CORROSIVE		None	201			
	sopropylbenzene	3	UN1918	Ш	S -		150	203			
	sopropyl butyrate	3	UN2405	Ш			150	203			
Is	sopropyl chloroacetate	3	UN2947	ш	FLAMMABLE LIQUID		150	203			
I:	sopropyl chloroformate	6.1 (3, 8)	UN2407	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2	None	227	Not Accepted by FedEx Ground		
Is	sopropylcumyl hydroperoxide, with more than 72 percent in solution	Forbid- den									
	sopropyl isobutyrate	3	UN2406	П	FLAMMABLE LIQUID		150	202			
	sopropyl isocyanate	3 (6.1)	UN2483	Ι	FLAMMABLE LIQUID, POISON	1	None	226	Not Accepted by FedEx Ground		
	sopropyl mercaptan, see Propanethiols										
	sopropyl nitrate	3	UN1222	Π	FLAMMABLE LIQUID		150	202			
	sopropyl phosphoric acid, see Isopropyl acid phosphate										
	sopropyl propionate	3	UN2409	П	· · · · · · · · · · · · · · · · · · ·		150	202			
	sosorbide-5-mononitrate	4.1	UN3251	Ш	FLAMMABLE SOLID	66	151	213			
	sosorbide dinitrate mixture with not less than 60 percent lactose, nannose, starch or calcium hydrogen phosphate	4.1	UN2907	п	FLAMMABLE SOLID	N85	None	212			
	sothiocyanic acid	Forbid- den									
	let fuel, see Fuel aviation, turbine engine										
D J	let perforating guns, charged oil well, with detonator	1.1D	NA0124	п	EXPLOSIVE 1.1D	55,56	None	62	Not Accepted by FedEx Ground		

DJet perforating guns, charged oil well, with detonator1.4DNA0494IIEXPLOSIVE 1.4D55.56None62shipping paper. (see 490 172.)Jet perforating guns, charged oil well, without detonator1.1DUN0124IIEXPLOSIVE 1.1D55None62Not Accepted byJet perforating guns, charged oil well, without detonator1.4DUN0494IIEXPLOSIVE 1.4D55None62Not Accepted byJet perforating guns, charged oil well, without detonator1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require an 1Jet perforators, see Charges, shaped, etc.1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require an 1Jet tappers, without detonator, see Charges, shaped, etc.1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require an 1Jet tappers, without detonator, see Charges, shaped, etc.1.4DUN0494IIEXPLOSIVE 1.4D1.4D1.4D1.72.Jet thrust igniters, for rocket motors or Jato, see Igniters1.4D1.4D1.4D1.4D1.4D1.4D1.4D1.4DJet thrust unit (Jato), see Rocket motors3UN123IIFLAMMABLE LIQUID1.441.502.031.4DGKetones, liquid, n.o.s.3UN1224IFLAMMABLE LIQUIDNone2011.4D	) EX number marked on the CFR 173.56 and 49CFR 320) Y FedEx Ground EX number marked on the CFR 173.56 and 49CFR
D       Jet perforating guns, charged oil well, with detonator       1.4D       NA0494       II       EXPLOSIVE 1.4D       55,56       None       62       Packages may require and shipping paper. (see 490 172         Jet perforating guns, charged oil well, without detonator       1.1D       UN0124       II       EXPLOSIVE 1.1D       55       None       62       Not Accepted by 172         Jet perforating guns, charged oil well, without detonator       1.4D       UN0124       II       EXPLOSIVE 1.4D       55       None       62       Not Accepted by 172         Jet perforating guns, charged oil well, without detonator       1.4D       UN0494       II       EXPLOSIVE 1.4D       55,114       None       62       Not Accepted by 172         Jet perforators, see Charges, shaped, etc.       1.4D       UN0494       II       EXPLOSIVE 1.4D       55,114       None       62       Packages may require and shipping paper. (see 490 172         Jet perforators, see Charges, shaped, etc.       1.4D       UN0494       II       EXPLOSIVE 1.4D       55,114       None       62       Packages may require and shipping paper. (see 490 172         Jet tappers, without detonator, see Charges, shaped, etc.       1.4D       1.4D       1.4D       1.4D       1.4D       1.4D       1.4D       1.4D       1.4D       1.4D<	EX number marked on the CFR 173.56 and 49CFR 320) Y FedEx Ground EX number marked on the CFR 173.56 and 49CFR
DJet perforating guns, charged oil well, with detonator1.4DNA0494IIEXPLOSIVE 1.4D55.56None62shipping paper. (see 490 172.)Jet perforating guns, charged oil well, without detonator1.1DUN0124IIEXPLOSIVE 1.1D55None62Not Accepted by shipping paper. (see 490 172.)Jet perforating guns, charged oil well, without detonator1.4DUN0494IIEXPLOSIVE 1.4D55None62Not Accepted by shipping paper. (see 490 shipping paper. (see 490 172.)Jet perforating guns, charged oil well, without detonator1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require an 1 shipping paper. (see 490 172.)Jet perforators, see Charges, shaped, etc.1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require an 1 shipping paper. (see 490 172.)Jet tappers, without detonator, see Charges, shaped, etc.1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require an 1 shipping paper. (see 490 172.)Jet thrust igniters, for rocket motors or Jato, see Igniters1.4D1.4D1.4D1.4D1.4D1.4D1.4DJet thrust unit (Jato), see Rocket motors1.4D1.4D1.4D1.4D1.4D1.4D1.4DKerosene3UN1223IIIFLAMMABLE LIQUID1.441.502.031.4DGKetones, liquid, n.o.s.3UN1224IFLAMMABLE LIQUIDNone	CFR 173.56 and 49CFR 320) <sup>4</sup> FedEx Ground EX number marked on the CFR 173.56 and 49CFR
Jet perforating guns, charged oil well, without detonator1.4DUN0494IIEXPLOSIVE 1.4D55,114None62Packages may require and shipping paper. (see 490 172.)Jet perforators, seeCharges, shaped, etc.IIIIEXPLOSIVE 1.4D55,114None62Packages may require and shipping paper. (see 490 172.)Jet tappers, without detonator, seeCharges, shaped, etc.III	EX number marked on the CFR 173.56 and 49CFR
Jet perforating guns, charged oil well, without detonator1.4DUN0494IIEXPLOSIVE 1.4D55,114None62shipping paper. (see 490 (72.)Jet perforators, see Charges, shaped, etc.Image: Charges, shape	CFR 173.56 and 49CFR
Jet tappers, without detonator, seeCharges, shaped, etc.Image: Charges, shaped, etc.Image: Charges, shaped, etc.Jet thrust igniters, for rocket motors or Jato, seeIgnitersImage: Charges, shaped, etc.Image: Charges, shaped, etc.Jet thrust unit (Jato), seeRocket motorsImage: Charges, shaped, etc.Image: Charges, shaped, etc.Image: Charges, shaped, etc.Jet thrust unit (Jato), seeRocket motorsImage: Charges, shaped, etc.Image: Charges, shaped, etc.Image: Charges, shaped, etc.Kerosene3UN1223IIIFLAMMABLE LIQUIDImage: Charges, shaped, etc.Image: Charges, shaped, etc.GKetones, liquid, n.o.s.3UN1224IFLAMMABLE LIQUIDNone201	
Jet thrust igniters, for rocket motors or Jato, seeIgnitersImage: See Section of Sectin	
Jet thrust unit (Jato), see Rocket motorsImage: Construction of the second	
Kerosene3UN1223IIIFLAMMABLE LIQUID144150203GKetones, liquid, n.o.s.3UN1224IFLAMMABLE LIQUIDNone201	
G Ketones, liquid, n.o.s. 3 UN1224 I FLAMMABLE LIQUID None 201	
G       Ketones, liquid, n.o.s.       3       UN1224       II       FLAMMABLE LIQUID       150       202         G       Ketones, liquid, n.o.s.       3       UN1224       III       FLAMMABLE LIQUID       150       203	
GKetones, liquid, n.o.s.3UN1224IIIFLAMMABLE LIQUID150203Krypton, compressed2.2UN1056NONFLAMMABLE GAS306302	
Krypton, compressed     2.2     UN1050     NONELAMMABLE GAS     300     302       Krypton, refrigerated liquid (cryogenic liquid)     2.2     UN1970     NONELAMMABLE GAS     320     None     Accepted only when packa	ged under 49CFR 173.320
Lacquer base or lacquer chips, nitrocellulose, dry, see Nitrocellulose, etc. (UN 2557)	
Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN 2059, UN 2555, UN 2556, UN2557) or Paint etc. (UN 1263)	
Lead acetate       6.1       UN1616       III       POISON**       153       213       Accepted only when pace special permit or 49CFR 1' (4.54kg) per packate	73.13. Not to exceed 10 lb.
Lead arsenates 6.1 UN1617 II POISON** 153 212 Accepted only when pact special permit or 49CFR 1 (0.454kg) per pack	73.13. Not to exceed 1 lb.
Lead arsenites     6.1     UN1618     II     POISON**     153     212     Accepted only when pace special permit of special permits	
Lead azide (dry)     Forbid- den	
Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass       1.1A       UN0129       II       EXPLOSIVE 1.1A       111, 117       None       62       Not Accepted by	
Lead compounds, soluble, n.o.s. 6.1 UN2291 III POISON^^ 138 153 213 special permit o	
Lead cyanide     6.1     UN1620     II     POISON**     153     212     Accepted only when pace special permit of special permits of s	
Lead dioxide     5.1     UN1872     III     OXIDIZER     152     213	
Lead dross, see Lead sulfate, with more than 3 percent free acid	
Lead nitrate 5.1 (6.1) UN1469 II OXIDIZER, POISON** 152 212 Accepted only when pact special permit or 49CFR 1 (4.54kg) per pack	73.13. Not to exceed 10 lb.
Lead nitroresorcinate (dry)     Forbid- den	
Lead perchiorate, solid S.1 (6.1) UN1470 II OXIDIZER, POISON*** 152 212 special permit o	
Lead perchlorate, solution     5.1 (6.1)     UN1470     II     OXIDIZER, POISON**     152     202     Accepted only when pace special permit of special permits of special p	
Lead peroxide, see Lead dioxide	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Lead phosphite, dibasic	4.1	UN2989	Π	FLAMMABLE SOLID		None	212	
	Lead phosphite, dibasic	4.1	UN2989	Ш	FLAMMABLE SOLID		151	213	
	Lead picrate (dry)	Forbid- den							
	Lead styphnate (dry)	Forbid- den							
	Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	1.1A	UN0130	п	EXPLOSIVE 1.1A	111, 117	None	62	Not Accepted by FedEx Ground
	Lead sulfate with more than 3 percent free acid	8	UN1794	п	CORROSIVE**		154	212	Not to exceed 10 lb. (4.54kg) per package- <i>see RQ</i> Table
	Lead trinitroresorcinate, see Lead styphnate, etc.								
	Life-saving appliances, not self inflating containing dangerous goods as equipment	9	UN3072		NONE		None	219	No packing group required
	Life-saving appliances, self inflating	9	UN2990		NONE		None	219	No packing group required
	Lighter replacement cartridges containing liquefied petroleum gases (and similar devices, each not exceeding 65 grams), see Lighters or lighter refills etc. containing flammable gas								
	Lighters, fuse	1.45	UN0131	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Lighters or Lighter refills containing flammable gas	2.1	UN1057		FLAMMABLE GAS	N10	None	21,308	"T" number required for shipment. Please see Special Provision N10
	Lime, unslaked, see Calcium oxide								
G	Liquefied gas, flammable, n.o.s.	2.1	UN3161		FLAMMABLE GAS		306	304	
G	Liquefied gas, n.o.s.	2.2	UN3163		NONFLAMMABLE GAS		306	304	
G G,I	Liquefied gas, oxidizing, n.o.s. Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.2 (5.1) 2.3 (8)	UN3157 UN3308		NONFLAMMABLE GAS, OXIDIZER POISON GAS, CORROSIVE	1	306 None	304 192	Not Accepted by FedEx Ground
G,I G,I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3 (8)	UN3308 UN3308		POISON GAS, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
G,I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3 (8)	UN3308		POISON GAS, CORROSIVE POISON GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
G,I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3 (8)	UN3308		POISON GAS, CORROSIVE	4	None	304	Not Accepted by FedEx Ground
G,I	<b>Liquefied gas, toxic, flammable, corrosive, n.o.s.</b> Inhalation Hazard Zone A	2.3 (2.1, 8)	UN3309		POISON GAS, FLAMMABLE GAS, CORROSIVE	1	None	192	Not Accepted by FedEx Ground
G,I	<b>Liquefied gas, toxic, flammable, corrosive, n.o.s.</b> Inhalation Hazard Zone B	2.3 (2.1, 8)	UN3309		POISON GAS, FLAMMABLE GAS, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
G,I	Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone C	2.3 (2.1, 8)	UN3309		POISON GAS, FLAMMABLE GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
G,I	Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone D	2.3 (2.1, 8)	UN3309		POISON GAS, FLAMMABLE GAS, CORROSIVE	4	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone A	2.3 (2.1)	UN3160		POISON GAS, FLAMMABLE GAS	1	None	192	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone B	2.3 (2.1)	UN3160		POISON GAS, FLAMMABLE GAS	2	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone C	2.3 (2.1)	UN3160		POISON GAS, FLAMMABLE GAS	3	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone D	2.3 (2.1)	UN3160		POISON GAS, FLAMMABLE GAS	4	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone A	2.3	UN3162		POISON GAS	1	None	192	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone B	2.3	UN3162		POISON GAS	2	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone C Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone D	2.3	UN3162		POISON GAS	3	None	304	Not Accepted by FedEx Ground
G G,I	Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone D Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone	2.3 2.3 (5.1, 8)	UN3162 UN3310		POISON GAS POISON GAS, OXIDIZER, CORROSIVE	4	None None	304 192	Not Accepted by FedEx Ground Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G,I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone B	2.3 (5.1, 8)	UN3310		POISON GAS, OXIDIZER, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
G,I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone	2.3 (5.1, 8)	UN3310		POISON GAS, OXIDIZER, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
G,I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone	2.3 (5.1, 8)	UN3310		POISON GAS, OXIDIZER, CORROSIVE	4	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone A	2.3 (5.1)	UN3307		POISON GAS, OXIDIZER	1	None	192	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone B	2.3 (5.1)	UN3307		POISON GAS, OXIDIZER	2	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone C	2.3 (5.1)	UN3307		POISON GAS, OXIDIZER	3	None	304	Not Accepted by FedEx Ground
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone D	2.3 (5.1)	UN3307		POISON GAS, OXIDIZER	4	None	304	Not Accepted by FedEx Ground
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s.								
	Liquefied natural gas, see Methane, etc. (UN 1972)								
	Liquefied petroleum gas see Petroleum gases, liquefied								
	Lithium	4.3	UN1415	I	DANGEROUS WHEN WET**	N45	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Lithium acetylide ethylenediamine complex, see Water reactive solid etc.								
	Lithium alkyls, liquid	4.2 (4.3)	UN2445	I	SPONTANEOUSLY COMBUSTIBLE, DANGEROUS WHEN WET	173	None	181	Not Accepted by FedEx Ground
	Lithium alkyls, solid	4.2 (4.3)	UN2445	Ι	SPONTANEOUSLY COMBUSTIBLE, DANGEROUS WHEN WET	173	None	181	Not Accepted by FedEx Ground
	Lithium aluminum hydride	4.3	UN1410	Ι	DANGEROUS WHEN WET**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Lithium aluminum hydride, ethereal	4.3	UN1411	I	DANGEROUS WHEN WET, FLAMMABLE LIQUID**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Lithium batteries, contained in equipment	9	UN3091	Π	CLASS 9	29	185	185	
	Lithium batteries, packed with equipment	9	UN3091	П	CLASS 9	29	185	185	
	Lithium battery	9	UN3090	Π	CLASS 9	29	185	185	
	Lithium borohydride	4.3	UN1413	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Lithium ferrosilicon	4.3	UN2830	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Lithium hydride	4.3	UN1414	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Lithium hydride, fused solid	4.3	UN2805	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Lithium hydroxide	8	UN2680	п	CORROSIVE		154	212	
	Lithium hydroxide, solution	8	UN2679	Π	CORROSIVE		154	202	
	Lithium hydroxide, solution	8	UN2679	ш	CORROSIVE		154	203	
	Lithium hypochlorite, dry with more than 39% available chlorine (8.8% available oxygen) or Lithium hypochlorite mixtures, dry with more than 39% available chlorine (8.8% available oxygen)	5.1	UN1471	п	OXIDIZER	N34	152	212	
	Lithium in cartridges, see Lithium								
	Lithium nitrate	5.1	UN2722	ш	OXIDIZER		152	213	
	Lithium nitride	4.3	UN2806	Ι	DANGEROUS WHEN WET**	N40	None	211	
	Lithium peroxide	5.1	UN1472	П	OXIDIZER	N34	152	212	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Lithium silicon	4.3	UN1417	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	LNG, see Methane etc. (UN 1972)								
	London purple	6.1	UN1621	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	LPG, see Petroleum gases, liquefied								
	Lye, see Sodium hydroxide, solutions								
	Magnesium alkyls	4.2 (4.3)	UN3053	I	SPONTANEOUSLY COMBUSTIBLE, DANGEROUS WHEN WET		None	181	Not Accepted by FedEx Ground
	Magnesium aluminum phosphide	4.3 (6.1)	UN1419	I	DANGEROUS WHEN WET, POISON**	N34, N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Magnesium arsenate	6.1	UN1622	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.								
	Magnesium bromate	5.1	UN1473	Π	OXIDIZER		152	212	
	Magnesium chlorate	5.1	UN2723	Π	OXIDIZER		152	212	
	Magnesium diamide	4.2	UN2004	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Magnesium diphenyl	4.2	UN2005	Ι	SPONTANEOUSLY COMBUSTIBLE	173	None	187	Not Accepted by FedEx Ground
	Magnesium dross, wet or hot	Forbid- den							
	Magnesium fluorosilicate	6.1	UN2853	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Magnesium granules, coated particle size not less than 149 microns	4.3	UN2950	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Magnesium hydride	4.3	UN2010	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Magnesium nitrate	5.1	UN1474	Ш	OXIDIZER		152	213	
	<b>Magnesium</b> or <b>Magnesium alloys</b> with more than 50 perscent magnesium in pellets, turning or ribbon	4.1	UN1869	ш	FLAMMABLE SOLID		151	213	
	Magnesium perchlorate	5.1	UN1475	Π	OXIDIZER		152	212	
	Magnesium peroxide	5.1	UN1476	п	OXIDIZER		152	212	
	Magnesium phosphide	4.3 (6.1)	UN2011	I	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Magnesium, powder or Magnesium alloys, powder	4.3 (4.2)	UN1418	I	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
	Magnesium, powder or Magnesium alloys, powder	4.3 (4.2)	UN1418	п	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Magnesium, powder or Magnesium alloys, powder	4.3 (4.2)	UN1418	ш	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Magnesium scrap, see Magnesium, etc. (UN 1869)								
	Magnesium silicide	4.3	UN2624	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Magnetized material, see section 173.21								
	Maleic anhydride	8	UN2215	ш	CORROSIVE		154	213	
	Malononitrile	6.1	UN2647	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mancozeb (manganese ethylenebisdithiocarbamate complex with zinc) see Maneb								

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Maneb or Maneb preparations with not less than 60 percent maneb	4.2 (4.3)	UN2210	ш	SPONTANEOUSLY COMBUSTIBLE, DANGEROUS WHEN WET	57	None	213	
	Maneb stabilized or Maneb preparations, stabilized against self- heating	4.3	UN2968	ш	DANGEROUS WHEN WET**	54	151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Manganese nitrate	5.1	UN2724	Ш	OXIDIZER		152	213	
	Manganese resinate	4.1	UN1330	ш	FLAMMABLE SOLID		151	213	
	Mannitan tetranitrate	Forbid- den							
	Mannitol hexanitrate (dry)	Forbid- den							
	Mannitol hexanitrate, wetted or Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass	1.1D	UN0133	п	EXPLOSIVE 1.1D	121	None	62	Not Accepted by FedEx Ground
	Marine pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s.								
	Matches, block, see Matches, 'strike anywhere'								
	Matches, fusee	4.1	UN2254	ш	FLAMMABLE SOLID		186	186	
	Matches, safety (book, card or strike on box)	4.1	UN1944	Ш	FLAMMABLE SOLID		186	186	May not be regulated via highway
	Matches, strike anywhere	4.1	UN1331	ш	FLAMMABLE SOLID		186	186	
	Matches, wax, Vesta	4.1	UN1945	ш	FLAMMABLE SOLID		186	186	May not be regulated via highway
	Matting acid, see Sulfuric acid								
	Medicine, liquid, flammable, toxic, n.o.s.	3 (6.1)	UN3248	п	FLAMMABLE LIQUID, POISON**	36	150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Medicine, liquid, flammable, toxic, n.o.s.	3 (6.1)	UN3248	ш	FLAMMABLE LIQUID, POISON**	36	150	203	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Medicine, liquid, toxic, n.o.s.	6.1	UN1851	п	POISON**	36	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Medicine, liquid, toxic, n.o.s.	6.1	UN1851	ш	POISON**	36	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Medicine, solid, toxic, n.o.s.	6.1	UN3249	п	POISON**	36	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Medicine, solid, toxic, n.o.s.	6.1	UN3249	ш	POISON**	36	153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Memtetrahydrophthalic anhydride, see Corrosive liquids, n.o.s.								
	Mercaptans, liquid, flammable, n.o.s. <i>or</i> Mercaptan mixtures, liquid, flammable, n.o.s.	3	UN3336	I	FLAMMABLE LIQUID		150	201	
	Mercaptans, liquid, flammable, n.o.s. <i>or</i> Mercaptan mixtures, liquid, flammable, n.o.s.	3	UN3336	п	FLAMMABLE LIQUID		150	202	
	Mercaptans, liquid, flammable, n.o.s. <i>or</i> Mercaptan mixtures, liquid, flammable, n.o.s.	3	UN3336	ш	FLAMMABLE LIQUID		150	203	
	Mercaptans, liquid, flammable, toxic, n.o.s. <i>or</i> Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3 (6.1)	UN1228	п	FLAMMABLE LIQUID, POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercaptans, liquid, flammable, toxic, n.o.s. <i>or</i> Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3 (6.1)	UN1228	ш	FLAMMABLE LIQUID, POISON**		150	203	Accepted only when packaged under applicable special permit, 49CFR 173.13
	<b>Mercaptans, liquid, toxic, flammable, n.o.s.</b> or <b>Mercaptan mixtures,</b> <b>liquid, toxic, flammable, n.o.s.</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3071	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	5-Mercaptotetrazol-1-acetic acid	1.4C	UN0448	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Mercuric arsenate	6.1	UN1623	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercuric chloride	6.1	UN1624	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Mercuric compounds, see Mercury compounds, etc.								
	Mercuric nitrate	6.1	UN1625	п	POISON**	N73	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
+	Mercuric potassium cyanide	6.1	UN1626	I	POISON**	N74, N75	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercuric sulfocyanate, see Mercury thiocyanate								
	Mercurol, see Mercury nucleate								
	Mercurous azide	Forbid- den							
	Mercurous compounds, see Mercury compounds, etc. Mercurous nitrate	6.1	UN1627	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
AW	Mercury	8	UN2809	ш	CORROSIVE		164	164	May not be regulated via highway. Not accepted if package exceeds 1 lb. (0.454kg) of Mercury- see RQ Table
	Mercury acetate	6.1	UN1629	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury acetylide	Forbid- den							
	Mercury ammonium chloride	6.1	UN1630	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Mercury based pesticides, liquid, flammable, toxic,</b> <i>flash point less than</i> 23 degrees C	3 (6.1)	UN2778	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Mercury based pesticides, liquid, flammable, toxic,</b> <i>flash point less than</i> 23 degrees C	3 (6.1)	UN2778	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury based pesticides, liquid, toxic	6.1	UN3012	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury based pesticides, liquid, toxic	6.1	UN3012	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury based pesticides, liquid, toxic	6.1	UN3012	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Mercury based pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3011	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Mercury based pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3011	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Mercury based pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3011	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury based pesticides, solid, toxic	6.1	UN2777	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury based pesticides, solid, toxic	6.1	UN2777	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury based pesticides, solid, toxic	6.1	UN2777	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury benzoate	6.1	UN1631	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury bromides	6.1	UN1634	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury compounds, liquid, n.o.s.	6.1	UN2024	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury compounds, liquid, n.o.s.	6.1	UN2024	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Mercury compounds, liquid, n.o.s.	6.1	UN2024	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury compounds, solid, n.o.s.	6.1	UN2025	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury compounds, solid, n.o.s.	6.1	UN2025	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury compounds, solid, n.o.s.	6.1	UN2025	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
А	Mercury contained in manufactured articles	8	UN2809	ш	CORROSIVE		None	164	May not be regulated via highway. Not accepted if package exceeds 1 lb. (0.454kg) of Mercury- see RQ Table
	Mercury cyanide	6.1	UN1636	п	POISON**	N74,N75	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass	1.1A	UN0135	п	EXPLOSIVE 1.1A	111, 117	None	62	Not Accepted by FedEx Ground
	Mercury gluconate	6.1	UN1637	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury iodide	6.1	UN1638	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury iodide aquabasic ammonobasic (Iodide of Millon's base)	Forbid- den							
	Mercury nitride	Forbid- den							
	Mercury nucleate	6.1	UN1639	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury oleate	6.1	UN1640	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury oxide	6.1	UN1641	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury oxycyanide	Forbid- den							
	Mercury oxycyanide, desensitized	6.1	UN1642	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury potassium iodide	6.1	UN1643	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury salicylate	6.1	UN1644	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Mercury sulfates	6.1	UN1645	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Mercury thiocyanate	6.1	UN1646	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Mesityl oxide	3	UN1229	Ш	FLAMMABLE LIQUID		150	203	
G	Metal carbonyls, liquid, n.o.s.	6.1	UN3281	I	POISON**	5	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Metal carbonyls, liquid, n.o.s.	6.1	UN3281	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Metal carbonyls, liquid, n.o.s.	6.1	UN3281	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Metal carbonyls, solid, n.o.s.	6.1	UN3466	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Metal carbonyls, solid, n.o.s.	6.1	UN3466	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Metal carbonyls, solid, n.o.s.	6.1	UN3466	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Metal catalyst, dry	4.2	UN2881	Ι	SPONTANEOUSLY COMBUSTIBLE	N34	None	187	Not Accepted by FedEx Ground
	Metal catalyst, dry	4.2	UN2881	п	SPONTANEOUSLY COMBUSTIBLE	N34	None	187	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Metal catalyst, dry	4.2	UN2881	III	SPONTANEOUSLY COMBUSTIBLE	N34	None	187	Not Accepted by FedEx Ground
	Metal catalyst, wetted with a visible excess of liquid	4.2	UN1378	Π	SPONTANEOUSLY COMBUSTIBLE	N34	None	212	Not Accepted by FedEx Ground
	Metaldehyde	4.1	UN1332	Ш	FLAMMABLE SOLID		151	213	
	Metal hydrides, flammable, n.o.s.	4.1	UN3182	Π	FLAMMABLE SOLID		151	212	
	Metal hydrides, flammable, n.o.s.	4.1	UN3182	ш	FLAMMABLE SOLID		151	213	
	Metal hydrides, water reactive, n.o.s.	4.3	UN1409	I	DANGEROUS WHEN WET**	N34, N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Metal hydrides, water reactive, n.o.s.	4.3	UN1409	п	DANGEROUS WHEN WET**	N34, N40	151	211	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Metallic substance, water-reactive, n.o.s.	4.3	UN3208	I	DANGEROUS WHEN WET**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Metallic substance, water-reactive, n.o.s.	4.3	UN3208	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Metallic substance, water-reactive, n.o.s.	4.3	UN3208	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Metallic substance, water-reactive, self-heating, n.o.s.	4.3 (4.2)	UN3209	I	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
G	Metallic substance, water-reactive, self-heating, n.o.s.	4.3 (4.2)	UN3209	п	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Metallic substance, water-reactive, self-heating, n.o.s.	4.3 (4.2)	UN3209	ш	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Metal powder, self-heating, n.o.s.	4.2	UN3189	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Metal powder, self-heating, n.o.s.	4.2	UN3189	Ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Metal powders, flammable, n.o.s.	4.1	UN3089	п	FLAMMABLE SOLID		151	212	
	Metal powders, flammable, n.o.s.	4.1	UN3089	III	FLAMMABLE SOLID		151	213	
	Metal salts of methyl nitramine (dry)	Forbid- den							
G	Metal salts of organic compounds, flammable, n.o.s.	4.1	UN3181	Π	FLAMMABLE SOLID		151	212	
G	Metal salts of organic compounds, flammable, n.o.s.	4.1	UN3181	ш	FLAMMABLE SOLID		151	213	
	Methacrylaldehyde, stabilized	3 (6.1)	UN2396	П	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Methacrylic acid, stabilized	8	UN2531	П	CORROSIVE		154 N	202	
+	Methacrylonitrile, stabilized	3 (6.1)	UN3079	I	FLAMMABLE LIQUID, POISON	2	None	227	Not Accepted by FedEx Ground
	Methallyl alcohol Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures,	3	UN2614	ш	FLAMMABLE LIQUID		150	203	
	etc. Methane, compressed or Natural gas, compressed (with high methane content)	2.1	UN1971		FLAMMABLE GAS		306	302	
	Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid), with high methane content)	2.1	UN1972		FLAMMABLE GAS		None	None	Not Accepted by FedEx Ground
	Methanesulfonyl chloride	6.1 (8)	UN3246	Ι	POISON, CORROSIVE	2,25	None	227	Not Accepted by FedEx Ground
D	Methanol	3	UN1230	П	FLAMMABLE LIQUID		150	202	
+I	Methanol	3 (6.1)	UN1230	п	FLAMMABLE LIQUID, POISON		150	202	Applicable only for international transportation. (see entry below for FedEx Ground requirements)
	Methazoic acid	Forbid- den							
	2-Methylbutanal	3	UN3371	П	FLAMMABLE LIQUID		150	202	
	1-Methoxy-2-propanol	3	UN3092	Ш	FLAMMABLE LIQUID		150	203	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	4-Methoxy-4-methylpentan-2-one	3	UN2293	Ш	FLAMMABLE LIQUID		150	203	
+	Methoxymethyl isocyanate	3 (6.1)	UN2605	Ι	FLAMMABLE LIQUID, POISON	1	None	226	Not Accepted by FedEx Ground
	2-Methyl-1-butene	3	UN2459	Ι	FLAMMABLE LIQUID		None	201	
	3-Methyl-1-butene	3	UN2561	Ι	FLAMMABLE LIQUID		None	201	
	2-Methyl-2-butene	3	UN2460	Π	FLAMMABLE LIQUID		None	202	
	Methyl 2-chloropropionate	3	UN2933	Ш	FLAMMABLE LIQUID		150	203	
	2-Methyl-2-heptanethiol	6.1 (3)	UN3023	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	2-Methyl-5-ethylpyridine	6.1	UN2300	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Methyl acetate	3	UN1231	Π	FLAMMABLE LIQUID		150	202	
	Methyl acetylene and propadiene mixtures, stabilized	2.1	UN1060		FLAMMABLE GAS		306	304	
	Methyl acrylate, stabilized	3	UN1919	п	FLAMMABLE LIQUID		150	202	
	Methylal	3	UN1234	П	FLAMMABLE LIQUID		None	202	
	Methyl alcohol, see Methanol								
	Methyl allyl chloride	3	UN2554	Π	FLAMMABLE LIQUID		150	202	
	Methylamine, anhydrous	2.1	UN1061		FLAMMABLE GAS		306	304	
	Methylamine, aqueous solution	3 (8)	UN1235	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Methylamine dinitramine and dry salts thereof	Forbid- den							
	Methylamine nitroform	Forbid- den							
	Methylamine perchlorate (dry)	Forbid- den							
	Methylamyl acetate	3	UN1233	Ш	FLAMMABLE LIQUID		150	203	
	Methyl amyl ketone, see Amyl methyl ketone								
	N-Methylaniline	6.1	UN2294	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	alpha-Methylbenzyl alcohol, liquid	6.1	UN2937	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	alpha-Methylbenzyl alcohol, solid	6.1	UN3438	ш			153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Methyl bromide	2.3	UN1062		POISON GAS	3	None	193	Not Accepted by FedEx Ground
	Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures								
	Methyl bromide and chloropicrin mixtures with not more than 2 percent								
	chloropicrin, see Methyl bromide								
	Methyl bromide and ethylene dibromide mixtures, liquid	6.1	UN1647	Ι	POISON	2,N65	None	227	Not Accepted by FedEx Ground
	Methyl bromoacetate	6.1	UN2643	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	3-Methylbutan-2-one	3	UN2397	п	FLAMMABLE LIQUID		150	202	
	N-Methylbutylamine	3 (8)	UN2945	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Methyl butyrate	3	UN1237	П	FLAMMABLE LIQUID		150	202	
	Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl								
	chloride mixtures								
	Methyl chloride and methylene chloride mixtures	2.1	UN1912		FLAMMABLE GAS		306	304	
	Methyl chloride or Refrigerant gas R 40	2.1	UN1063		FLAMMABLE GAS		306	304	
	Methyl chloroacetate	6.1 (3)	UN2295	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Methyl chlorocarbonate, see Methyl chloroformate								
	Methyl chloroformate	6.1 (3, 8)	UN1238	I	POISON, FLAMMABLE LIQUID, CORROSIVE	1,N34	None	226	Not Accepted by FedEx Ground
	Methyl chloroform, see 1,1,1-Trichloroethane								

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Methyl chloromethyl ether	6.1 (3)	UN1239	Ι	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground
	Methylchlorosilane	2.3 (3, 8)	UN2534		POISON GAS, FLAMMABLE GAS, CORROSIVE	2,N34	None	226	Not Accepted by FedEx Ground
	Methylcyclohexane	3	UN2296	Π	FLAMMABLE LIQUID		150	202	
	Methylcyclohexanols, flammable	3	UN2617	ш	FLAMMABLE LIQUID		150	203	
	Methylcyclohexanone	3	UN2297	Ш	FLAMMABLE LIQUID		150	203	
	Methylcyclopentane	3	UN2298	Π	FLAMMABLE LIQUID		150	202	
	Methyl dichloroacetate	6.1	UN2299	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
D	Methyldichloroarsine	6.1	NA1556	Ι	POISON	2	None	192	Not Accepted by FedEx Ground
	Methyldichlorosilane	4.3 (8, 3)	UN1242	I	DANGEROUS WHEN WET, CORROSIVE, FLAMMABLE LIQUID**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Methylene chloride, see Dichloromethane								
	Methylene glycol dinitrate	Forbid- den							
	Methyl ethyl ether, see Ethyl methyl ether								
	Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen	Forbid- den							
	Methyl ethyl ketone, see Ethyl methyl ketone								
	Methyl fluoride or Refrigerant gas R 41	2.1	UN2454		FLAMMABLE GAS		306	304	
	Methyl formate	3	UN1243	Ι	FLAMMABLE LIQUID		150	201	
	2-Methylfuran	3	UN2301	Π	FLAMMABLE LIQUID		150	202	
	a-Methylglucoside tetranitrate	Forbid- den							
	a-Methylglycerol trinitrate	Forbid- den							
	5-Methylhexan-2-one	3	UN2302	Ш	FLAMMABLE LIQUID		150	203	
	Methylhydrazine	6.1 (3, 8)	UN1244	I	POISON, FLAMMABLE LIQUID, CORROSIVE	1,N34	None	226	Not Accepted by FedEx Ground
	Methyl iodide	6.1	UN2644	Ι	POISON	2	None	227	Not Accepted by FedEx Ground
	Methyl isobutyl carbinol	3	UN2053	Ш	FLAMMABLE LIQUID		150	203	
	Methyl isobutyl ketone	3	UN1245	Π	FLAMMABLE LIQUID		150	202	
	Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen	Forbid- den							
	Methyl isocvanate	6.1 (3)	UN2480	Ι	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground
	Methyl isopropenyl ketone, stabilized	3	UN1246	П	FLAMMABLE LIQUID		150	202	
	Methyl isothiocyanate	6.1 (3)	UN2477	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Methyl isovalerate	3	UN2400	П	FLAMMABLE LIQUID		150	202	
	Methyl magnesium bromide, in ethyl ether	4.3 (3)	UN1928	I	DANGEROUS WHEN WET, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Methyl mercaptan	2.3 (2.1)	UN1064		POISON GAS, FLAMMABLE GAS	3	None	304	Not Accepted by FedEx Ground
	Methyl mercaptopropionaldehyde, see 4-Thiapentanal								
	Methyl methacrylate monomer, stabilized	3	UN1247	Π	FLAMMABLE LIQUID		150	202	
	4-Methylmorpholine or n-methylmorpholine	3 (8)	UN2535	П	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Methyl nitramine (dry)	Forbid- den							
	Methyl nitrate	Forbid- den							
	Methyl nitrite	Forbid- den							
	Methyl norbornene dicarboxylic anhydride, see Corrosive liquids, n.o.s.								
	Methyl orthosilicate	6.1 (3)	UN2606	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Methylpentadienes	3	UN2461	П	FLAMMABLE LIQUID		150	202	

# FedEx Ground Hazardous Materials Table

M M D M M D M M M M M M M M M M M	Hazardous materials descriptions and proper shipping names         (2)         Methylpentan-2-ol         dethylpentanes, see Hexanes         lethylpentanes, see Hexanes         lethylpenyldichlorosilane         lethyl phosphonic dichloride         dethyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, o.s.         lethyl phosphonous dichloride, pyrophoric liquid         dethyl picric acid (heavy metal salts of)         Methylpiperidine         lethyl propionate         lethyl propyl ether         lethyl propyl ketone         dethyl sulfate         dethyl sulfate	Hazard class or Division (3) 3 8 6.1 (8) 6.1 (4.2) Forbid- den 3 (8) 3 3 3 3	Identifi- cation Numbers (4) UN2560 UN2437 NA9206 NA2845 UN2399 UN1248	PG (5) III II I I I I	Label codes (6) FLAMMABLE LIQUID CORROSIVE POISON, CORROSIVE POISON, SPONTANEOUSLY COMBUSTIBLE	Special provisions (7) 2,N34,N43 2	Exceptions (8A) 150 154 None	NonBulk (8B) 203 202 227	FedEx Ground Restrictions (9) Not Accepted by FedEx Ground
2- M D M D M M D M M M M M M M M M M	Methylpentan-2-ol         Iethylpentanes, see         Hethylphenyldichlorosilane         Iethyl phosphonic dichloride         Iethyl phosphonothioic dichloride, anhydrous, see         Corrosive liquid, so.s.         Iethyl phosphonous dichloride, pyrophoric liquid         Iethyl picric acid (heavy metal salts of)         -Methylpiperidine         Iethyl propionate         Iethyl propyl ether         Iethyl purpyl sulfate	3 8 6.1 (8) 6.1 (4.2) Forbid- den 3 (8) 3 3	UN2560 UN2437 NA9206 NA2845 UN2399	III II I I	FLAMMABLE LIQUID CORROSIVE POISON, CORROSIVE	2,N34,N43	150 154 None	203 202	
M M D M M D M M M M M M M M M M M	Iterhylpentanes, see       Hexanes         Iethylphenyldichlorosilane       Iethyl phosphonic dichloride         Iethyl phosphonic dichloride, anhydrous, see       Corrosive liquid,         Iethyl phosphonous dichloride, anhydrous, see       Corrosive liquid,         Iethyl phosphonous dichloride, pyrophoric liquid       Iethyl picric acid (heavy metal salts of)         Methylpiperidine       Iethyl propionate         Iethyl propyl ether       Iethyl propyl ketone         Iethyl sulfate, see       Dimethyl sulfate	8 6.1 (8) 6.1 (4.2) Forbid- den 3 (8) 3 3	UN2437 NA9206 NA2845 UN2399	II I I	CORROSIVE POISON, CORROSIVE		154 None	202	Not Accepted by FedEx Ground
M     D     M     D     M     M     M     M     M	Iethylphenyldichlorosilane         Iethyl phosphonic dichloride         Iethyl phosphonothioic dichloride, anhydrous, see       Corrosive liquid,         .o.s.         Iethyl phosphonous dichloride, pyrophoric liquid         Iethyl picric acid (heavy metal salts of)         .Methylpiperidine         Iethyl propionate         Iethyl propyl ether         Iethyl propyl ketone         Iethyl sulfate, see	6.1 (8) 6.1 (4.2) Forbid- den 3 (8) 3 3	NA9206 NA2845 UN2399	I	POISON, CORROSIVE		None		Not Accepted by FedEx Ground
D M M n D M 1- M M M M M M M	Iethyl phosphonic dichloride         lethyl phosphonothioic dichloride, anhydrous, see Corrosive liquid,         .o.s.         Iethyl phosphonous dichloride, pyrophoric liquid         lethyl picric acid (heavy metal salts of)         -Methylpiperidine         Iethyl propionate         Iethyl propyl ether         Iethyl pulfate, see Dimethyl sulfate	6.1 (8) 6.1 (4.2) Forbid- den 3 (8) 3 3	NA9206 NA2845 UN2399	I	POISON, CORROSIVE		None		Not Accepted by FedEx Ground
M     D     M     M     M     M     M     M     M     M     M	tethyl phosphonothioic dichloride, anhydrous, see Corrosive liquid,         tots.         Iethyl phosphonous dichloride, pyrophoric liquid         lethyl picric acid (heavy metal salts of)         Methylpiperidine         Iethyl propionate         Iethyl propyl ether         Iethyl propyl ketone         Iethyl sulfate, see Dimethyl sulfate	6.1 (4.2) Forbid- den 3 (8) 3 3	NA2845 UN2399	I				227	Not Accepted by FedEx Ground
n.           D         M           I-         M           M         M           M         M           M         M           M         M	tethyl phosphonous dichloride, pyrophoric liquid lethyl picric acid (heavy metal salts of) Methylpiperidine lethyl propionate lethyl propyl ether lethyl propyl ketone lethyl sulfate, see Dimethyl sulfate	Forbid- den 3 (8) 3 3	UN2399	•	POISON, SPONTANEOUSLY COMBUSTIBLE	2			
M M I M M M M M M	Intervention         Intervention	Forbid- den 3 (8) 3 3	UN2399	•	POISON, SPONTANEOUSLY COMBUSTIBLE	2			
1- M M M M	Methylpiperidine Iethyl propionate Iethyl propyl ether Iethyl propyl ketone Iethyl sulfate, see Dimethyl sulfate	3 (8) 3 3		п			None	227	Not Accepted by FedEx Ground
M M M M	Iethyl propionate Iethyl propyl ether Iethyl propyl ketone Iethyl sulfate, see Dimethyl sulfate	3		п					
M M M	Iethyl propyl ether Iethyl propyl ketone Iethyl sulfate, see Dimethyl sulfate	3	UN1248		FLAMMABLE LIQUID, CORROSIVE		150	202	
M M M	lethyl propyl ketone fethyl sulfate, see Dimethyl sulfate			Π	FLAMMABLE LIQUID		150	202	
M M	lethyl sulfate, see Dimethyl sulfate	3	UN2612	П	FLAMMABLE LIQUID		150	202	
M		3	UN1249	Π	FLAMMABLE LIQUID		150	202	
	fethyl sulfide, see Dimethyl sulfide								
M									
	lethyl tert-butyl ether	3	UN2398	П	FLAMMABLE LIQUID		150	202	
M	Iethyltetrahydrofuran	3	UN2536	Π	FLAMMABLE LIQUID		150	202	
	Iethyl trichloroacetate	6.1	UN2533	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	lethyltrichlorosilane	3 (8)	UN1250	Ι	FLAMMABLE LIQUID, CORROSIVE	N34	None	201	
	fethyl trimethylol methane trinitrate	Forbid- den							
al	pha-Methylvaleraldehyde	3	UN2367	Π	FLAMMABLE LIQUID		150	202	
Μ	Iethyl vinyl ketone, stabilized	6.1 (3, 8)	UN1251	I	POISON,FLAMMABLE LIQUID, CORROSIVE	1	None	226	Not Accepted by FedEx Ground
	line rescue equipment containing carbon dioxide, see Carbon dioxide								
	lines with bursting charge	1.1F	UN0136	П	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	lines with bursting charge	1.1D	UN0137	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	lines with bursting charge	1.2D	UN0138	П	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	lines with bursting charge	1.2F	UN0294	Π	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	fixed acid, see Nitrating acid, mixtures etc.								
	tobility aids, see Battery powered equipment or Battery powered ehicle'								
D M	lodel rocket motor	1.45	NA0323	п	EXPLOSIVE 1.4S	51	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
D M	lodel rocket motor	1.4C	NA0276	п	EXPLOSIVE 1.4C	51	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Iolybdenum pentachloride	8	UN2508	III	CORROSIVE		154	213	
	Ionochloroacetone (unstabilized)	Forbid- den							
	fonochloroethylene, see Vinyl chloride, stabilized								
	Ionoethanolamine, see Ethanolamine, solutions								
	Ionoethylamine, see Ethylamine								
	Iorpholine	8	UN2054	Ι	CORROSIVE, FLAMMABLE LIQUID		None	201	
M	forpholine, aqueous, mixture, see Corrosive liquids, n.o.s.								
Μ	lotor fuel anti-knock compounds see Motor fuel anti-knock mixtures								

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
+	Motor fuel anti-knock mixtures	6.1 (3)	UN1649	I	POISON, FLAMMABLE LIQUID**	14	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Motor spirit see Gasoline								
	Muriatic acid, see Hydrochloric acid solution								
	Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene								
	Naphthalene, crude or Naphthalene, refined	4.1	UN1334	ш	FLAMMABLE SOLID		151	213	
	Naphthalene diozonide	Forbid- den	*******						
	Naphthalene, molten	4.1	UN2304	ш	FLAMMABLE SOLID		151	213	Not Accepted by FedEx Ground
	Naphtha see Petroleum distallate n.o.s.								Accepted only when packaged under applicable
	beta-Naphthylamine	6.1	UN1650	п	POISON**		153	212	special permit or 49CFR 173.13
	alpha-Naphthylamine	6.1	UN2077	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Naphthylamineperchlorate	Forbid- den							
	beta-Naphthylamine, solid	6.1	UN1650	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	beta-Naphthylamine solution	6.1	UN3411	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	beta-Naphthylamine solution	6.1	UN3411	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Naphthylthiourea	6.1	UN1651	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Naphthylurea	6.1	UN1652	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Natural gases (with high methane content), see Methane, etc. (UN 1971, UN 1972)								
	Neohexane, see Hexanes								
	Neon, compressed	2.2	UN1065		NONFLAMMABLE GAS		306	302	
	Neon, refrigerated liquid (cryogenic liquid)	2.2	UN1913		NONFLAMMABLE GAS**		320	316	Accepted only when packaged under exception 49CFR 173.320
	New explosive or explosive device, see sections 173.51 and 173.56								
	Nickel carbonyl	6.1 (3)	UN1259	Ι	POISON, FLAMMABLE LIQUID	1	None	198	Not Accepted by FedEx Ground
	Nickel cyanide	6.1	UN1653	п	POISON**	N74,N75	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Nickel nitrate	5.1	UN2725	ш	OXIDIZER		152	213	
	Nickel nitrite	5.1	UN2726	ш	OXIDIZER		152	213	
	Nickel picrate	Forbid- den							
	Nicotine	6.1	UN1654	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine compounds, liquid, n.o.s. <i>or</i> Nicotine preparations, liquid, n.o.s.	6.1	UN3144	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine compounds, liquid, n.o.s. <i>or</i> Nicotine preparations, liquid, n.o.s.	6.1	UN3144	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine compounds, liquid, n.o.s. <i>or</i> Nicotine preparations, liquid, n.o.s.	6.1	UN3144	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine hydrochloride liquid or solution	6.1	UN1656	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine hydrochloride liquid or solution	6.1	UN1656	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine hydrochloride, solid	6.1	UN3444	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine salicylate	6.1	UN1657	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine sulfate, solution	6.1	UN1658	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine sulfate, solution	6.1	UN1658	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine sulphate, solid	6.1	UN3445	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nicotine tartrate	6.1	UN1659	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrated paper (unstable)	Forbid- den							
	Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	П	OXIDIZER	58	152	202	
	Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	III	OXIDIZER	58	152	203	
	Nitrates, inorganic, n.o.s.	5.1	UN1477	П	OXIDIZER		152	212	
	Nitrates, inorganic, n.o.s.	5.1	UN1477	ш	OXIDIZER		152	213	
	Nitrates of diazonium compounds	Forbid- den							
	Nitrating acid mixtures, spent with more than 50 percent acid	8 (5.1)	UN1826	Ι	CORROSIVE, OXIDIZER		None	158	
	Nitrating acid mixtures, spent with not more than 50 percent acid	8	UN1826	Π	CORROSIVE		None	158	
	Nitrating acid mixtures, with more than 50 percent acid	8 (5.1)	UN1796	Ι	CORROSIVE, OXIDIZER		None	158	
	Nitrating acid mixtures, with not more than 50 percent acid	8	UN1796	П	CORROSIVE		None	158	
	Nitric acid other than red fuming, with more than 70 percent nitric acid	8 (5.1)	UN2031	I	CORROSIVE, OXIDIZER		None	158	
	<b>Nitric acid</b> other than red fuming, with not more than 70 percent nitric acid	8	UN2031	п	CORROSIVE		None	158	
+	Nitric acid, red fuming	8 (5.1, 6.1)	UN2032	Ι	CORROSIVE, OXIDIZER, POISON	2	None	227	Not Accepted by FedEx Ground
	Nitric oxide and dinitrogen tetroxide mixtures <i>or</i> Nitric oxide and nitrogen dioxide mixtures	2.3 (5.1, 8)	UN1975		POISON GAS, OXIDIZER, CORROSIVE	1	None	337	Not Accepted by FedEx Ground
	Nitric oxide, compressed	2.3 (5.1, 8)	UN1660		POISON GAS, OXIDIZER, CORROSIVE	1	None	337	Not Accepted by FedEx Ground
G	Nitriles, flammable, toxic, n.o.s.	3 (6.1)	UN3273	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, flammable, toxic, n.o.s.	3 (6.1)	UN3273	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, flammable, n.o.s.	6.1 (3)	UN3275	Ι	POISON, FLAMMABLE LIQUID**	5	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, flammable, n.o.s.	6.1 (3)	UN3275	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, liquid, n.o.s.	6.1	UN3276	I	POISON**	5	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, liquid, n.o.s.	6.1	UN3276	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, liquid, n.o.s.	6.1	UN3276	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Nitriles, toxic, solid, n.o.s.	6.1	UN3439	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, solid, n.o.s.	6.1	UN3439	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Nitriles, toxic, solid, n.o.s.	6.1	UN3439	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	Π	OXIDIZER		152	202	
	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	Ш	OXIDIZER		152	203	
	Nitrites, inorganic, n.o.s.	5.1	UN2627	Π	OXIDIZER	33	152	212	
	2-Nitro-2-methylpropanol nitrate	Forbid- den							
	3-Nitro-4-chlorobenzotrifluoride	6.1	UN2307	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	Forbid- den							
	N-Nitroaniline	Forbid- den							
+	Nitroanilines (o-;m-;p-;)	6.1	UN1661	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitroanisole, liquid	6.1	UN2730	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitroanisole, solid	6.1	UN3458	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Nitrobenzene	6.1	UN1662	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	m-Nitrobenzene diazonium perchlorate	Forbid- den							
	Nitrobenzenesulfonic acid	8	UN2305	Π	CORROSIVE		154	202	
	Nitrobenzol, see Nitrobenzene								
	5-Nitrobenzotriazol	1.1D	UN0385	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Nitrobenzotrifluorides, liquid	6.1	UN2306	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrobenzotrifluorides, solid	6.1	UN3431	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrobromobenzenes liquid	6.1	UN2732	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrobromobenzenes solid	6.1	UN2732	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Nitrocellulose</b> , dry or wetted with less than 25 percent water (or alcohol), by mass	1.1D	UN0340	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<b>Nitrocellulose membrane filters,</b> with not more than 12.6% nitrogen, by dry mass	4.1	UN3270	п	FLAMMABLE SOLID	43	151	212	
	Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	1.3C	UN0343	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Nitrocellulose, solution, flammable with not more than 12.6 percent	3	UN2059	I	FLAMMABLE LIQUID		None	201	
	nitrogen, by mass, and not more than 55 percent nitrocellulose <b>Nitrocellulose, solution, flammable</b> with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose	3	UN2059	п	FLAMMABLE LIQUID		150	202	
	Nitrocellulose, solution, flammable with not more than 12.6 percent	3	UN2059	ш	FLAMMABLE LIQUID		150	203	
	nitrogen, by mass, and not more than 55 percent nitrocellulose Nitrocellulose, unmodified or plasticized with less than 18 percent	1.1D	UN0341	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	plasticizing substance, by mass Nitrocellulose, wetted with not less than 25 percent alcohol, by mass	1.1D 1.3C	UN0341 UN0342	п	EXPLOSIVE 1.3C			62	
	<b>Nitrocellulose, wetted</b> with not less than 25 percent alcohol, by mass <b>Nitrocellulose with alcohol</b> with not less than 25 percent alcohol by mass,						None		Not Accepted by FedEx Ground
	and with not more than 12.6 percent nitrogen, by dry mass	4.1	UN2556	п	FLAMMABLE SOLID		151	212	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass, or Nitrocellulose mixture with pigment or Nitrocellulose mixture with plasticizer or Nitrocellulose mixture with pigment and plasticizer	4.1	UN2557	п	FLAMMABLE SOLID	44	151	212	
	Nitrocellulose with water with not less than 25 percent water, by mass	4.1	UN2555	п	FLAMMABLE SOLID		151	212	
	Nitrochlorobenzene, see Chloronitrobenzenes etc.								
	Nitrocresols, liquid	6.1	UN3434	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrocresols, solid	6.1	UN2446	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitroethane	3	UN2842	III	FLAMMABLE LIQUID		150	203	
	Nitroethylene polymer	Forbid- den							
	Nitroethyl nitrate	Forbid- den							
	Nitrogen, compressed	2.2	UN1066		NONFLAMMABLE GAS		306	302	
	Nitrogen dioxide see Dinitrogen tetroxide								
	Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc.								
	Nitrogen, mixtures with rare gases, see Rare gases and nitrogen mixtures								
	Nitrogen peroxide, see Dinitrogen tetroxide								
	Nitrogen, refrigerated liquid cryogenic liquid	2.2	UN1977		NONFLAMMABLE GAS		320	316	Accepted only when packaged under exception 49CFR 173.320
	Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures								
	Nitrogen tetroxide, see Dinitrogen tetroxide								
	Nitrogen trichloride	Forbid- den							
	Nitrogen trifluoride	2.2 (5.1)	UN2451		NON-FLAMMBLE GAS, OXIDIZER		None	302	
	Nitrogen triiodide	Forbid- den							
	Nitrogen triiodide monoamine	Forbid- den							
	Nitrogen trioxide	2.3 (5.1, 8)	UN2421		POISON GAS, OXIDIZER, CORROSIVE	1	None	336	Not Accepted by FedEx Ground
	<b>Nitroglycerin, desensitized</b> with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass	1.1D (6.1)	UN0143	п	EXPLOSIVE 1.1D, POISON	125	None	62	Not Accepted by FedEx Ground
	Nitroglycerin, liquid, not desensitized	Forbid- den							
	Nitroglycerin mixture desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass.	3	UN3343		FLAMMABLE LIQUID	129	None	214	Not Accepted by FedEx Ground
	Nitroglycerin mixture desensitized, liquid, n.o.s. with not more than	3	UN3357	п	FLAMMABLE LIQUID	142	None	202	Not Accepted by FedEx Ground
	30% nitroglycerin, by mass. Nitroglycerin mixture desensitized, solid, n.o.s. with more than 2 percent	4.1	UN3319	п	FLAMMABLE SOLID	118	None	None	Not Accepted by FedEx Ground
	but not more than 10 percent nitroglycerin, by mass.								
	<b>Nitroglycerin, solution in alcohol</b> , with more than 1 percent but not more than 10 percent nitroglycerin	1.1D	UN0144	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<b>Nitroglycerin, solution in alcohol</b> , with more than 1 percent but not more than 5 percent nitroglycerin	3	UN3064	п	FLAMMABLE LIQUID	N8	None	202	
	Nitroglycerin solution in alcohol with not more than 1 percent nitroglycering	3	UN1204	п	FLAMMABLE LIQUID	N34	150	202	
	Nitroguanidine nitrate	Forbid- den							
		. o. o.u. uch							

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Nitroguanidine</b> or <b>Picrite</b> , dry or wetted with less than 20 percent water, by mass	1.1D	UN0282	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass	4.1	UN1336	I	FLAMMABLE SOLID	23, N41	None	211	
	1-Nitrohydantoin	Forbid- den							
	Nitrohydrochloric acid	8	UN1798	Ι	CORROSIVE	N41	None	201	
	Nitro isobutane triol trinitrate								
	Nitromannite (dry)	Forbid- den							
	Nitromannite, wetted, see Mannitol hexanitrate, etc.								
	Nitromethane	3	UN1261	Π	FLAMMABLE LIQUID		150	202	
	Nitromuriatic acid, see Nitrohydrochloric acid								
	Nitronaphthalene	4.1	UN2538	Ш	FLAMMABLE SOLID		151	213	
	N-Nitro-N-methylglycolamide nitrate	Forbid- den							
+	Nitrophenols (o-; m-; p-;)	6.1	UN1663	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	m-Nitrophenyldinitro methane	Forbid- den							
	4-Nitrophenylhydrazine, with not less than 30% water, by mass	4.1	UN3376	Ι	FLAMMABLE SOLID	164	None	211	
	Nitropropanes	3	UN2608	ш	FLAMMABLE LIQUID**		150	203	Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	p-Nitrosodimethylaniline	4.2	UN1369	Π	SPONTANEOUSLY COMBUSTIBLE	N34	None	212	Not Accepted by FedEx Ground
	Nitrostarch, dry or wetted with less than 20 percent water, by mass	1.1D	UN0146	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Nitrostarch, wetted with not less than 20 percent water, by mass	4.1	UN1337	Ι	FLAMMABLE SOLID	23, N41	None	211	
	Nitrosugars (dry)	Forbid- den							
	Nitrosyl chloride	2.3 (8)	UN1069		POISON GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
	Nitrosylsulfuric acid, liquid	8	UN2308	П	CORROSIVE	N34	154	202	
_	Nitrosylsulfuric acid, solid	8	UN3456	Π	CORROSIVE		154	212	
	Nitrotoluenes, liquid	6.1	UN1664	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrotoluenes, solid	6.1	UN3446	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrotoluidines (mono)	6.1	UN2660	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitrotriazolone or NTO	1.1D	UN0490	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Nitro urea	1.1D	UN0147	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Nitrous oxide	2.2 (5.1)	UN1070		NONFLAMMABLE GAS, OXIDIZER		306	304	
	Nitrous oxide and carbon dioxide mixtures, see <b>Carbon dioxide and</b> nitrous oxide mixtures								
	Nitrous oxide mixtures Nitrous oxide, refrigerated liquid	22(51)	UN2201		NONELAMMADI E CAS, OVIDIZED		News	304	
	Nitrous oxide, retrigerated iiquid Nitroxylenes, liquid	2.2 (5.1) 6.1	UN2201 UN1665	п	NONFLAMMABLE GAS, OXIDIZER POISON**		None 153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitroxylenes, solid	6.1	UN3447	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Nitroxylol, see Nitroxylenes								
	Nonanes	3	UN1920	Ш	FLAMMABLE LIQUID		150	203	
	Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gases, etc.								
	Nonliquefied gases, see Compressed gases, etc.								
	Nonliquefied bydrocarbon gas, see Hydrocarbon gases, compressed,								
	n.o.s.		1			1			

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Nonyltrichlorosilane	8	UN1799	Π	CORROSIVE	N34	None	202	
	2,5-Norbornadiene stabilized, see Bicyclo 2,2,1 hepta-2,5-diene,								
	stabilized								
	Nordhausen acid, see Sulfuric acid, fuming etc.								
	Octadecyltrichlorosilane	8	UN1800	П	CORROSIVE	N34	None	202	
	Octadiene	3	UN2309	Π	FLAMMABLE LIQUID		150	202	
	1,7-Octadine-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid	Forbid- den							
	Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN2422		NONFLAMMABLE GAS		None	304	
	Octafluorocyclobutane or Refrigerant gas RC 318	2.2	UN1976		NONFLAMMABLE GAS		None	304	
	Octafluoropropane or Refrigerant gas R 218	2.2	UN2424		NONFLAMMABLE GAS		None	304	
	Octanes	3	UN1262	П	FLAMMABLE LIQUID		150	202	
	Octogen, ect. see Cyclotetramethylene tetranitramine, etc.								
	Octolite or Octol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0266	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Octonal	1.1D	UN0496		EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Octyl aldehydes	3	UN1191	ш	FLAMMABLE LIQUID		150	203	• •
	Octyltrichlorosilane	8	UN1801	Π	CORROSIVE	N34	None	202	
	Oil gas, compressed	2.3 (2.1)	UN1071		POISON GAS, FLAMMABLE GAS	6	None	304	Not Accepted by FedEx Ground
	Oleum, see Sulfuric acid, fuming	, í							<b>X</b> V
	Organic peroxide type A, liquid or solid	Forbid- den							
G	Organic peroxide type B, liquid	5.2 (1)	UN3101	Π	ORGANIC PEROXIDE, EXPLOSIVE	53	152	225	Not Accepted by FedEx Ground
G	Organic peroxide type B, liquid, temperature controlled	5.2 (1)	UN3111	п	ORGANIC PEROXIDE, EXPLOSIVE	53	None	225	Not Accepted by FedEx Ground
G	Organic peroxide type B, solid	5.2 (1)	UN3102	Π	ORGANIC PEROXIDE, EXPLOSIVE	53	152	225	Not Accepted by FedEx Ground
G	Organic peroxide type B, solid, temperature controlled	5.2 (1)	UN3112	П	ORGANIC PEROXIDE, EXPLOSIVE	53	None	225	Not Accepted by FedEx Ground
G	Organic peroxide type C, liquid	5.2	UN3103	Π	ORGANIC PEROXIDE		152	225	• •
G	Organic peroxide type C, liquid, temperature controlled	5.2	UN3113	П	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type C, solid	5.2	UN3104	Π	ORGANIC PEROXIDE		152	225	• •
G	Organic peroxide type C, solid, temperature controlled	5.2	UN3114	П	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type D, liquid	5.2	UN3105	Π	ORGANIC PEROXIDE		152	225	<b>*</b>
G	Organic peroxide type D, liquid, temperature controlled	5.2	UN3115	П	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type D, solid	5.2	UN3106	Π	ORGANIC PEROXIDE		152	225	
G	Organic peroxide type D, solid, temperature controlled	5.2	UN3116	Π	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type E, liquid	5.2	UN3107	Π	ORGANIC PEROXIDE		152	225	
G	Organic peroxide type E, liquid, temperature controlled	5.2	UN3117	П	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type E, solid	5.2	UN3108	Π	ORGANIC PEROXIDE		152	225	
G	Organic peroxide type E, solid, temperature controlled	5.2	UN3118	п	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type F, liquid	5.2	UN3109	Π	ORGANIC PEROXIDE		152	225	
G	Organic peroxide type F, liquid, temperature controlled	5.2	UN3119	Π	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
G	Organic peroxide type F, solid	5.2	UN3110	Π	ORGANIC PEROXIDE		152	225	
G	Organic peroxide type F, solid, temperature controlled	5.2	UN3120	Π	ORGANIC PEROXIDE		None	225	Not Accepted by FedEx Ground
D	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	2.3	NA1955		POISON GAS	3	None	334	Not Accepted by FedEx Ground
	Organic pigments, self-heating	4.2	UN3313	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Organic pigments, self-heating	4.2	UN3313	Ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3280	Ι	POISON**	5	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3280	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3280	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organochlorine pesticides liquid, flammable</b> , toxic, flashpoint less than 23 degrees C	3 (6.1)	UN2762	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organochlorine pesticides liquid, flammable, toxic</b> , <i>flashpoint less than</i> 23 degrees C	3 (6.1)	UN2762	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organochlorine pesticides, liquid, toxic	6.1	UN2996	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organochlorine pesticides, liquid, toxic	6.1	UN2996	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organochlorine pesticides, liquid, toxic	6.1	UN2996	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organochlorine pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less</i> <i>than 23 degrees C</i>	6.1 (3)	UN2995	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organochlorine pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less</i> <i>than 23 degrees C</i>	6.1 (3)	UN2995	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organochlorine pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less</i> <i>than 23 degrees C</i>	6.1 (3)	UN2995	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organochlorine pesticides, solid toxic	6.1	UN2761	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organochlorine pesticides, solid toxic	6.1	UN2761	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organochlorine pesticides, solid toxic	6.1	UN2761	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic compound, toxic, liquid, n.o.s.	6.1	UN3282	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic compound, toxic, liquid, n.o.s.	6.1	UN3282	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic compound, toxic, liquid, n.o.s.	6.1	UN3282	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic compound, toxic, solid, n.o.s.	6.1	UN3467	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic compound, toxic, solid, n.o.s.	6.1	UN3467	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic compound, toxic, solid, n.o.s.	6.1	UN3467	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, liquid, pyrophoric	4.2	UN33392	Ι	SPONTANEOUSLY COMBUSTIBLE		None	181	Not Accepted by FedEx Ground
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.2 (4.3)	UN3398	Ι	SPONTANEOUSLY COMBUSTIBLE, DANGEROUS WHEN WET		None	201	Not Accepted by FedEx Ground
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.3	UN3398	I	DANGEROUS WHEN WET**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.3	UN3398	п	DANGEROUS WHEN WET**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.3	UN3398	ш	DANGEROUS WHEN WET**		None	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Organometallic substance, liquid, water-reactive, flammable	4.3 (3)	UN3399	I	DANGEROUS WHEN WET, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, liquid, water-reactive, flammable	4.3 (3)	UN3399	п	DANGEROUS WHEN WET, FLAMMABLE LIQUID**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, liquid, water-reactive, flammable	4.3 (3)	UN3399	ш	DANGEROUS WHEN WET, FLAMMABLE LIQUID**		None	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid pyrophoric	4.2	UN3391	Ι	SPONTANEOUSLY COMBUSTIBLE		None	181	Not Accepted by FedEx Ground
G	Organometallic substance, solid, pyrophoric, water-reactive	4.2 (4.3)	UN3393	I	SPONTANEOUSLY COMBUSTIBLE, DANGEROUS WHEN WET		None	181	Not Accepted by FedEx Ground
G	Organometallic substance, solid, self-heating	4.2	UN3400	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Organometallic substance, solid, self-heating	4.2	UN3400	ш	SPONTANEOUSLY COMBUSTIBLE		None	203	Not Accepted by FedEx Ground
G	Organometallic substance, solid, water-reative	4.3	UN3395	Ι	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid, water-reative	4.3	UN3395	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid, water-reative	4.3	UN3395	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid, water-reactive, flammable	4.3 (4.1)	UN3396	I	DANGEROUS WHEN WET, FLAMMABLE SOLID**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid, water-reactive, flammable	4.3 (4.1)	UN3396	п	DANGEROUS WHEN WET, FLAMMABLE SOLID**		151	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid, water-reactive, flammable	4.3 (4.1)	UN3396	ш	DANGEROUS WHEN WET, FLAMMABLE SOLID**		151	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organometallic substance, solid, water-reactive, self-heating	4.3 (4.2)	UN3397	I	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE	N40	None	211	Not Accepted by FedEx Ground
G	Organometallic substance, solid, water-reactive, self-heating	4.3 (4.2)	UN3397	п	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Organometallic substance, solid, water-reactive, self-heating	4.3 (4.2)	UN3397	ш	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Organophosphorus compound, toxic, flammable, n.o.s.	6.1 (3)	UN3279	I	POISON, FLAMMABLE LIQUID**	5	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus compound, toxic, flammable, n.o.s.	6.1 (3)	UN3279	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organophosphorus compound, toxic, liquid, n.o.s.	6.1	UN3278	I	POISON**	5	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organophosphorus compound, toxic, liquid, n.o.s.	6.1	UN3278	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organophosphorus compound, toxic, liquid, n.o.s.	6.1	UN3278	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organophosphorus compound, toxic, solid, n.o.s.	6.1	UN3464	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organophosphorus compound, toxic, solid, n.o.s.	6.1	UN3464	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Organophosphorus compound, toxic, solid, n.o.s.	6.1	UN3464	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organophosphorus pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN2784	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Organophosphorus pesticides, liquid, flammable, toxic</b> , <i>flashpoint less</i> <i>than 23 degrees C</i>	3 (6.1)	UN2784	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus pesticides, liquid, toxic	6.1	UN3018	I	POISON**	N76	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus pesticides, liquid, toxic	6.1	UN3018	п	POISON**	N76	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus pesticides, liquid, toxic	6.1	UN3018	ш	POISON**	N76	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organophosphorus pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3017	I	POISON, FLAMMABLE LIQUID**	N76	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organophosphorus pesticides, liquid, toxic, flammable</b> , flashpoint not less than 23 degrees C	6.1 (3)	UN3017	п	POISON, FLAMMABLE LIQUID**	N76	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organophosphorus pesticides, liquid, toxic, flammable</b> , <i>flashpoint not</i> <i>less than 23 degrees C</i>	6.1 (3)	UN3017	ш	POISON, FLAMMABLE LIQUID**	N76	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus pesticides, solid, toxic	6.1	UN2783	I	POISON**	N77	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus pesticides, solid, toxic	6.1	UN2783	п	POISON**	N77	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organophosphorus pesticides, solid, toxic	6.1	UN2783	ш	POISON**	N77	153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin compounds, liquid, n.o.s.	6.1	UN2788	I	POISON**	N33,N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin compounds, liquid, n.o.s.	6.1	UN2788	п	POISON**	N33,N34	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin compounds, liquid, n.o.s.	6.1	UN2788	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin compounds, solid, n.o.s.	6.1	UN3146	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin compounds, solid, n.o.s.	6.1	UN3146	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin compounds, solid, n.o.s.	6.1	UN3146	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organotin pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN2787	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organotin pesticides, liquid, flammable, toxic</b> , <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN2787	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin pesticides, liquid, toxic	6.1	UN3020	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin pesticides, liquid, toxic	6.1	UN3020	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin pesticides, liquid, toxic	6.1	UN3020	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organotin pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than</i> 23 degrees C	6.1 (3)	UN3019	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organotin pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than</i> 23 degrees C	6.1 (3)	UN3019	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Organotin pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than</i> 23 degrees C	6.1 (3)	UN3019	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin pesticides, solid, toxic	6.1	UN2786	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Organotin pesticides, solid, toxic	6.1	UN2786	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						(§173.***)		
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Organotin pesticides, solid, toxic	6.1	UN2786	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Orthonitroaniline, see Nitroanilines etc.								special permit of 4761 K 175.16
	Osmium tetroxide	6.1	UN2471	I	POISON**	N33,N34	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
D,G	Other regulated substances, liquid, n.o.s.	9	NA3082	ш	CLASS 9		155	203	special permit of 4701 K 170.10
D,G	Other regulated substances, solid, n.o.s.	9	NA3077	Ш	CLASS 9		155	213	
G	Oxidizing liquid, corrosive, n.o.s.	5.1 (8)	UN3098	Ι	OXIDIZER, CORROSIVE		None	201	
G	Oxidizing liquid, corrosive, n.o.s.	5.1 (8)	UN3098	Π	OXIDIZER, CORROSIVE		None	202	
G	Oxidizing liquid, corrosive, n.o.s.	5.1 (8)	UN3098	ш	OXIDIZER, CORROSIVE		152	203	
G	Oxidizing liquid, n.o.s.	5.1	UN3139	Ι	OXIDIZER	127	152	201	
G	Oxidizing liquid, n.o.s.	5.1	UN3139	Π	OXIDIZER	127	152	202	
G	Oxidizing liquid, n.o.s.	5.1	UN3139	III	OXIDIZER	127	152	203	
G	Oxidizing liquid, toxic, n.o.s.	5.1 (6.1)	UN3099	I	OXIDIZER, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Oxidizing liquid, toxic, n.o.s.	5.1 (6.1)	UN3099	п	OXIDIZER, POISON**		152	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Oxidizing liquid, toxic, n.o.s.	5.1 (6.1)	UN3099	ш	OXIDIZER, POISON**		152	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Oxidizing solid, corrosive, n.o.s.	5.1 (8)	UN3085	Ι	OXIDIZER, CORROSIVE		None	211	· · ·
	Oxidizing solid, corrosive, n.o.s.	5.1 (8)	UN3085	Π	OXIDIZER, CORROSIVE		None	212	
G	Oxidizing solid, corrosive, n.o.s.	5.1 (8)	UN3085	III	OXIDIZER, CORROSIVE		152	213	
G	Oxidizing solid, flammable, n.o.s.	5.1 (4.1)	UN3137	Ι	OXIDIZER, FLAMMABLE SOLID		None	214	Not Accepted by FedEx Ground
G	Oxidizing solid, n.o.s.	5.1	UN1479	Ι	OXIDIZER		None	211	* *
G	Oxidizing solid, n.o.s.	5.1	UN1479	П	OXIDIZER		152	212	
G	Oxidizing solid, n.o.s.	5.1	UN1479	III	OXIDIZER		152	213	
G	Oxidizing solid, self-heating, n.o.s.	5.1 (4.2)	UN3100	I	OXIDIZER, SPONTANEOUSLY COMBUSTIBLE		None	214	Not Accepted by FedEx Ground
G	Oxidizing solid, self-heating, n.o.s.	5.1 (4.2)	UN3100	п	OXIDIZER, SPONTANEOUSLY COMBUSTIBLE		None	214	Not Accepted by FedEx Ground
G	Oxidizing solid, toxic, n.o.s.	5.1 (6.1)	UN3087	I	OXIDIZER, POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Oxidizing solid, toxic, n.o.s.	5.1 (6.1)	UN3087	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Oxidizing solid, toxic, n.o.s.	5.1 (6.1)	UN3087	ш	OXIDIZER, POISON**		152	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Oxidizing solid, water-reactive, n.o.s.	5.1 (4.3)	UN3121		OXIDIZER, DANGEROUS WHEN WET		None	214	Not Accepted by FedEx Ground
	Oxygen and carbon dioxide mixtures, see Carbon dioxide and oxygen mixtures								
	Oxygen, compressed	2.2 (5.1)	UN1072		NONFLAMMABLE GAS, OXIDIZER**		306	302	OXYGEN label may be used in lieu of labels indicated in column 6 see 49CFR 172.405(b)
	Oxygen difluoride, compressed	2.3 (5.1, 8)	UN2190		POISON GAS, OXIDIZER, CORROSIVE	1	None	304	Not Accepted by FedEx Ground
	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc)	5.1	UN3356	п	OXIDIZER	60	None	212	
+	Oxygen generator, chemical, spent	9	NA3356	ш	CLASS 9	61	None	213	
	Oxygen, mixtures with rare gases, see Rare gases and oxygen mixtures								

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Oxygen, refrigerated liquid (cryogenic liquid)	2.2 (5.1)	UN1073		NONFLAMMABLE GAS, OXIDIZER**		320	316	Accepted only when packaged under exception 49CFR 173.320
	<b>Paint</b> including paint, lacquer, enamel, satin, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	3	UN1263	I	FLAMMABLE LIQUID**		150	201	See Paint section in this guide
	<b>Paint</b> including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	3	UN1263	п	FLAMMABLE LIQUID**	149	150	173	See Paint section in this guide
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	3	UN1263	ш	FLAMMABLE LIQUID**		150	173	See Paint section in this guide
	Paint or Paint related material	8	UN3066	П	CORROSIVE**		154	173	See Paint section in this guide
	Paint or Paint related material	8	UN3066	III	CORROSIVE**		154	173	See Paint section in this guide
	Paint related material including paint thinning, drying, removing, or reducing compound	3	UN1263	I	FLAMMABLE LIQUID**		150	201	See Paint section in this guide
	Paint related material including paint thinning, drying, removing, or reducing compound	3	UN1263	п	FLAMMABLE LIQUID**	149	150	173	See Paint section in this guide
	<b>Paint related material</b> including paint thinning, drying, removing, or reducing compound	3	UN1263	ш	FLAMMABLE LIQUID**		150	173	See Paint section in this guide
	<b>Paper, unsaturated oil treated</b> <i>incompletely dried (including carbon paper)</i>	4.2	UN1379	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Paraformaldehyde	4.1	UN2213	Ш	FLAMMABLE SOLID		151	213	
	Paraldehyde	3	UN1264	III	FLAMMABLE LIQUID		150	203	
	Paranitroaniline, solid, see Nitroanilines etc.								
D	Parathion and compressed gas mixture	2.3	NA1967		POISON GAS	3	None	334	Not Accepted by FedEx Ground
	Paris green, solid, see Copper acetoarsenite								
AW	PCB, see Polychlorinated biphenyls								
+	Pentaborane	4.2 (6.1)	UN1380	I	SPONTANEOUSLY COMBUSTIBLE, POISON	1	None	205	Not Accepted by FedEx Ground
	Pentachloroethane	6.1	UN1669	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Pentachlorophenol	6.1	UN3155	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Pentaerythrite tetranitrate (dry)	Forbid- den							
	<b>Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s.</b> with more than 10 percent but not more than 20 percent PETN, by mass	4.1	UN3344	п	FLAMMABLE SOLID	118, N85	None	214	Not Accepted by FedEx Ground
	<b>Pentaerythrite tetranitrate</b> or <b>Pentaerythritol tetranitrate</b> or <b>PETN</b> , with not less than 7 percent wax by mass	1.1D	UN0411	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass	1.1D	UN0150	п	EXPLOSIVE 1.1D	121	None	62	Not Accepted by FedEx Ground
	Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc.								
	Pentafluoroethane or Refrigerant gas R 125	2.2	UN3220		NONFLAMMABLE GAS		306	304	
	Pentamethylheptane	3	UN2286	III	FLAMMABLE LIQUID		150	203	
	Pentane-2,4-dione	3 (6.1)	UN2310	ш	FLAMMABLE LIQUID, POISON**		150	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

# FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Pentanes	3	UN1265	Ι	FLAMMABLE LIQUID		150	201	
	Pentanes	3	UN1265	п	FLAMMABLE LIQUID		150	202	
	Pentanitroaniline (dry)	Forbid- den							
	Pentanols	3	UN1105	Π	FLAMMABLE LIQUID		150	202	
	Pentanols	3	UN1105	ш	FLAMMABLE LIQUID		150	203	
	Pentanitroaniline (dry)	Forbid- den							
	1-Pentene (n-amylene)	3	UN1108	Ι	FLAMMABLE LIQUID		150	201	
	1-Pentol	8	UN2705	п	CORROSIVE		154	202	
	Pentolite, dry or wetted with less than 15 percent water, by mass	1.1D	UN0151	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized								
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	Π	OXIDIZER		152	202	
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	ш	OXIDIZER		152	203	
	Perchlorates, inorganic, n.o.s.	5.1	UN1481	П	OXIDIZER		152	212	
	Perchlorates, inorganic, n.o.s.	5.1	UN1481	ш	OXIDIZER		152	213	
	<b>Perchloric acid</b> with more than 50 percent but not more than 72 percent acid, by mass	5.1 (8)	UN1873	I	OXIDIZER, CORROSIVE	N41	None	201	
	Perchloric acid, with more than 72 percent acid by mass	Forbid- den							
	<b>Perchloric acid</b> with not more than 50 percent acid by mass	8	UN1802	П	CORROSIVE, OXIDIZER	N41	None	202	
	Perchloroethylene, see Tetrachloroethylene								
	Perchloromethyl mercaptan	6.1	UN1670	Ι	POISON	2, N34	None	227	Not Accepted by FedEx Ground
	Perchloryl fluoride	2.3 (5.1)	UN3083		POISON GAS, OXIDIZER	2	None	302	Not Accepted by FedEx Ground
	Percussion caps, see Primers, cap type								
	Perfluoro-2-butene, see Octafluorobut-2-ene								
	Perfluoro (ethyl vinyl ether)	2.1	UN3154		FLAMMABLE GAS		306	302,304, 305	
	Perfluoro (methyl vinyl ether)	2.1	UN3153		FLAMMABLE GAS		306	302,304, 305	
	Perfumery products with flammable solvents	3	UN1266	П	FLAMMABLE LIQUID	149	150	202	
	Perfumery products with flammable solvents	3	UN1266	ш	FLAMMABLE LIQUID		150	203	
	Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	Π	OXIDIZER	26	152	202	
	Permanganates, inorganic, n.o.s.	5.1	UN1482	Π	OXIDIZER	26	152	212	
	Permanganates, inorganic, n.o.s.	5.1	UN1482	Ш	OXIDIZER	26	152	213	
	Peroxides, inorganic, n.o.s.	5.1	UN1483	Π	OXIDIZER	N34	None	212	
	Peroxides, inorganic, n.o.s.	5.1	UN1483	ш	OXIDIZER	N34	152	213	
	Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide	Forbid- den							
	Persulfates, inorganic, aqueous solution, n.o.s.	5.1	UN3216	Ш	OXIDIZER		152	203	
	Persulfates, inorganic, n.o.s.	5.1	UN3215	ш	OXIDIZER		152	213	
G	Pesticides, liquid, flammable, toxic, flashpoint less than 23 degrees C	3 (6.1)	UN3021	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Pesticides, liquid, flammable, toxic, flashpoint less than 23 degrees C	3 (6.1)	UN3021	п	FLAMMABLE LIQUID, POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	<b>Pesticides, liquid, toxic, flammable, n.o.s.</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN2903	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	<b>Pesticides, liquid, toxic, flammable, n.o.s.</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN2903	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	<b>Pesticides, liquid, toxic, flammable, n.o.s.</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN2903	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
G	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	п	POISON**		153	212	special permit or 49CFR 173.13 Accepted only when packaged under applicable
G	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	ш	POISON**		153	213	special permit or 49CFR 173.13
	PETN/TNT, see Pentolite, etc.								
	PETN, see Pentaerythrite tetranitrate								
	Petroleum crude oil	3	UN1267	Ι	FLAMMABLE LIQUID	144	150	201	
	Petroleum crude oil	3	UN1267	Π	FLAMMABLE LIQUID	144	150	202	
	Petroleum crude oil	3	UN1267	Ш	FLAMMABLE LIQUID	144	150	203	
	Petroleum distillates, n.o.s. <i>or</i> Petroleum products, n.o.s.	3	UN1268	I	FLAMMABLE LIQUID		150	201	
	Petroleum distillates, n.o.s. <i>or</i> Petroleum products, n.o.s.	3	UN1268	П	FLAMMABLE LIQUID		150 150	202 203	
	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	2.1	UN1268	ш	FLAMMABLE LIQUID		306	203 304	
D	Petroleum gases, liquefied <i>or</i> Liquefied petroleum gas	2.1	UN1075		FLAMMABLE GAS				
D	Petroleum oil Petroleum oil	3	NA1270 NA1270	П	FLAMMABLE LIQUID FLAMMABLE LIQUID		None 150	201 202	
D	Petroleum oli	3	NA1270 NA1270	ш	FLAMMABLE LIQUID		150	202	
D	Petrol, see Gasoline	3	NA1270	111	FLAMMABLE LIQUID		150	203	
	Phenacyl bromide	6.1	UN2645	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
+	Phenetidines	6.1	UN2311	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenol, molten	6.1	UN2312	п	POISON		None	202	Not Accepted by FedEx Ground
+	Phenol, solid	6.1	UN1671	п	POISON**	N78	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenol solutions	6.1	UN2821	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenol solutions	6.1	UN2821	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenolsulfonic acid, liquid	8	UN1803	Π	CORROSIVE	N41	154	202	
	<b>Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic</b> <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN3346	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic</b> <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN3346	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable</b> , flashpoint not less than 23 degrees C	6.1 (3)	UN3347	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3347	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable</b> , flashpoint not less than 23 degrees C	6.1 (3)	UN3347	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenoxyacetic acid derivative pesticide, solid, toxic	6.1	UN3345	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenoxyacetic acid derivative pesticide, solid, toxic	6.1	UN3345	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenoxyacetic acid derivative pesticide, solid, toxic	6.1	UN3345	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Phenylacetonitrile, liquid	6.1	UN2470	ш	POISON**		153	203	special permit or 49CFR 173.13
	Phenylacetyl chloride Phenylcarbylamine chloride	8 6.1	UN2577 UN1672	П	CORROSIVE POISON	2	154 None	202 227	Not A counted by FodFor Course d
	Phenyl chloroformate	6.1 (8)	UN1672 UN2746	п	POISON POISON, CORROSIVE**	Z	153	202	Not Accepted by FedEx Ground Accepted only when packaged under applicable special permit or 49CFR 173.13
	<i>m-Phenylene diaminediperchlorate (dry)</i>	Forbid- den							special per line of 49CFR 175.15
+	Phenylenediamines (o-; m-; p-')	6.1	UN1673	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenylhydrazine	6.1	UN2572	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenyl isocyanate	6.1 (3)	UN2487	I	POISON, FLAMMABLE LIQUID	2,N33,N34	None	227	Not Accepted by FedEx Ground
	Phenyl mercaptan	6.1 (3)	UN2337	Ι	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	Phenylmercuric acetate	6.1	UN1674	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenylmercuric compounds, n.o.s.	6.1	UN2026	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Phenylmercuric compounds, n.o.s.	6.1	UN2026	п	POISON**		153	212	special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Phenylmercuric compounds, n.o.s.	6.1	UN2026	ш	POISON**		153	213	special permit or 49CFR 173.13
	Phenylmercuric hydroxide	6.1	UN1894	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenylmercuric nitrate	6.1	UN1895	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenyl phosphorus dichloride	8	UN2798	П	CORROSIVE		154	202	
	Phenyl phosphorus thiodichloride Phenyltrichlorosilane	8	UN2799 UN1804	II II	CORROSIVE	N34	154 None	202 202	
	Phenyl urea pesticides, liquid, toxic	6.1	UN3002	I	POISON**	1134	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenyl urea pesticides, liquid, toxic	6.1	UN3002	п	POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phenyl urea pesticides, liquid, toxic	6.1	UN3002	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Phosgene	2.3 (8)	UN1076		DANGEROUS WHEN WET, CORROSIVE	1			Not Accepted by FedEx Ground
	9-Phosphabicyclononanes	4.2	UN2940	П	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Phosphine	2.3 (2.1)	UN2199		POISON GAS, FLAMMABLE GAS	1	None	192	Not Accepted by FedEx Ground
	Phosphoric acid, solid	8	UN3453	ш	CORROSIVE		154	213	
	Phosphoric acid solution Phosphoric acid triethyleneimine, see Tris-(1-aziridiyl)phosphine oxide,	8	UN1805	ш	CORROSIVE	N34	154	203	
	solution								

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Phosphoric anhydride, see Phosphorus pentoxide								
	Phosphorous acid	8	UN2834	ш	CORROSIVE		154	213	
	Phosphorus, amorphous	4.1	UN1338	ш	FLAMMABLE SOLID		None	213	
	Phosphorus bromide, see Phosphorus tribromide								
	Phosphorus chloride, see Phosphorus trichloride								
	Phosphorus heptasulfide, free from yellow or white phosphorus	4.1	UN1339	Π	FLAMMABLE SOLID	N34	None	212	
	Phosphorus oxybromide	8	UN1939	Π	CORROSIVE	N41, N43	None	212	
	Phosphorus oxybromide, molten	8	UN2576	Π	CORROSIVE	N41, N43	None	202	Not Accepted by FedEx Ground
+	Phosphorus oxychloride	8 (6.1)	UN1810	Π	CORROSIVE, POISON	2, N34	None	227	Not Accepted by FedEx Ground
	Phosphorus pentabromide	8	UN2691	Π	CORROSIVE	N34	154	212	
	Phosphorus pentachloride	8	UN1806	Π	CORROSIVE	N34	None	212	
	Phosphorus pentafluoride	2.3 (8)	UN2198		POISON GAS, CORROSIVE	2	None	302, 304	Not Accepted by FedEx Ground
	Phosphorus pentasulfide, free from yellow or white phosphorus	4.3 (4.1)	UN1340	п	DANGEROUS WHEN WET, FLAMMABLE SOLID		151	212	Not Accepted by FedEx Ground
	Phosphorus pentoxide	8	UN1807	Π	CORROSIVE	N34	154	212	
	Phosphorus sesquisulfide, free from yellow or white phosphorus	4.1	UN1341	п	FLAMMABLE SOLID	N34	None	212	
	Phosphorus tribromide	8	UN1808	Π	CORROSIVE	N34, N43	None	202	
	Phosphorus trichloride	6.1 (8)	UN1809	Ι	POISON, CORROSIVE	2, N34	None	227	Not Accepted by FedEx Ground
	Phosphorus trioxide	8	UN2578	Ш			154	213	
	Phosphorus trisulfide, free from yellow or white phosphorus	4.1	UN1343	П	FLAMMABLE SOLID	N34	None	212	
	Phosphorus, white dry <i>or</i> Phosphorus, white, under water <i>or</i> Phosphorus white, in solution <i>or</i> Phosphorus, yellow dry <i>or</i> Phosphorus, yellow, under water <i>or</i> Phosphorus, yellow, in solution	4.2 (6.1)	UN1381	I	SPONTANEOUSLY COMBUSTIBLE, POISON	N34	None	188	Not Accepted by FedEx Ground
	Phosphorus white, molten	4.2 (6.1)	UN2447	I	SPONTANEOUSLY COMBUSTIBLE, POISON	N34	None	188	Not Accepted by FedEx Ground
	Phosphorus (white or red) and a chlorate, mixtures of	Forbid- den							
	Phosphoryl chloride, see Phosphorus oxychloride								
	Phthalic anhydride with more than .05 percent maleic anhydride	8	UN2214	Ш			154	213	
	Picolines	3	UN2313	ш	FLAMMABLE LIQUID		150	203	
	Picric acid, see Trinitrophenol, etc.								
	Picrite, see Nitroguanidine, etc.								
	Picryl chloride, see Trinitrochlorobenzene								
	alpha-Pinene	3	UN2368	Ш			150	203	
	Pine oil	3	UN1272	ш	÷		150	203	
	Piperazine	8	UN2579	ш			154	213	
	Piperidine	8 (3)	UN2401	I	CORROSIVE, FLAMMABLE LIQUID		None	201	
	Pivaloyl chloride, see Trimethylacetyl chloride								
	Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor	9	UN3314	ш	CLASS 9	32	155	221	
	Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2	UN2006	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Plastic solvent, n.o.s., see Flammable liquids, n.o.s.								
	Poisonous gases, n.o.s., see Compressed or liquefied gases, flammable or toxic, n.o.s.								
	Polyalkylamines, n.o.s., see Amines, etc.								
	Polychlorinated biphenyls, liquid	9	UN2315	п	CLASS 9	9, 81, 140	155	202	May not be regulated via highway. Not accepted if package exceeds 1 lb. (0.454kg) of PCB's- see RQ Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Р	Polychlorinated biphenyls, solid	9	UN2315	п	CLASS 9	9, 81, 140	155	212	May not be regulated via highway. Not accepted if package exceeds 1 lb. (0.454kg) of PCB's- see RQ Table
Р	Polyester resin kit	3	UN3269		FLAMMABLE LIQUID	40, 149	152	225	See Special Provision 40 for Packing Group
	Polyhalogenated biphenyls, liquid <i>or</i> Polyhalogenated terphenyls iquid	9	UN3151	п	CLASS 9		155	204	
Р	Polyhalogenated biphenyls, solid $or$ Polyhalogenated terphenyls, solid	9	UN3152	п	CLASS 9		155	204	
Р	Polymeric beads, expandable, evolving flammable vapor	9	UN2211	III	CLASS 9	32	155	221	
Р	otassium	4.3	UN2257	I	DANGEROUS WHEN WET**	N6, N34	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
Р	Potassium arsenate	6.1	UN1677	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
Р	Potassium arsenite	6.1	UN1678	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
P	Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.								
Р	Potassium borohydride	4.3	UN1870	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Potassium bromate	5.1	UN1484	Π	OXIDIZER		152	212	
	Potassium carbonyl	Forbid- den							
	Potassium chlorate	5.1	UN1485	Π	OXIDIZER	N34	152	212	
	Potassium chlorate, aqueous solution	5.1	UN2427	Π	OXIDIZER		152	202	
	Potassium chlorate, aqueous solution	5.1	UN2427	ш	OXIDIZER		152	203	
P C	Potassium chlorate mixed with mineral oil, see Explosive, blasting, type								
Р	Potassium cuprocyanide	6.1	UN1679	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Р	Potassium cyanide, solid	6.1	UN1680	I	POISON**	N74, N75	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
Р	Potassium cyanide, solution	6.1	UN3413	I	POISON**	N47, N75	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
Р	Potassium cyanide, solution	6.1	UN3413	п	POISON**	N47, N75	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
Р	Potassium cyanide, solution	6.1	UN3413	ш	POISON**	N47, N75	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.54kg) per package- see RQ Table
	Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, ee Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc							_	
P	Potassium dithionite or Potassium hydrosulfite	4.2	UN1929	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground

(1) Potas Potas	Hazardous materials descriptions and proper shipping names (2)	Hazard class or Division	Identifi- cation						
tools (1) Potas Potas									
Potas Potas	(2)	DIVISION	Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
Potas Potas		(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
Potas						()			Accepted only when packaged under applicable
	ssium fluoride, solid	6.1	UN1812	ш	POISON**		153	213	special permit or 49CFR 173.13
Potas	ssium fluoride, solution	6.1	UN3422	Ш	POISON**		153	203	
	ssium fluoroacetate	6.1	UN2628	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium fluorosilicate	6.1	UN2655	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium hydrate, see Potassium hydroxide, solid								
Potas	ssium hydrogendifluoride solid	8	UN1811	п	CORROSIVE, POISON**	N3, N34	154	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium hydrogendifluoride solution	8	UN3421	п	CORROSIVE, POISON**	N3, N34	154	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium hydrogendifluoride solution	8	UN3421	ш	CORROSIVE, POISON**	N3, N34	154	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium hydrogen fluoride, see Potassium hydrogen difluoride								
	ssium hydrogen fluoride solution, see Corrosive liquid, n.o.s.								
	ssium hydrogen sulfate	8	UN2509	Π	CORROSIVE	N34	154	212	
Potas	ssium hydrosulfite, see Potassium dithionite								
Potas	ssium hydroxide, liquid, see Potassium hydroxide solution								
Potas	ssium hydroxide, solid	8	UN1813	Π	CORROSIVE		154	212	
	ssium hydroxide, solution	8	UN1814	Π	CORROSIVE		154	202	
Potas	ssium hydroxide, solution	8	UN1814	Ш	CORROSIVE		154	203	
Potas	ssium hypochlorite, solution, see Hypochlorite solutions, etc.								
Potas	ssium, metal alloys, liquid	4.3	UN1420	I	DANGEROUS WHEN WET**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium, metal alloys, solid	4.3	UN3403	I	DANGEROUS WHEN WET**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.								
Potas	ssium metavanadate	6.1	UN2864	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Potas	ssium monoxide	8	UN2033	Π	CORROSIVE		154	212	
Potas	ssium nitrate	5.1	UN1486	ш	OXIDIZER		152	213	
Potas	ssium nitrate and sodium nitrite mixtures	5.1	UN1487	Π	OXIDIZER		152	212	
Potas	ssium nitrite	5.1	UN1488	Π	OXIDIZER		152	212	
	ssium perchlorate	5.1	UN1489	П	OXIDIZER		152	212	
	ssium permanganate	5.1	UN1490	П	OXIDIZER		152	212	
	ssium peroxide	5.1	UN1491	Ι	OXIDIZER	N34	None	211	
Potas	ssium persulfate	5.1	UN1492	ш	OXIDIZER		152	213	A second and a sub-sub-sub-sub-sub-sub-sub-sub-sub-sub-
	ssium phosphide	4.3 (6.1)	UN2012	I	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	ssium selenate, see Selenates or Selenites								
Potas	ssium selenite, see Selenates or Selenites								
Potas	ssium sodium alloys, liquids	4.3	UN1422	I	DANGEROUS WHEN WET**	N34, N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	ssium sodium alloys, solid	4.3	UN3404	I	DANGEROUS WHEN WET**	N34, N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
perce	ssium sulfide, anhydrous or Potassium sulfide with less than 30 ent water of crystallization	4.2	UN1382	п	SPONTANEOUSLY COMBUSTIBLE	N34	None	212	Not Accepted by FedEx Ground
	ssium sulfide, hydrated with not less than 30 percent water of allization	8	UN1847	п	CORROSIVE		154	212	
	ssium superoxide	5.1	UN2466	Ι	OXIDIZER		None	211	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Powder cake, wetted</b> or <b>Powder paste, wetted</b> with not less than 17 percent alcohol by mass	1.1C	UN0433	п	EXPLOSIVE 1.1C		None	62	Not Accepted by FedEx Ground
	<b>Powder cake, wetted</b> or <b>Powder paste, wetted</b> with not less than 25 percent water, by mass	1.3C	UN0159	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Powder paste, see Powder cake, etc.								
	Powder, smokeless	1.1C	UN0160	Π	EXPLOSIVE 1.1C		None	62	Not Accepted by FedEx Ground
	Powder, smokeless	1.3C	UN0161	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Power device, explosive, see Cartridges, power device								
	Primers, cap type	1.45	UN0044	п	NONE		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Primers, cap type	1.1B	UN0377	П	EXPLOSIVE 1.1B		None	62	Not Accepted by FedEx Ground
	Primers, cap type	1.4B	UN0378	п	EXPLOSIVE 1.4B		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Primers, small arms, see Primers, cap type								
	Primers, tubular	1.3G	UN0319	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Primers, tubular	1.4G	UN0320	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Primers, tubular	1.48	UN0376	п	NONE		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	3	UN1210	I	FLAMMABLE LIQUID		150	173	
	<b>Printing ink</b> , flammable or <b>Printing ink related material</b> (including printing ink thinning or reducing compound), flammable	3	UN1210	п	FLAMMABLE LIQUID		150	173	
	<b>Printing ink</b> , flammable or <b>Printing ink related material</b> (including printing ink thinning or reducing compound), flammable	3	UN1210	ш	FLAMMABLE LIQUID		150	173	
	Projectiles, illuminating, see Ammunition, illuminating, etc.								
	Projectiles, inert with tracer	1.45	UN0345	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Projectiles, inert, with tracer	1.3G	UN0424	Π	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Projectiles, inert, with tracer	1.4G	UN0425	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Projectiles, with burster or expelling charge	1.2D	UN0346	Π	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Projectiles, with burster or expelling charge	1.4D	UN0347	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Projectiles, with burster or expelling charge	1.2F	UN0426	Π	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	<b>Projectiles</b> , with burster or expelling charge	1.4F	UN0427	п	EXPLOSIVE 1.4F		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Projectiles, with burster or expelling charge	1.2G	UN0434	Π	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
	Projectiles, with burster or expelling charge	1.4G	UN0435	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Projectiles, with bursting charge	1.1F	UN0167	П	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Projectiles, with bursting charge	1.1D	UN0168	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground

# FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Projectiles, with bursting charge	1.2D	UN0169	Π	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	<b>Projectiles</b> , with bursting charge	1.2F	UN0324	Π	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	Projectiles, with bursting charge	1.4D	UN0344	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized								
	Propadiene, stabilized	2.1	UN2200		FLAMMABLE GAS		None	304	
		2.1	UN1978		FLAMMABLE GAS	19	306	304	
	Propane see also Petroleum gases, liquefied	3	UN1978 UN2402	п	FLAMMABLE GAS	19	150	202	
	Propanethiols				-				
	n-Propanol or Propyl alcohol, normal	3	UN1274	П	FLAMMABLE LIQUID		150	202	
	n-Propanol or Propyl alcohol, normal	3	UN1274	III	FLAMMABLE LIQUID		150	203	
	Propellant, liquid	1.3C	UN0495	Π	EXPLOSIVE 1.3C	37	None	62	Not Accepted by FedEx Ground
	Propellant, liquid	1.1C	UN0497	Π	EXPLOSIVE 1.1C	37	None	62	Not Accepted by FedEx Ground
	Propellant, solid	1.4C	UN0501		EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Propellant, solid	1.1C	UN0498	Π	EXPLOSIVE 1.1C		None	62	Not Accepted by FedEx Ground
	Propellant, solid	1.3C	UN0499	Π	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Propionaldehyde	3	UN1275	Π	FLAMMABLE LIQUID		150	202	
	Propionic acid	8	UN1848	III	CORROSIVE		154	203	
	Propionic anhydride	8	UN2496	III	CORROSIVE		154	203	
	Propionitrile	3 (6.1)	UN2404	п	FLAMMABLE LIQUID, POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Propionyl chloride	3 (8)	UN1815	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	n-Propyl acetate	3	UN1276	Π	FLAMMABLE LIQUID		150	202	
	Propyl alcohol, see Propanol								
	Propylamine	3 (8)	UN1277	Π	FLAMMABLE LIQUID, CORROSIVE	N34	150	202	
	n-Propyl benzene	3	UN2364	III	FLAMMABLE LIQUID		150	203	
	Propyl chloride see 1-Chloropropane								
	n-Propyl chloroformate	6.1 (3, 8)	UN2740	I	POISON, FLAMMABLE LIQUID, CORROSIVE	2, N34	None	227	Not Accepted by FedEx Ground
	Propylene chlorohydrin	6.1 (3)	UN2611	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Propyleneimine, stabilized	3 (6.1)	UN1921	I	FLAMMABLE LIQUID, POISON**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Propylene oxide	3	UN1280	Ι	FLAMMABLE LIQUID	N34	None	201	
	Propylene see also Petroleum gases, liquefied	2.1	UN1077		FLAMMABLE GAS	19	306	304	
	Propylene tetramer	3	UN2850	ш	FLAMMABLE LIQUID		150	203	
	Propyl formates	3	UN1281	Π	FLAMMABLE LIQUID		150	202	
	n-Propyl isocyanate	6.1	UN2482	Ι	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground
	Propyl mercaptan, see <b>Propanethiols</b>								
	n-Propyl nitrate	3	UN1865	П	FLAMMABLE LIQUID		150	202	
	Propyltrichlorosilane	8 (3)	UN1816	Π	CORROSIVE, FLAMMABLE LIQUID	N34	None	202	
	Prussic acid, see Hydrogen cyanide								
	<b>Pyrethroid pesticide, liquid, flammable, toxic</b> , flashpoint less than 23 degrees C	3 (6.1)	UN3350	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Pyrethroid pesticide, liquid, flammable, toxic</b> , <i>flashpoint less than 23 degrees C</i>	3 (6.1)	UN3350	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Pyrethroid pesticide, liquid, toxic	6.1	UN3352	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Pyrethroid pesticide, liquid, toxic	6.1	UN3352	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Pyrethroid pesticide, liquid, toxic	6.1	UN3352	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Pyrethroid pesticide, liquid, flammable, toxic</b> , <i>flashpoint not less than</i> 23 degrees C	6.1	UN3351	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Pyrethroid pesticide, liquid, flammable, toxic</b> , flashpoint not less than 23 degrees C	6.1	UN3351	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Pyrethroid pesticide, liquid, flammable, toxic</b> , flashpoint not less than 23 degrees C	6.1	UN3351	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Pyrethroid pesticide, solid, toxic	6.1	UN3349	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Pyrethroid pesticide, solid, toxic	6.1	UN3349	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Pyrethroid pesticide, solid, toxic	6.1	UN3349	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Pyridine	3	UN1282	Π	FLAMMABLE LIQUID		None	202	
	Pyridine perchlorate	Forbid- den							
G	Pyrophoric liquid, inorganic, n.o.s.	4.2	UN3194	Ι	SPONTANEOUSLY COMBUSTIBLE		None	181	Not Accepted by FedEx Ground
	Pyrophoric liquids, organic, n.o.s.	4.2	UN2845	Ι	SPONTANEOUSLY COMBUSTIBLE		None	181	Not Accepted by FedEx Ground
G	Pyrophoric metals, n.o.s. or Pyrophoric alloys, n.o.s.	4.2	UN1383	Ι	SPONTANEOUSLY COMBUSTIBLE		None	187	Not Accepted by FedEx Ground
G	Pyrophoric solid, inorganic, n.o.s.	4.2	UN3200	Ι	SPONTANEOUSLY COMBUSTIBLE		None	187	Not Accepted by FedEx Ground
G	Pyrophoric solids, organic, n.o.s.	4.2	UN2846	Ι	SPONTANEOUSLY COMBUSTIBLE		None	187	Not Accepted by FedEx Ground
	Pyrosulfuryl chloride	8	UN1817	Π	CORROSIVE		154	202	
	Pyroxylin solution or solvent, see Nitrocellulose								
	Pyrrolidine	3 (8)	UN1922	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Quebrachitol pentanitrate	Forbid- den							
	Quicklime, see Calcium oxide								
	Quinoline	6.1	UN2656	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	R 114, see Dichlorotetrafluoroethane								
	R 115, see Chloropentafluoroethane								
	R 116, see Hexafluoroethane								
	R 124, see Chlorotetrafluoroethane								
	R 12B1, see Chlorodifluorobromomethane								
	R 12, see Dichlorodifluoromethane								
	R 133a, see Chlorotrifluoroethane								
	R 13B1, see Bromotrifluoromethane								
	R 13, see Chlorotrifluoromethane								
	R 14, see Tetrafluoromethane								
	R 152a, see Difluoroethane								
	R 21, see Dichlorofluoromethane								
	R 22, see Chlorodifluoromethane								
	R 500, see Dichlorodifluoromethane and difluorethane, etc.								
	<i>R 502, see</i> Chlorodifluoromethane and chloropentafluoroethane mixture, <i>etc.</i>								
	<i>R</i> 503, see Chlorotrifluoromethane and trifluoromethane, etc.								
<u>ــــــ</u>	· · · · · · · · · · · · · · · · · · ·	•				•			I

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Radioactive material, excepted package-articles manufactured from natural uraniumor depleted uranium or natural thorium	7	UN2909		NONE**		422, 426	422, 426	See Radioactive section of this Guide
	Radioactive material, excepted package-empty packaging	7	UN2908		EMPTY**		422, 428	422, 428	See Radioactive section of this Guide
	Radioactive material, excepted package-instruments or articles	7	UN2911		NONE**		422, 424	422, 424	See Radioactive section of this Guide
	Radioactive material, excepted package-limited quantity of material	7	UN2910		NONE**		421, 422	421, 422	See Radioactive section of this Guide
	Radioactive material, low specific activity (LSA-III) <i>non fissle or fissile excepted</i>	7	UN3322		RADIOACTIVE WHITE I**		421, 422, 428	427	See Radioactive section of this Guide
	Radioactive material, low specific activity (LSA-II) <i>non fissle or fissile-excepted</i>	7	UN3321		RADIOACTIVE WHITE I**		421, 422, 428	427	See Radioactive section of this Guide
	Radioactive material, low specific activity (LSA-I) <i>non fissle or fissile-excepted</i>	7	UN2912		RADIOACTIVE WHITE I**		421, 422, 428	427	See Radioactive section of this Guide
	Radioactive material, surface contaminated objects (SCO-I or SCO-II) non fissile or fissile-excepted	7	UN2913		RADIOACTIVE WHITE I**		421, 422, 428	427	See Radioactive section of this Guide
	Radioactive material, transported under special arrangement, fissile	7	UN3331		RADIOACTIVE	139			Not Accepted by FedEx Ground
	Radioactive material, transported under special arrangement, non fissle or fissle excepted	7	UN2919		RADIOACTIVE	139			Not Accepted by FedEx Ground
	Radioactive material, Type A package, fissle non-special form	7	UN3327		RADIOACTIVE		453	417	Not Accepted by FedEx Ground
	Radioactive material, Type A package, non-special form, non fissile or fissile-excepted	7	UN2915		RADIOACTIVE WHITE I**			415, 418	See Radioactive section of this Guide
	Radioactive material, Type A package, special form, fissle	7	UN3333		RADIOACTIVE		453	417, 476	Not Accepted by FedEx Ground
	Radioactive material, Type A package special form non fissile or fissile- excepted	7	UN3332		RADIOACTIVE WHITE I**			415, 476	See Radioactive section of this Guide
	Radioactive material, Type B(M) package, fissile	7	UN3329		RADIOACTIVE		453	417	Not Accepted by FedEx Ground
	Radioactive material, Type B(M) package non fissile or fissile-excepted	7	UN2917		RADIOACTIVE			416	Not Accepted by FedEx Ground
	Radioactive material, Type B(U) package, fissile	7	UN3328		RADIOACTIVE		453	417	Not Accepted by FedEx Ground
	Radioactive material, Type B(U) package non fissile or fissile-excepted	7	UN2916		RADIOACTIVE			416	Not Accepted by FedEx Ground
Ι	Radioactive material, uranium hexafluoride, fissile	7 (8)	UN2977		RADIOACTIVE,CORROSIVE		453	417, 420	Not Accepted by FedEx Ground
	Radioactive material, uranium hexafluoride non fissile or fissile- excepted	7 (8)	UN2978		RADIOACTIVE,CORROSIVE				Not Accepted by FedEx Ground
A W	Rags, oily	4.2	UN1856	ш	SPONTANEOUSLY COMBUSTIBLE		151	213	Not Accepted by FedEx Ground
	Railway torpedo, see Signals, railway track, explosive								
	Rare gases and nitrogen mixtures, compressed	2.2	UN1981		NONFLAMMABLE GAS		306	302	
	Rare gases and oxygen mixtures, compressed	2.2	UN1980		NONFLAMMABLE GAS	79	306	302	
	Rare gases, mixtures, compressed	2.2	UN1979		NONFLAMMABLE GAS		306	302	
	RC 318, see Octafluorocyclobutane								
	RDX and cyclotetramethylenetetranitramine, wetted <i>or</i> desensitized								
	see RDX and HMX mixtures, wetted or desensitized								
	<b>RDX and HMX mixtures, wetted</b> with not less than 15 percent water by mass or <b>RDX and HMX mixtures, desensitized</b> with not less than 10 percent phlegmatizer by mass	1.1D	UN0391	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	RDX and Octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.								
	<i>RDX, see</i> Cyclotrimethylene trinitramine, <i>etc.</i>								
·	, <u> </u>			•	<u> </u>		• •		

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Receptacles, small, containing gas (gas cartridges) flammable, without	(3)		(3)	(0)	(7)	(0A)	(00)	
	release device, not refillable and not exceeding 1 L capacity	2.1	UN2037		FLAMMABLE GAS		306	304	
	Receptacles, small, containing gas (gas cartridges) non-flammable,								
	without release device, not refillable and not exceeding 1 L capacity	2.2	UN2037		NONFLAMMABLE GAS		306	304	
	<b>Receptacles, small, containing gas (gas cartridges)</b> non-flammable,								
	without release device, not refillable and not exceeding 1 L capacity	2.2 (5.1)	UN2037		NONFLAMMABLE GAS, OXIDIZER		306	304	
-	Red phosphorus, see Phosphorus, amorphous								
	Refrigerant gases, n.o.s.	2.2	UN1078		NONFLAMMABLE GAS		306	304	
D	Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954		FLAMMABLE GAS		306	306	
	Refrigerant gas R 404A	2.2	UN3337		NONFLAMMABLE GAS		306	304	
	Refrigerant gas R 407A	2.2	UN3338		NONFLAMMABLE GAS		306	304	
	Refrigerant gas R 407B	2.2	UN3339		NONFLAMMABLE GAS		306	304	
	Refrigerant gas R 407C	2.2	UN3340		NONFLAMMABLE GAS		306	304	
	Refrigerating machines, containing flammable, non-toxic, liquefied gas	2.1	UN3358		FLAMMABLE GAS		306	306	
	<b>Refrigerating machines</b> , containing non-flammble, non-toxic, or ammonia solution (UN2672)	2.2	UN2857		NONFLAMMABLE GAS		306, 307	306	
	Regulated medical waste	6.2	UN3291	Π	INFECTIOUS SUBSTANCE		134	197	Not Accepted by FedEx Ground
	Release devices, explosive	1.48	UN0173	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Resin solution, flammable	3	UN1866	Ι	FLAMMABLE LIQUID		150	201	
	Resin solution, flammable	3	UN1866	Π	FLAMMABLE LIQUID		150	173	
	Resin solution, flammable	3	UN1866	ш	FLAMMABLE LIQUID		150	173	
	Resorcinol	6.1	UN2876	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Rifle grenade, see Grenades, hand or rifle, etc.								
	<i>Rifle powder, see</i> <b>Powder, smokeless</b> (UN 0160) <b>Rivets, explosive</b>	1.45	UN0174	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Road asphalt or tar liquid, see Tars, liquid, etc.								í.
	Rocket motors	1.3C	UN0186	Π	EXPLOSIVE 1.3C	109	None	62	Not Accepted by FedEx Ground
	Rocket motors	1.1C	UN0280	Π	EXPLOSIVE 1.1C	109	None	62	Not Accepted by FedEx Ground
	Rocket motors	1.2C	UN0281	Π	EXPLOSIVE 1.2C	109	None	62	Not Accepted by FedEx Ground
	Rocket motors, liquid fueled	1.2J	UN0395	П	EXPLOSIVE 1.2J	109	None	62	Not Accepted by FedEx Ground
	Rocket motors, liquid fueled	1.3J	UN0396	Π	EXPLOSIVE 1.3J	109	None	62	Not Accepted by FedEx Ground
	Rocket motors with hypergolic liquids with or without an expelling charge	1.3L	UN0250	п	EXPLOSIVE 1.3L	109	None	62	Not Accepted by FedEx Ground
	Rocket motors with hypergolic liquids with or without an expelling charge	1.2L	UN0322	п	EXPLOSIVE 1.2L	109	None	62	Not Accepted by FedEx Ground
	Rockets, line-throwing	1.2G	UN0238	п	EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
	Rockets, line-throwing	1.3G	UN0240	П	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Rockets, line-throwing	1.4G	UN0453	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
10	Rockets, liquid fueled with bursting charge	1.1J	UN0397	Π	EXPLOSIVE 1.1J		None	62	Not Accepted by FedEx Ground
	Rochers, inquira fuelea with our string entange								

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Rockets, with bursting charge	1.1E	UN0181	Π	EXPLOSIVE 1.1E		None	62	Not Accepted by FedEx Ground
	Rockets, with bursting charge	1.2E	UN0182	Π	EXPLOSIVE 1.2E		None	62	Not Accepted by FedEx Ground
	Rockets, with bursting charge	1.2F	UN0295	п	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	Rockets, with bursting charge	1.1F	UN0180	П	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Rockets, with expelling charge	1.2C	UN0436	П	EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
	Rockets, with expelling charge	1.3C	UN0437	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Rockets, with expelling charge	1.4C	UN0438	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Rockets, with inert head	1.3C	UN0183	П	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Rockets, with inert head	1.2C	UN0502		EXPLOSIVE 1.2C		None	62	Not Accepted by FedEx Ground
	Rosin oil	3	UN1286	Π	FLAMMABLE LIQUID		150	202	
	Rosin oil	3	UN1286	Ш	FLAMMABLE LIQUID		150	203	
	<b>Rubber scrap</b> or <b>shoddy</b> , powdered or granulated, not exceeding 840 microns and rubber contend exceeding 45%	4.1	UN1345	п	FLAMMABLE SOLID		151	212	
	Rubber solution	3	UN1287	П	FLAMMABLE LIQUID	149	150	202	
	Rubber solution	3	UN1287	ш	FLAMMABLE LIQUID		150	203	
	Rubidium	4.3	UN1423	I	DANGEROUS WHEN WET**	22, N34, N40, N45	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Rubidium hydroxide	8	UN2678	Π	CORROSIVE		154	212	
	Rubidium hydroxide solution	8	UN2677	Π	CORROSIVE		154	202	
	Rubidium hydroxide solution	8	UN2677	ш	CORROSIVE		154	203	
	Safety fuse, see Fuse, safety								
G	Samples, explosive, other than initiating explosives		UN0190	Π	NONE	113	None	62	Not Accepted by FedEx Ground
	Sand acid, see Fluorosilicic acid								
	Seed cake, containing vegetable oil solvent extractions and expelled seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined.	4.2	UN1386	ш	NONE	N7	None	213	Not Accepted by FedEx Ground
Ι	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture	4.2	UN1386	ш	NONE	N7	None	213	Not Accepted by FedEx Ground
Ι	Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture	4.2	UN2217	ш	NONE	N7	None	213	Not Accepted by FedEx Ground
	Selenates or Selenites	6.1	UN2630	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Selenic acid	8	UN1905	Ι	CORROSIVE	N34	None	211	
	Selenium compound, liquid, n.o.s.	6.1	UN3440	Ι	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Selenium compound, liquid, n.o.s.	6.1	UN3440	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Selenium compound, liquid, n.o.s.	6.1	UN3440	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Selenium compound, solid, n.o.s.	6.1	UN3283	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Selenium compound, solid, n.o.s.	6.1	UN3283	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Selenium compound, solid, n.o.s.	6.1	UN3283	ш	POISON**		153	2123	special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Selenium disulfide	6.1	UN2657	П	POISON**		153	212	special permit or 49CFR 173.13

# FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Selenium hexafluoride	2.3 (8)	UN2194		POISON GAS, CORROSIVE	1	None	302	Not Accepted by FedEx Ground
	Selenium nitride	Forbid- den							
	Self-defense spray, aerosol, see Aerosols,etc.								
+AD	Self-defense spray, non-pressurized	9	NA3334	ш			155	203	
G	Self-heating liquid, corrosive, inorganic, n.o.s.	4.2 (8)	UN3188	п	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE		None	202	Not Accepted by FedEx Ground
G	Self-heating liquid, corrosive, inorganic, n.o.s.	4.2 (8)	UN3188	ш	CORROSIVE		None	203	Not Accepted by FedEx Ground
G	Self-heating liquid, corrosive, organic, n.o.s.	4.2 (8)	UN3185	п	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE		None	202	Not Accepted by FedEx Ground
G	Self-heating liquid, corrosive, organic, n.o.s.	4.2 (8)	UN3185	ш	CORROSIVE		None	203	Not Accepted by FedEx Ground
G	Self-heating liquid, inorganic, n.o.s.	4.2	UN3186	п			None	202	Not Accepted by FedEx Ground
G	Self-heating liquid, inorganic, n.o.s.	4.2	UN3186	ш			None	203	Not Accepted by FedEx Ground
G	Self-heating liquid, organic, n.o.s.	4.2	UN3183	П			None	202	Not Accepted by FedEx Ground
G	Self-heating liquid, organic, n.o.s.	4.2	UN3183	III	SPONTANEOUSLY COMBUSTIBLE		None	203	Not Accepted by FedEx Ground
G	Self-heating liquid, toxic, inorganic, n.o.s.	4.2 (6.1)	UN3187	п	SPONTANEOUSLY COMBUSTIBLE, POISON		None	202	Not Accepted by FedEx Ground
G	Self-heating liquid, toxic, inorganic, n.o.s.	4.2 (6.1)	UN3187	ш	SPONTANEOUSLY COMBUSTIBLE, POISON		None	203	Not Accepted by FedEx Ground
G	Self-heating liquid, toxic, organic, n.o.s.	4.2 (6.1)	UN3184	п	SPONTANEOUSLY COMBUSTIBLE, POISON		None	202	Not Accepted by FedEx Ground
G	Self-heating liquid, toxic, organic, n.o.s.	4.2 (6.1)	UN3184	ш	····· ··· ··· ··· ··· ··· ··· ··· ···		None	203	Not Accepted by FedEx Ground
G	Self-heating solid, corrosive, inorganic, n.o.s.	4.2 (8)	UN3192	п	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE		None	212	Not Accepted by FedEx Ground
G	Self-heating solid, corrosive, inorganic, n.o.s.	4.2 (8)	UN3192	ш	CORROSIVE		None	213	Not Accepted by FedEx Ground
G	Self-heating, solid, corrosive, organic, n.o.s.	4.2 (8)	UN3126	п	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE		None	212	Not Accepted by FedEx Ground
	Self-heating, solid, corrosive, organic, n.o.s.	4.2 (8)	UN3126	ш	CORROSIVE		None	213	Not Accepted by FedEx Ground
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	п			None	212	Not Accepted by FedEx Ground
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	ш			None	213	Not Accepted by FedEx Ground
G	Self-heating, solid, organic, n.o.s.	4.2	UN3088	П	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Self-heating, solid, organic, n.o.s.	4.2	UN3088	Ш	SPONTANEOUSLY COMBUSTIBLE SPONTANEOUSLY COMBUSTIBLE,		None	213	Not Accepted by FedEx Ground
G	Self-heating, solid, oxidizing, n.o.s.	4.2 (5.1)	UN3127		OXIDIZER		None	214	Not Accepted by FedEx Ground
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2 (6.1)	UN3191	п	SPONTANEOUSLY COMBUSTIBLE, POISON		None	212	Not Accepted by FedEx Ground
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2 (6.1)	UN3191	ш	SPONTANEOUSLY COMBUSTIBLE, POISON		None	213	Not Accepted by FedEx Ground
G	Self-heating, solid, toxic, organic, n.o.s.	4.2 (6.1)	UN3128	п	SPONTANEOUSLY COMBUSTIBLE, POISON		None	212	Not Accepted by FedEx Ground
G	Self-heating, solid, toxic, organic, n.o.s.	4.2 (6.1)	UN3128	ш	SPONTANEOUSLY COMBUSTIBLE, POISON		None	213	Not Accepted by FedEx Ground
	Self-propelled vehicle, see Engines or Batteries etc.								
	Self-reactive liquid type B	4.1	UN3221	п		53	None	224	Not Accepted by FedEx Ground
	Self-reactive liquid type B, temperature controlled	4.1	UN3231	П		53	None	224	Not Accepted by FedEx Ground
G	Self-reactive liquid type C	4.1	UN3223	п			None	224	
	Self-reactive liquid type C, temperature controlled	4.1	UN3233	П			None	224	Not Accepted by FedEx Ground
G	Self-reactive liquid type D	4.1	UN3225	П	FLAMMABLE SOLID		None	224	

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

## FedEx Ground Hazardous Materials Table

SymbolsHazardous materials descriptions and proper shipping namesHazard class or DivisionIdentification NumbersPGLabel codes(1)(2)(3)(4)(5)(6)GSelf-reactive liquid type D, temperature controlled4.1UN3235IIFLAMMABLE SOLIIGSelf-reactive liquid type E, temperature controlled4.1UN3237IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3237IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled	D     Image: Constraint of the second s	Exceptions (8A) (8A) None None None None None None None None	NonBulk (8B) 224 224 224 224 224 224 224 224 224 22	FedEx Ground Restrictions         (9)         Not Accepted by FedEx Ground         Not Accepted by FedEx Ground
GSelf-reactive liquid type D, temperature controlled4.1UN3235IIFLAMMABLE SOLIIGSelf-reactive liquid type E4.1UN3227IIFLAMMABLE SOLIIGSelf-reactive liquid type E, temperature controlled4.1UN3237IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3229IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3229IIFLAMMABLE SOLIIGSelf-reactive solid type B4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reacti	D     Image: Constraint of the second s	None           None	224 224 224 224 224 224 224 224 224 224	Not Accepted by FedEx Ground
GSelf-reactive liquid type E4.1UN3227IIFLAMMABLE SOLIIGSelf-reactive liquid type E, temperature controlled4.1UN3237IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMAB	D     Image: Constraint of the second s	None	224 224 224 224 224 224 224 224 224 224	Not Accepted by FedEx Ground
GSelf-reactive liquid type E, temperature controlled4.1UN3237IIFLAMMABLE SOLIIGSelf-reactive liquid type F4.1UN3229IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive solid type B4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLII <td< td=""><td>D    </td><td>None           None           None</td><td>224 224 224 224 224 224 224 224 224 224</td><td>Not Accepted by FedEx Ground Not Accepted by FedEx Ground Not Accepted by FedEx Ground</td></td<>	D	None	224 224 224 224 224 224 224 224 224 224	Not Accepted by FedEx Ground Not Accepted by FedEx Ground Not Accepted by FedEx Ground
GSelf-reactive liquid type F4.1UN3229IIFLAMMABLE SOLIIGSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive solid type B4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3226IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled3UN1288IFLAMMABLE SO	D     53       D     53       D     53       D     53       D     0       D     0       D     0       D     0       D     0       D     0       D     0       D     0       D     0       D     0       D     0	None	224 224 224 224 224 224 224 224 224 224	Not Accepted by FedEx Ground Not Accepted by FedEx Ground Not Accepted by FedEx Ground
GSelf-reactive liquid type F, temperature controlled4.1UN3239IIFLAMMABLE SOLIIGSelf-reactive solid type B4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type C4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D4.1UN3226IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled3UN1288IIFLAMMABLE LIQUISha	D     53	None	224 224 224 224 224 224 224 224 224 224	Not Accepted by FedEx Ground Not Accepted by FedEx Ground
GSelf-reactive solid type B4.1UN3222IIFLAMMABLE SOLIIGSelf-reactive solid type B, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type C4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3226IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled3UN1288IFLAMMABLE SOLIIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288II	D     53	None	224 224 224 224 224 224 224 224 224	Not Accepted by FedEx Ground Not Accepted by FedEx Ground
GSelf-reactive solid type B, temperature controlled4.1UN3232IIFLAMMABLE SOLIIGSelf-reactive solid type C4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled3UN1288IFLAMMABLE SOLIIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288II	D     53       D	None None None None None None None None	224 224 224 224 224 224 224	Not Accepted by FedEx Ground
GSelf-reactive solid type C4.1UN3224IIFLAMMABLE SOLIIGSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D4.1UN3226IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled3UN1288IFLAMMABLE SOLIIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288II	D	None None None None None	224 224 224 224 224 224	Not Accepted by FedEx Ground
GSelf-reactive solid type C, temperature controlled4.1UN3234IIFLAMMABLE SOLIIGSelf-reactive solid type D4.1UN3226IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled3UN1288IFLAMMABLE SOLIIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288II	D	None None None None	224 224 224 224 224	
GSelf-reactive solid type D4.1UN3226IIFLAMMABLE SOLIIGSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E4.1UN3228IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIShale oil3UN1288IFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUI	D	None None None None	224 224 224	
GSelf-reactive solid type D, temperature controlled4.1UN3236IIFLAMMABLE SOLIIGSelf-reactive solid type E4.1UN3228IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIShale oil3UN1288IFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUI	D S S S S S S S S S S S S S S S S S S S	None None None	224 224	Not Accepted by FedEx Ground
GSelf-reactive solid type E4.1UN3228IIFLAMMABLE SOLIIGSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIShale oil3UN1288IFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUI	D Constant C	None None	224	Not Accepted by FedEx Ground
GSelf-reactive solid type E, temperature controlled4.1UN3238IIFLAMMABLE SOLIIGSelf-reactive solid type F4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIShale oil3UN1288IFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUI	D D D D D D D D D D D D D D D D D D D	None		
GSelf-reactive solid type F4.1UN3230IIFLAMMABLE SOLIIGSelf-reactive solid type F, temperature controlled4.1UN3240IIFLAMMABLE SOLIIShale oil3UN1288IFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUIShale oil3UN1288IIFLAMMABLE LIQUI	D D		224	
G       Self-reactive solid type F, temperature controlled       4.1       UN3240       II       FLAMMABLE SOLII         Shale oil       3       UN1288       I       FLAMMABLE LIQUI         Shale oil       3       UN1288       II       FLAMMABLE LIQUI         Shale oil       3       UN1288       II       FLAMMABLE LIQUI         Shale oil       3       UN1288       III       FLAMMABLE LIQUI	D	None	224	Not Accepted by FedEx Ground
Shale oil     3     UN1288     I     FLAMMABLE LIQUI       Shale oil     3     UN1288     II     FLAMMABLE LIQUI       Shale oil     3     UN1288     II     FLAMMABLE LIQUI		rone	224	
Shale oil         3         UN1288         II         FLAMMABLE LIQUI           Shale oil         3         UN1288         III         FLAMMABLE LIQUI	D	None	224	Not Accepted by FedEx Ground
Shale oil   3   UN1288   III   FLAMMABLE LIQUI	D	None	201	
	D	150	202	
Shaped charges, commercial, see Charges, shaped, etc.	D	150	203	
Signal devices, hand     1.4G     UN0191     II     EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Signal devices, hand     1.48     UN0373     II     EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Signals, distress, ship         1.1G         UN0194         II         EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
Signals, distress, ship         1.3G         UN0195         II         EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
Signals, highway, see Signal devices, hand				
Signals, railway track, explosive         1.1G         UN0192         II         EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
Signals, railway track, explosive1.4SUN0193IIEXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Signals, railway track, explosive         1.3G         UN0492         EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
Signals, railway track, explosive1.4GUN0493EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Signals, ship distress, water-activated, see Contrivances, water- activated, etc.				
Signals, smoke     1.4G     UN0197     II     EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
Signals, smoke     1.2G     UN0313     II     EXPLOSIVE 1.2G		None	62	Not Accepted by FedEx Ground
Signals, smoke     1.3G     UN0487     II     EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
Signals, smoke         1.1G         UN0196         II         EXPLOSIVE 1.1G		None	62	Not Accepted by FedEx Ground
Silane, compressed 2.1 UN2203 FLAMMABLE GAS		None	302	
Silicofluoric acid, see Fluorosilicic acid				
Silicon chloride, see Silicon tetrachloride				
Silicon powder, amorphous         4.1         UN1346         III         FLAMMABLE SOLII	D	None	213	
Silicon tetrachloride 8 UN1818 II CORROSIVE		154	202	

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Silicon tetrafluoride, compressed	2.3	UN1859		POISON GAS, CORROSIVE	2	None	302	Not Accepted by FedEx Ground
, in the second s	Silver acetylide (dry)	Forbid- den							
	Silver arsenite	6.1	UN1683	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Silver azide (dry)	Forbid- den							
	Silver chlorite (dry)	Forbid- den							
	Silver cyanide	6.1	UN1684	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
1	Silver fulminate (dry)	Forbid- den							
	Silver nitrate	5.1	UN1493	п	OXIDIZER**		152	212	Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Silver oxalate (dry)	Forbid- den							
	Silver picrate (dry)	Forbid- den							
	Silver picrate, wetted with not less than 30 percent water, by mass	4.1	UN1347	Ι	FLAMMABLE SOLID	23	None	211	
	Sludge, acid	8	UN1906	Π	CORROSIVE	N34	None	202	
	Smokeless powder for small arms (100 pounds or less)	4.1	NA3178	I	FLAMMABLE SOLID**	16	None	171	FedEx Ground cannot transport more than 100 lb. (45.4kg) per motor vehicle
	Soda lime with more than 4 percent sodium hydroxide	8	UN1907	Ш	CORROSIVE		154	213	
	Sodium	4.3	UN1428	I	DANGEROUS WHEN WET**	N34	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.45kg) per package- see RQ Table
1	Sodium aluminate, solid	8	UN2812	ш	CORROSIVE		154	213	
1	Sodium aluminate, solution	8	UN1819	Π	CORROSIVE		154	202	
	Sodium aluminate, solution	8	UN1819	ш	CORROSIVE		154	203	
	Sodium aluminum hydride	4.3	UN2835	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium ammonium vanadate	6.1	UN2863	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium arsanilate	6.1	UN2473	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
}	Sodium arsenate	6.1	UN1685	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Sodium arsenite, aqueous solutions	6.1	UN1686	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
:	Sodium arsenite, aqueous solutions	6.1	UN1686	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Sodium arsenite, solid	6.1	UN2027	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 1 lb. (0.454kg) per package- see RQ Table
	Sodium azide	6.1	UN1687	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium bifluoride, see Sodium hydrogendifluoride								
	Sodium bigluoride, see Sodium nyurogenamuoride			-					

# FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Sodium borohydride	4.3	UN1426	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Sodium borohydride and sodium hydroxide solution</b> , with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass	8	UN3320	п	CORROSIVE	N34	154	202	
	<b>Sodium borohydride and sodium hydroxide solution</b> , with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass	8	UN3320	ш	CORROSIVE	N34	154	203	
	Sodium bromate	5.1	UN1494	П	OXIDIZER		152	212	
	Sodium cacodylate	6.1	UN1688	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium carbonate peroxyhydrate	5.1	UN3378	Π	OXIDIZER		152	212	
	Sodium chlorate	5.1	UN1495	Π	OXIDIZER	N34	152	212	
	Sodium chlorate, aqueous solution	5.1	UN2428	Π	OXIDIZER		152	202	
	Sodium chlorate, aqueous solution	5.1	UN2428	ш	OXIDIZER		152	203	
	Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C								
	Sodium chlorite	5.1	UN1496	Π	OXIDIZER	N34	None	212	· · · · · · · · · · · · · · · · · · ·
	Sodium chloroacetate	6.1	UN2659	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium cuprocyanide, solid	6.1	UN2316	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium cuprocyanide, solution	6.1	UN2317	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium cyanide, solid	6.1	UN1689	I	POISON**	N74, N75	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium cyanide, solution	6.1	UN3414	п	POISON**	N74, N75	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium cyanide, solution	6.1	UN3414	ш	POISON**	N74, N75	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc								
	<b>Sodium dinitro-o-cresolate</b> , dry or wetted with less than 15 percent water, by mass	1.3C	UN0234	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	<b>Sodium dinitro-o-cresolate,</b> <i>dry or wetted with not less than 10 percent water, by mass</i>	4.1	UN3369	I	FLAMMBABLE SOLID	N41, N84	None	211	
	<b>Sodium dinitro-o-cresolate, wetted</b> with not less than 15 percent water, by mass	4.1	UN1348	I	FLAMMABLE SOLID, POISON**	23, N41	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium dithionite or Sodium hydrosulfite	4.2	UN1384	П	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Sodium fluoride, solid	6.1	UN1690	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium fluoride, solution	6.1	UN3415	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium fluoroacetate	6.1	UN2629	Ι	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium fluorosilicate	6.1	UN2674	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium hydrate, see Sodium hydroxide, solid								
	Sodium hydride	4.3	UN1427	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium hydrogendifluoride	8	UN2439	Π	CORROSIVE	N3,N34	154	212	

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	п	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	п	CORROSIVE		154	212	
	Sodium hydrosulfite, see Sodium dithionite								
	Sodium hydroxide, solid	8	UN1823	Π	CORROSIVE		154	212	
	Sodium hydroxide solution	8	UN1824	Π	CORROSIVE	N34	154	202	
	Sodium hydroxide solution	8	UN1824	Ш	CORROSIVE	N34	154	203	
	Sodium hypochlorite, solution, see Hypochlorite solutions etc.								
	Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.								
	Sodium methylate	4.2 (8)	UN1431	п	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE		None	212	Not Accepted by FedEx Ground
	Sodium methylate solutions in alcohol	3 (8)	UN1289	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Sodium methylate solutions in alcohol	3 (8)	UN1289	III	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Sodium monoxide	8	UN1825	Π	CORROSIVE		154	212	
	Sodium nitrate	5.1	UN1498	III	OXIDIZER		152	213	
	Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	ш	OXIDIZER		152	213	
	Sodium nitrite	5.1 (6.1)	UN1500	ш	OXIDIZER, POISON**		152	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium pentachlorophenate	6.1	UN2567	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium perborate monohydrate	5.1	UN3377	Ш	OXIDIZER		152	213	
	Sodium perchlorate	5.1	UN1502	Π	OXIDIZER		152	212	
	Sodium permanganate	5.1	UN1503	Π	OXIDIZER		152	212	
	Sodium peroxide	5.1	UN1504	Ι	OXIDIZER	N34	None	211	
	Sodium peroxoborate, anhydrous	5.1	UN3247	П	OXIDIZER		152	212	
	Sodium persulfate	5.1	UN1505	Ш	OXIDIZER		152	213	
	Sodium phosphide	4.3 (6.1)	UN1432	I	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sodium picramate, dry or wetted with less than 20 percent water, by mass	1.3C	UN0235	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	Sodium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1349	I	FLAMMABLE SOLID	23, N41	None	211	
	Sodium picryl peroxide	Forbid- den							
	Sodium potassium alloys, see Potassium sodium alloys								
	Sodium selenate, see Selenates or Selenites								
	<b>Sodium sulfide, anhydrous</b> or <b>Sodium sulfide</b> with less than 30 percent water of crystallization	4.2	UN1385	п	SPONTANEOUSLY COMBUSTIBLE	N34	None	212	Not Accepted by FedEx Ground
	Sodium sulfide, hydrated with not less than 30 percent water	8	UN1849	Π	CORROSIVE		154	212	
	Sodium superoxide	5.1	UN2547	Ι	OXIDIZER	N34	None	211	
	Sodium tetranitride	Forbid- den							
G	Solids containing corrosive liquid, n.o.s.	8	UN3244	П	CORROSIVE	49	154	212	
G	Solids containing flammable liquid, n.o.s.	4.1	UN3175	Π	FLAMMABLE SOLID	47	151	212	
G	Solids containing toxic liquid, n.o.s.	6.1	UN3243	п	POISON**	48	153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sounding devices, explosive	1.2F	UN0204	Π	EXPLOSIVE 1.2F		None	62	Not Accepted by FedEx Ground
	Sounding devices, explosive	1.1F	UN0296	Π	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Sounding devices, explosive	1.1D	UN0374	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym-	Hazardous materials descriptions and proper shipping names	Hazard class or	Identifi- cation	PG	Label codes	Special	Exceptions	NonBulk	FedEx Ground Restrictions
bols	riazardous materiais descriptions and proper snipping names	Division	Numbers	гG	Laber codes	provisions	Exceptions	NOIDUIK	Feuex Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Sounding devices, explosive	1.2D	UN0375	Π	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Spirits of salt, see Hydrochloric acid								
	Squibs, see Igniters etc.								
	Stannic chloride, anhydrous	8	UN1827	Π	CORROSIVE		154	202	
	Stannic chloride, pentahydrate	8	UN2440	ш	CORROSIVE		154	213	
	Stannic phosphide	4.3 (6.1)	UN1433	I	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Steel swarf, see Ferrous metal borings, etc.								
	Stibine	2.3 (2.1)	UN2676		POISON GAS, FLAMMABLE GAS	1	None	304	Not Accepted by FedEx Ground
	Storage batteries, wet, see Batteries, wet etc.								
	Strontium arsenite	6.1	UN1691	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Strontium chlorate	5.1	UN1506	П	OXIDIZER	N34	152	212	
	Strontium nitrate	5.1	UN1507	Ш	OXIDIZER		152	213	
	Strontium perchlorate	5.1	UN1508	П	OXIDIZER		152	212	
	Strontium peroxide	5.1	UN1509	Π	OXIDIZER		152	212	
	Strontium phosphide	4.3 (6.1)	UN2013	I	DANGEROUS WHEN WET, POISON**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Strychnine or Strychnine salts	6.1	UN1692	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.45kg) per package- see RQ Table
	Styphnic acid, see Trinitroresorcinol, etc.								
	Styrene monomer, stabilized	3	UN2055	Ш	FLAMMABLE LIQUID		150	203	
G	Substances, explosive, n.o.s.	1.1L	UN0357	Π	EXPLOSIVE 1.1L	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.2L	UN0358	Π	EXPLOSIVE 1.2L	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.3L	UN0359	Π	EXPLOSIVE 1.3L	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.1A	UN0473	П	EXPLOSIVE 1.1A	101, 111	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.1C	UN0474	Π	EXPLOSIVE 1.1C	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.1D	UN0475	П	EXPLOSIVE 1.1D	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.1G	UN0476	Π	EXPLOSIVE 1.1G	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.3C	UN0477	Π	EXPLOSIVE 1.3C	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.3G	UN0478	Π	EXPLOSIVE 1.3G	101	None	62	Not Accepted by FedEx Ground
G	Substances, explosive, n.o.s.	1.4C	UN0479	п	EXPLOSIVE 1.4C	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Substances, explosive, n.o.s.	1.4D	UN0480	п	EXPLOSIVE 1.4D	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Substances, explosive, n.o.s.	1.48	UN0481	п	EXPLOSIVE 1.4S	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Substances, explosive, n.o.s.	1.4G	UN0485	п	EXPLOSIVE 1.4G	101	None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
G	Substances, explosive, very insensitive, n.o.s. or Substances, EVI n.o.s.	1.5D	UN0482	п	EXPLOSIVE 1.5D	101	None	62	Not Accepted by FedEx Ground
	<b>Substituted nitrophenol pesticides, liquid, flammable, toxic</b> , <i>flahspoint less than 23 degrees C</i>	3 (6.1)	UN2780	Ι	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Substituted nitrophenol pesticides, liquid, flammable, toxic</b> , <i>flahspoint less than 23 degrees C</i>	3	UN2780	п	FLAMMABLE LIQUID, POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3014	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3014	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3014	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Substituted nitrophenol pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3013	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Substituted nitrophenol pesticides, liquid, toxic, flammable</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3013	п	POISON, FLAMMABLE LIQUID**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Substituted nitrophenol pesticides, liquid, toxic, flammable</b> <i>flashpoint</i> <i>not less than 23 degrees C</i>	6.1 (3)	UN3013	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Sucrose octanitrate (dry)	Forbid- den							
	Sulfamic acid	8	UN2967	ш	CORROSIVE		154	213	
Ι	Sulfur	4.1	UN1350	Ш	FLAMMABLE SOLID	30	None	None	Not Accepted by FedEx Ground
D	Sulfur	9	NA1350	ш	CLASS 9	30	None	None	May not be regulated via highway
	Sulfur and chlorate, loose mixtures of	Forbid- den							
	Sulfur chlorides	8	UN1828	Ι	CORROSIVE	5, N34	None	201	
	Sulfur dichloride, see Sulfur chlorides								
	Sulfur dioxide	2.3 (8)	UN1079		POISON GAS, CORROSIVE	3	None	304	Not Accepted by FedEx Ground
	Sulfur dioxide solution, see Sulfurous acid								
	Sulfuretted hydrogen, see Hydrogen sulfide								
	Sulfur hexafluoride	2.2	UN1080		NONFLAMMABLE GAS		306	304	
+	Sulfuric acid, fuming with 30 percent or more free sulfur trioxide	8	UN1831	Ι	CORROSIVE, POISON	2,N34	None	227	Not Accepted by FedEx Ground
	Sulfuric acid, fuming with less than 30 percent free sulfur trioxide	8	UN1831	Ι	CORROSIVE	N34	None	201	
	Sulfuric acid, spent	8	UN1832	п	CORROSIVE	N34	None	202	
	Sulfuric acid with more than 51 percent acid	8	UN1830	Π	CORROSIVE	N34	154	202	
	Sulfuric acid with not more than 51 percent acid	8	UN2796	Π	CORROSIVE	N6, N34	154	202	
	Sulfuric and hydrofluoric acid mixtures see Hydrofluoric and sulfuric								
	acid mixtures								
т	Sulfuric anhydride, see Sulfur trioxide, inhibited	4.1	11012446	TTT		20	N	012	Net Assessed by EndEr Crown
I D	Sulfur, molten Sulfur, molten	<u>4.1</u> 9	UN2448 NA2448	Ш Ш	FLAMMABLE SOLID CLASS 9	30 30	None	213 213	Not Accepted by FedEx Ground Not Accepted by FedEx Ground
D	Sulfur, molten	9	NA2448 UN1833	Ш	CLASS 9 CORROSIVE		None 154	213	not Accepted by FedEx Ground
	Sulfur ous acid Sulfur tetrafluoride	8 2.3 (8)	UN1833 UN2418	п	POISON GAS, CORROSIVE	1	154 None	302	Not Assented by EadEy Crown
- <u>+</u>	Sulfur tetraluoride Sulfur trioxide, stabilized	2.3 (8) 8 (6.1)	UN2418 UN1829	т	CORROSIVE, POISON	1 2, N34	None	302 227	Not Accepted by FedEx Ground Not Accepted by FedEx Ground
	Sulfuryl chloride	8 (6.1)	UN1829 UN1834	I	CORROSIVE, POISON CORROSIVE, POISON	2, N34	None	227	Not Accepted by FedEx Ground
	Sulfuryl fluoride	2.3	UN1834 UN2191	1	POISON GAS	4	None	304	Not Accepted by FedEx Ground
	<b>Tars, liquid</b> including road asphalt and oils, bitumen and cut backs	3	UN1999	п	FUSON GAS	4	150	202	Not Accepted by PedEx Ground
	<b>Tars, liquid</b> including road asphalt and oils, bitumen and cut backs	3	UN1999 UN1999	ш	FLAMMABLE LIQUID		150	202	
	rars, nquite motituing roue asphan and ous, onamen and ou oucks	3	0111777				150	200	

bit         Production of the project on the proj	Packaging (§173.**					D.O.T. Basic Description for Hazardous Material Shipments		D.0	D.O.T. Basic Description f	escription for Hazardous Material Shipments								Packaging	(§173.***)	
Tear gas candles     6.1 (4.1)     UN1700     II     POISON, FLAMMABLE SOLID**     Note     340     Accepted only when packaged special permit or 40°C       Tear gas cartridges, see Ammunition, tear-producing, etc.     I     I     POISON, FLAMMABLE SOLID**     Note     340     Accepted only when packaged special permit or 40°C       D     Tear gas cartridges, see Ammunition, tear-producing, etc.     Note     540     Accepted only when packaged special permit or 40°C       D     Tear gas devices with nore than 2 percent tear gas substances, by mass, see Aerosols, etc.     Note     91     Cear gas devices, with nore than 2 percent tear gas substances, by     Note     91     Cear gas devices, with nore than 2 percent tear gas substances, by     Note     91     Cear gas devices, with nore than 2 percent tear gas substances, by     Note     91     Cear gas gas devices, with nore than 2 percent tear gas substances, by     Note     91     Accepted only when packaged special permit or 40°C       G     Tear gas substances, solid, n.o.s.     6.1     UN1693     I     POISON**     None     201     Accepted only when packaged special permit or 40°C       G     Tear gas substances, solid, n.o.s.     6.1     UN1693     I     POISON**     None     201     Accepted only when packaged special permit or 40°C       G     Tear gas substances, solid, n.o.s.     6.1     UN1693     I     POISON**     No			: Label codes			Hazardous materials descriptions and proper shipping names		Haza	Hazardous materials descri	rials descriptions and proper shipping names					PG	Label codes		Exceptions	NonBulk	FedEx Ground Restrictions
It arg us childles         6 (14)         (NN00         10         POISON, FLANDAMILE JUDING         None         340         Special permit of QC           D         Tear gas cartifiges, see Ammunition, tear-producing, etc.         i	(7) (8A) (8B)	(7)	(6)	(4) (5)	(3)	(2)				(2)	(3)	(3)		(4)	(5)	(6)	(7)	(8A)	(8B)	
D         Tear gas devices with more than 2 percent tear gas substances, by mass         6.1         NA1693         I         POISON**         None         340         Accepted only when packaged special pertuin or GCD           D         Tear gas devices, with not more than 2 percent tear gas substances, by mass, see Aerosols, etc.         None         340         Accepted only when packaged special pertuin or GCD           G         Tear gas devices, with not more than 2 percent tear gas substances, by mass, see Aerosols, etc.         None         240         Accepted only when packaged special pertuin or GCD           G         Tear gas substances, liquid, n.o.s.         6.1         UN1693         1         POISON**         None         201         Accepted only when packaged special pertuin or GCD           G         Tear gas substances, liquid, n.o.s.         6.1         UN1693         1         POISON**         None         201         Accepted only when packaged special pertuin or GCD           G         Tear gas substances, liquid, n.o.s.         6.1         UN1693         1         POISON**         None         201         Accepted only when packaged special pertuin or GCD           G         Tear gas substances, solid, n.o.s.         6.1         UN3248         1         POISON**         None         211         Accepted only when packaged special perunin or GCD         Special perunin are GCD<	None 340	)**	POISON, FLAMMABLE SOLID**	UN1700 II	6.1 (4.1)	Tear gas candles	Ге	Tear gas c	ear gas candles		6.1 (4.1)	6.1 (4.1)	U	UN1700	п	POISON, FLAMMABLE SOLID**		None	340	Accepted only when packaged under applicable special permit or 49CFR 173.13
D     Lear gas devices with more than 2 percent tear gas substances, by mass     6.1     NA109     1     POISON**     Nee     340     Accepted only when packaged special permit or 49C1       1     Tear gas devices, with not more than 2 percent tear gas substances, by mass, see Acrossle, etc.     1     POISON**     1     POISON**     1     Accepted only when packaged special permit or 49C1       1     Tear gas granules, see Tear gas candles     1     1     POISON**     Nee     201     Accepted only when packaged special permit or 49C1       6     Tear gas granules, see Tear gas candles     1     1     POISON**     Nee     201     Accepted only when packaged special permit or 49C1       6     Tear gas substances, liquid, n.o.s.     6.1     10140     1     POISON**     Nee     201     Accepted only when packaged special permit or 49C1       6     Tear gas substances, solid, n.o.s.     6.1     101404     1     POISON**     Nee     201     Accepted only when packaged special permit or 49C1       7     Tear gas substances, solid, n.o.s.     6.1     1014348     1     POISON**     Nee     201     Accepted only when packaged special permit or 49C1       7     Tear gas substances, solid, n.o.s.     6.1     1014348     1     POISON**     None     211     Accepted only when packaged special permit or 49C1 <td></td> <td></td> <td></td> <td></td> <td></td> <td>Tear gas cartridges, see Ammunition, tear-producing, etc.</td> <td>Геа</td> <td>Fear gas c</td> <td>ear gas cartridges, see Ammun</td> <td>ee Ammunition, tear-producing, etc.</td> <td></td>						Tear gas cartridges, see Ammunition, tear-producing, etc.	Геа	Fear gas c	ear gas cartridges, see Ammun	ee Ammunition, tear-producing, etc.										
I lear gas ubstances, suit nomere han 2 percent tear gas substances, by mass set Aerosols, etc.     Note     Juit     Note     Juit     Note     Juit     Special permit or 9CC       Tear gas ubstances, liquid, n.o.s.     6.1     UN1693     1     POISON**     Note     201     Accepted only when packaged special permit or 9CC       G     Tear gas substances, liquid, n.o.s.     6.1     UN1693     1     POISON**     Note     201     Accepted only when packaged special permit or 4CC       G     Tear gas substances, solid, n.o.s.     6.1     UN1693     1     POISON**     Note     201     Accepted only when packaged special permit or 4CC       G     Tear gas substances, solid, n.o.s.     6.1     UN1493     1     POISON**     None     201     Accepted only when packaged special permit or 4CC       G     Tear gas substances, solid, n.o.s.     6.1     UN348     1     POISON**     None     201     Accepted only when packaged special permit or 4CC       G     Tear gas substances, solid, n.o.s.     6.1     UN348     1     POISON**     None     201     Accepted only when packaged special permit or 4CC       G     Tear gas substances, solid, n.o.s.     6.1     UN3284     1     POISON**     None     211     Accepted only when packaged special permit or 4CC       G     Tear gas subs	None 340		POISON**	NA1693 I	6.1	Tear gas devices with more than 2 percent tear gas substances, by mass	Ге	Tear gas d	ear gas devices with more than 2	more than 2 percent tear gas substances, by mass	6.1	6.1	N	NA1693	I	POISON**		None	340	Accepted only when packaged under applicable special permit or 49CFR 173.13
mass. see: Aerosols. etc.         Image: See: Aerosols. etc.         Image: See: Aerosols. etc.         Image: See: Tear gas candles         Image: See: Tear gas candles.         Image: Tear gas candles.         Tear gas candles.<	None 340		POISON**	NA1693 II	6.1	Tear gas devices with more than 2 percent tear gas substances, by mass	Ге	Tear gas d	ear gas devices with more than 2	more than 2 percent tear gas substances, by mass	6.1	6.1	N	NA1693	п	POISON**		None	340	Accepted only when packaged under applicable special permit or 49CFR 173.13
Tear gas grenades, see Tear gas candies         model								-	-											
G       Terr gas substances, liquid, n.o.s.       6.1       UN1693       1       POISON*2       None       201       Accepted only when packaged special previal previal previal previal special previal previal previal special previa																				
6     Tear gas substances, liquid, n.o.s.     6.1     UN1693     11     POISON**     None     202     Accepted only when packaged special permit or Acged special permit or ACG special permit or	None 201		POISON**	UN1693 I	6.1						6.1	6.1	U	UN1693	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
oFear gas substances, solid, n.o.s.6.1UN344IPOISON**None211Second permit or accepted only men packaged special permit or accepted by FedITellurium nexafluoride23.08UN239IIIPOISON GAS, CORROSIVE1None302Not Accepted by FedITerpene hydrocarbons, n.o.s.3UN239IIIFLAMMABLE LIQUID150203Tetractio betracen quinone6.1UN3204IIPOISON**153203Accepted only men packaged special permit or accepted only men package	None 202		POISON**	UN1693 II	6.1	Tear gas substances, liquid, n.o.s.	Ге	Tear gas si	ear gas substances, liquid, n.o.s	liquid, n.o.s.	6.1	6.1	U	UN1693	п	POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
o     Tear gas substances, soild, h.o.s.     6.1     UN348     II     POISON**     None     212     Special permit or 49CF       Tellurium compound, n.o.s.     6.1     UN3284     II     POISON**     153     212     Accepted only when packaged special permit or 49CF       Tellurium compound, n.o.s.     6.1     UN3284     II     POISON**     153     212     Accepted only when packaged special permit or 49CF       Tellurium compound, n.o.s.     6.1     UN3284     II     POISON**     153     213     Accepted only when packaged special permit or 49CF       Tellurium hexafluoride     2.3 (8)     UN2195     POISON GAS, CORROSIVE     1     None     302     Not Accepted by Fedl       Terpene hydrocarbons, n.o.s.     3     UN2519     II     FLAMMABLE LIQUID     150     203       Tetrazido benzene quinone     Forbid-den	None 211		POISON**	UN3448 I	6.1	Tear gas substances, solid, n.o.s.	Ге	Tear gas si	ear gas substances, solid, n.o.s.	solid, n.o.s.	6.1	6.1	U	UN3448	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
Instruction compound, n.o.s.6.1UN32841POISON**None211Accepted approxim or 49CETellurium compound, n.o.s.6.1UN3284IIPOISON**153212Accepted only when packaged special permit or 49CETellurium compound, n.o.s.6.1UN3284IIIPOISON**153213Accepted only when packaged special permit or 49CETellurium hexafluoride2.3 (8)UN2195POISON GAS, CORROSIVE1None302Not Accepted by FedlTerpinolene3UN2319IIIFLAMMABLE LIQUID150203Tetraazido benzene quinoneForbid-den1None153203Accepted only when packaged special permit or 49CETetraazido benzene quinoneForbid-den1IIIPOISON**153203Accepted only when packaged special permit or 49CETetraazido benzene quinone6.1UN1702IIPOISON**N36153202Accepted only when packaged special permit or 49CETetraachorethane6.1UN1702IIPOISON**N36153202Accepted only when packaged special permit or 49CETetraethylammonium perchlorate (dry)Forbid-denTetraethyl dithiopyrophosphate6.1UN1704IIPOISON**N36153203Accepted only when packaged special permit or 49CETetraethyl dithiopyrophosphate6.1UN1704IIPOISON**N36153212Accepted only wh	None 212		POISON**	UN3448 II	6.1	Tear gas substances, solid, n.o.s.	Ге	Tear gas si	ear gas substances, solid, n.o.s.	solid, n.o.s.	6.1	6.1	U	UN3448	п	POISON**		None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
International constraints6.1UN3284IIPOISON**153212Special permit or 49CFTellurium compound, n.o.s.6.1UN3284IIIPOISON 6AS, CORROSIVE1None302Accepted only when packaged special permit or 49CFTellurium hexafluoride2.3 (8)UN2195POISON GAS, CORROSIVE1None302Not Accepted by FedITerpene hydrocarbons, n.o.s.3UN2319IIIFLAMMABLE LIQUID150203Terpinolene3UN2319IIIFLAMMABLE LIQUID150203Tetraazido benzene quinoneForbid-den1No153203Accepted only when packaged special permit or 49CFTetrachoroethane6.1UN1702IIPOISON**N36153202Accepted only when packaged special permit or 49CFTetrachloroethylene6.1UN1702IIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethyl dithiopyrophosphate6.1UN1702IIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethyl dithiopyrophosphate6.1UN1704IIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethyl dithiopyrophosphate6.1UN1704IIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethyl dithiopyrophosphate6.1UN1704IIPOI	None 211		POISON**	UN3284 I	6.1	Tellurium compound, n.o.s.	Гe	Tellurium	ellurium compound, n.o.s.	, n.o.s.	6.1	6.1	U	UN3284	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
I eliurum compound, n.o.s.6.1UN3284IIIPOISON***153213Special permit or 49CFTellurium hexafluoride2.3 (8)UN2195POISON GAS, CORROSIVE1None302Not Accepted by FedlTerpene hydrocarbons, n.o.s.3UN2319IIIFLAMMABLE LIQUID150203Terradiad benzene quinone6.1UN2504IIIPOISON**153203Accepted only when packagedTetraazido benzene quinoneForbid- denTetraachoroethane6.1UN1702IIPOISON**153203Accepted only when packaged1,1,2,2-Tetrachlorethane6.1UN1702IIPOISON**N36153202Accepted only when packagedTetraethylammonium perchlorate (dry)Forbid- denTetraethyl dithiopyrophosphate6.1UN1704IIPOISON**N36153203Accepted only when packagedTetraethyl aithiopyrophosphate6.1UN1704IIPOISON**N36153212Accepted only when packagedTetraethyl aithiopyrophosphate6.1UN1704IIPOISON**N36153212Accepted only when packagedTetraethyl aithiopyrophosphate6.1UN1704IIPOISON**N36153212Accepted only when packagedTetraethyl aithiopyrophosphate6.1UN1704IIPOISON**N36153212Accepted only when packaged <td>153 212</td> <td></td> <td>POISON**</td> <td>UN3284 II</td> <td>6.1</td> <td>Tellurium compound, n.o.s.</td> <td>Гe</td> <td>Tellurium</td> <td>ellurium compound, n.o.s.</td> <td>, n.o.s.</td> <td>6.1</td> <td>6.1</td> <td>U</td> <td>UN3284</td> <td>п</td> <td>POISON**</td> <td></td> <td>153</td> <td>212</td> <td>Accepted only when packaged under applicable special permit or 49CFR 173.13</td>	153 212		POISON**	UN3284 II	6.1	Tellurium compound, n.o.s.	Гe	Tellurium	ellurium compound, n.o.s.	, n.o.s.	6.1	6.1	U	UN3284	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
Terpene hydrocarbons, n.o.s.3UN2319IIIFLAMMABLE LIQUID150203Terpinolene3UN2541IIIFLAMMABLE LIQUID150203Tetraazido benzene quinoneForbid-den </td <td></td> <td></td> <td>POISON**</td> <td></td> <td>6.1</td> <td>Tellurium compound, n.o.s.</td> <td>Гe</td> <td>Tellurium</td> <td>ellurium compound, n.o.s.</td> <td>, n.o.s.</td> <td>6.1</td> <td>6.1</td> <td></td> <td></td> <td>ш</td> <td>POISON**</td> <td></td> <td>153</td> <td></td> <td>Accepted only when packaged under applicable special permit or 49CFR 173.13</td>			POISON**		6.1	Tellurium compound, n.o.s.	Гe	Tellurium	ellurium compound, n.o.s.	, n.o.s.	6.1	6.1			ш	POISON**		153		Accepted only when packaged under applicable special permit or 49CFR 173.13
Terpinolene3UN2541IIIFLAMMABLE LIQUID150203Tetraazido benzene quinoneForbid- den </td <td></td> <td>1</td> <td></td> <td>1</td> <td></td> <td></td> <td>Not Accepted by FedEx Ground</td>		1															1			Not Accepted by FedEx Ground
Tetrazido benzene quinoneForbid- denImage: Construction of the second sec							_		1 1	15, n.o.s.										
Tetrabromoethane6.1UN2504IIIPOISON**153203Accepted only when packaged special permit or 49CF1,1,2,2-Tetrachlorethane6.1UN1702IIPOISON**N36153202Accepted only when packaged special permit or 49CFTetrachloroethylene6.1UN1897IIIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethylammonium perchlorate (dry)Forbid- den </td <td>150 203</td> <td></td> <td>FLAMMABLE LIQUID</td> <td>UN2541 III</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>UN2541</td> <td>III</td> <td>FLAMMABLE LIQUID</td> <td></td> <td>150</td> <td>203</td> <td></td>	150 203		FLAMMABLE LIQUID	UN2541 III										UN2541	III	FLAMMABLE LIQUID		150	203	
Tetrablomoethane6.10N2504IIIPOISON**153203Special permit or 40CF1,1,2,2-Tetrachlorethane6.1UN1702IIPOISON**N36153202Accepted only when packaged special permit or 49CFTetrachloroethylene6.1UN1897IIIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethylammonium perchlorate (dry)Forbid- den </td <td></td> <td></td> <td></td> <td></td> <td>Forbid- den</td> <td>Tetraazido benzene quinone</td> <td>l'et</td> <td>l'etraazido</td> <td>etraazido benzene quinone</td> <td>inone</td> <td>Forbid- den</td> <td>Forbid- den</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					Forbid- den	Tetraazido benzene quinone	l'et	l'etraazido	etraazido benzene quinone	inone	Forbid- den	Forbid- den								
I,1,2,2-1 etrachiorethane6.1UN1702IIPOISON**N36153202Special permit or 49CFTetrachloroethylene6.1UN1897IIIPOISON**N36153203Accepted only when packaged special permit or 49CFTetraethylammonium perchlorate (dry)Forbid-den6.1UN1704IIPOISON**N36153212Accepted only when packaged special permit or 49CFTetraethyl dithiopyrophosphate6.1UN1704IIPOISON**153212Accepted only when packaged special permit or 49CFTetraethyl additiongrophosphate8UN2320IIICORROSIVE154203Tetraethyl silicate3UN1292IIIFLAMMABLE LIQUID150203I,1,2-Tetrafluoroethane or Refrigerant gas R 134a2.2UN3159NONFLAMMABLE GAS306304Tetrafluoroethylene, stabilized2.1UN1081FLAMMABLE GAS306304	153 203		POISON**	UN2504 III	6.1	Tetrabromoethane	Гe	Tetrabron	etrabromoethane		6.1	6.1	U	UN2504	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
Tetrachloroethylene6.1UN1897IIIPOISON**N56153203Special permit or 40CFTetraethylammonium perchlorate (dry)Forbid- den	N36 153 202	N36	POISON**	UN1702 II	6.1	1,1,2,2-Tetrachlorethane	,1	1,1,2,2-Tet	1,2,2-Tetrachlorethane	ane	6.1	6.1	U	UN1702	п	POISON**	N36	153	202	special permit or 49CFR 173.13
Tetraethyl dithiopyrophosphate       6.1       UN1704       II       POISON**       153       212       Accepted only when packaged special permit or 49CF         Tetraethyl enepentamine       8       UN2320       III       CORROSIVE       154       203         Tetraethyl silicate       3       UN1292       III       FLAMMABLE LIQUID       150       203         1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a       2.2       UN3159       NONFLAMMABLE GAS       306       304         Tetrafluoroethylene, stabilized       2.1       UN1081       FLAMMABLE GAS       306       304	N36 153 203	N36	POISON**	UN1897 III	6.1	Tetrachloroethylene	Гe	Tetrachlor	etrachloroethylene		6.1	6.1	U	UN1897	ш	POISON**	N36	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
Tetraethyl dinnopyropnospnate6.1UN1/04IIPOISON**155212special permit or 49CFTetraethylenepentamine8UN2320IIICORROSIVE154203Tetraethyl silicate3UN1292IIIFLAMMABLE LIQUID1502031,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a2.2UN3159NONFLAMMABLE GAS306304Tetrafluoroethylene, stabilized2.1UN1081FLAMMABLE GAS306304					Forbid- den	Tetraethylammonium perchlorate (dry)	Tet	Tetraethyla	etraethylammonium perchlorate (	perchlorate (dry)	Forbid- den	Forbid- den								
Tetraethyl silicate3UN1292IIIFLAMMABLE LIQUID1502031,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a2.2UN3159NONFLAMMABLE GAS306304Tetrafluoroethylene, stabilized2.1UN1081FLAMMABLE GAS306304	153 212				6.1			•		• •	6.1	6.1	U	UN1704		POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
1,1,2-Tetrafluoroethane or Refrigerant gas R 134a       2.2       UN3159       NONFLAMMABLE GAS       306       304         Tetrafluoroethylene, stabilized       2.1       UN1081       FLAMMABLE GAS       306       304						* 1	_		· · ·	ine					_					
Tetrafluoroethylene, stabilized     2.1     UN1081     FLAMMABLE GAS     306     304															III					
Tetrafluoromethane, compressed or Refrigerant gas R 14     2.2     UN1982     NONFLAMMABLE GAS     None     302																				
													_							
1,2,3,6-Tetrahydrobenzaldehyde     3     UN2498     III     FLAMMABLE LIQUID     150     203			=				/	, , ,	,, ,	nzaldehyde										
Tetrahydrofuran     3     UN2056     II     FLAMMABLE LIQUID     None     202							_	~ ~	2	•	-	-	_							
Tetrahydrofurfurylamine     3     UN2943     III     FLAMMABLE LIQUID     150     203	150 203		FLAMMABLE LIQUID	UN2943 III	3						3	3	U	UN2943	ш	FLAMMABLE LIQUID		150	203	
Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic     8     UN2698     III     CORROSIVE     154     213					-	anhydride	ınl	anhydride	nhydride		-	Ť				CORROSIVE				
1,2,3,6-Tetrahydropyridine3UN2410IIFLAMMABLE LIQUID150202	150 202		-	UN2410 II	3						3	3	U	UN2410	Π			150	202	
Tetrahydrothiophene     3     UN2412     II     FLAMMABLE LIQUID     150     202	150 202				3						3	3	U	UN2412	_			150	202	
Tetramethylammonium hydroxide solid 8 UN3423 II CORPOSIVE 154 212	154 213		CORROSIVE	UN3423 II	8	Tetramethylammonium hydroxide, solid												154	213	
										im hydroxide solution	8			UN1835	Π	CORROSIVE		154	202	

# FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Tetramethylammonium hydroxide solution	8	UN1835	Ш	CORROSIVE		154	203	
	Tetramethylene diperoxide dicarbamide	Forbid- den							
	Tetramethylsilane	3	UN2749	Ι	FLAMMABLE LIQUID		None	201	
	Tetranitroaniline	1.1D	UN0207	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Tetranitro diglycerin	Forbid- den							
+	Tetranitromethane	5.1 (6.1)	UN1510	Ι	OXIDIZER, POISON	2	None	227	Not Accepted by FedEx Ground
	2,3,4,6-Tetranitrophenol	Forbid- den							
	2,3,4,6-Tetranitrophenyl methyl nitramine	Forbid- den							
	2,3,4,6-Tetranitrophenylnitramine	Forbid- den							
	Tetranitroresorcinol (dry)	Forbid- den							
	2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbid- den							
	2,3,5,6-Tetranitroso nitrobenzene (dry)	Forbid- den							
	Tetrapropylorthotitanate	3	UN2413	Ш	FLAMMABLE LIQUID		150	203	
	Tetrazene, see Guanyl nitrosaminoguanyltetrazene								
	Tetrazine (dry)	Forbid- den							
	Tetrazol-1-acetic acid	1.4C	UN0407	п	EXPLOSIVE 1.4C		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	1H-Tetrazole	1.1D	UN0504		EXPLOSIVE 1.1D		None	62	
	Tetrazolyl azide (dry)	Forbid- den							
	Tetryl, see Trinitrophenylmethylnitramine								
A I W	Textile waste, wet	4.2	UN1857	ш	SPONTANEOUSLY COMBUSTIBLE		151	213	Not Accepted by FedEx Ground
	Thallium chlorate	5.1 (6.1)	UN2573	п	OXIDIZER, POISON**		152	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thallium compounds, n.o.s.	6.1	UN1707	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thallium nitrate	6.1 (5.1)	UN2727	п	POISON, OXIDIZER**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thallium sulfate, solid	6.1	NA1707	п	POISON**		None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	4-Thiapentanal	6.1	UN2785	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thioacetic acid	3	UN2436	п	FLAMMABLE LIQUID		150	202	
	<b>Thiocarbamate pesticide, liquid, flammable, toxic,</b> <i>flashpoint less than</i> 23 degrees C	3 (6.1)	UN2772	Ι	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Thiocarbamate pesticide, liquid, flammable, toxic</b> , <i>flashpoint less than</i> 23 degrees C	3 (6.1)	UN2772	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Thiocarbamate pesticides, liquid, flammable, toxic</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3305	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Thiocarbamate pesticides, liquid, flammable, toxic</b> <i>flashpoint not less than 23 degrees</i> C	6.1 (3)	UN3305	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Thiocarbamate pesticides, liquid, flammable, toxic</b> <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN3305	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thiocarbonylchloride, see Thiophosgene								
	Thioglycol	6.1	UN2966	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thioglycolic acid	8	UN1940	П	CORROSIVE	N34	154	202	
	Thiolactic acid	6.1	UN2936	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Thionyl chloride	8	UN1836	Ι	CORROSIVE	N34	None	201	
	Thiophene	3	UN2414	п	FLAMMABLE LIQUID		150	202	
+	Thiophosgene	6.1	UN2474	П	POISON	2,N33,N34	None	227	Not Accepted by FedEx Ground
	Thiophosphoryl chloride	8	UN1837	п	CORROSIVE	N34	None	202	
	Thiourea dioxide	4.2	UN3341	П	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Thiourea dioxide	4.2	UN3341	III	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Tin chloride, fuming, see Stannic chloride, anhydrous								
	Tinctures, medicinal	3	UN1293	П	FLAMMABLE LIQUID		150	202	
	Tinctures, medicinal	3	UN1293	ш	FLAMMABLE LIQUID		150	203	
	Tinning flux, see Zinc chloride								
	Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous								
	Titanium disulphide	4.2	UN3174	III	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Titanium hydride	4.1	UN1871	Π	FLAMMABLE SOLID	N34	None	212	
	Titanium powder, dry	4.2	UN2546	Ι	SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
	Titanium powder, dry	4.2	UN2546	Π	SPONTANEOUSLY COMBUSTIBLE	N5,N34	None	212	Not Accepted by FedEx Ground
	Titanium powder, dry	4.2	UN2546	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	<b>Titanium powder, wetted</b> with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	UN1352	п	FLAMMABLE SOLID	N34	None	212	
	Titanium sponge granules or Titanium sponge powders	4.1	UN2878	III	FLAMMABLE SOLID		None	213	
+	Titanium tetrachloride	8 (6.1)	UN1838	Π	CORROSIVE, POISON	2	None	227	Not Accepted by FedEx Ground
	Titanium trichloride mixtures	8	UN2869	П	CORROSIVE	N34	154	212	
	Titanium trichloride mixtures	8	UN2869	Ш	CORROSIVE	N34	154	213	
	Titanium trichloride, pyrophoric <i>or</i> Titanium trichloride mixtures, pyrophoric	4.2 (8)	UN2441	I	SPONTANEOUSLY COMBUSTIBLE, CORROSIVE	N34	None	181	Not Accepted by FedEx Ground
	TNT mixed with aluminum, see Tritonal								
	TNT, see Trinitrotoluene, etc.								
	Toluene	3	UN1294	П	FLAMMABLE LIQUID		150	202	
+	Toluene diisocyanate	6.1	UN2078	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc.								
+	Toluidines, liquid	6.1	UN1708	п	POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Toluidines, solid	6.1	UN3451	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid	6.1	UN1709	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid	6.1	UN3418	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Torpedoes, liquid fueled with inert head	1.3J	UN0450	Π	EXPLOSIVE 1.3J		None	62	Not Accepted by FedEx Ground
	Torpedoes, liquid fueled, with or without bursting charge	1.1J	UN0449	П	EXPLOSIVE 1.1J		None	62	Not Accepted by FedEx Ground
	Torpedoes with bursting charge	1.1E	UN0329	Π	EXPLOSIVE 1.1E		None	62	Not Accepted by FedEx Ground
	Torpedoes with bursting charge	1.1F	UN0330	Π	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Torpedoes with bursting charge	1.1D	UN0451	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, corrosive, n.o.s.</b> with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration great than or equal to 10 LC50	6.1 (8)	UN3390	I	POISON, CORROSIVE	2	None	227	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, corrosive, n.o.s.</b> with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration great than or equal to 500 LC50	6.1 (8)	UN3389	I	POISON, CORROSIVE	1	None	226	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, flammable, n.o.s.</b> with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration great than or equal to 10 LC50	6.1 (3)	UN3384	I	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, flammable, n.o.s.</b> with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration great than or equal to 500 LC50	6.1 (3)	UN3383	I	POISON, FLAMMABLE LIQUID	1	None	226	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, n.o.s.</b> with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration great than or equal to 10 LC50	6.1	UN3382	I	POISON	2	None	227	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, n.o.s.</b> with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration great than or equal to 500 LC50	6.1	UN3381	I	POISON	1	None	226	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, oxidizing, n.o.s.</b> with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration great than or equal to 10 LC50	6.1 (5.1)	UN3388	I	POISON, OXIDIZER	2	None	227	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, oxidizing, n.o.s.</b> with an inhalation toxicity lower than or equal to 200ml/m3 and saturated vapor concentration great than or equal to 500 LC50	6.1 (5.1)	UN3387	I	POISON, OXIDIZER	1	None	226	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, water-reactive, n.o.s.</b> with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration great than or equal to 10 LC50	6.1 (4.3)	UN3386	I	POISON, DANGEROUS WHEN WET	2	None	227	Not Accepted by FedEx Ground
G	<b>Toxic by inhalation liquid, water-reactive, n.o.s.</b> with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration great than or equal to 500 LC50	6.1 (4.3)	UN3385	I	POISON, DANGEROUS WHEN WET				
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1 (8)	UN3289	I	POISON, CORROSIVE**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1 (8)	UN3289	п	POISON, CORROSIVE**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Toxic liquids, corrosive, organic, n.o.s.	6.1 (8)	UN2927	I	POISON, CORROSIVE**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, corrosive, organic, n.o.s.	6.1 (8)	UN2927	п	POISON, CORROSIVE**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, flammable, organic, n.o.s.	6.1 (3)	UN2929	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, flammable, organic, n.o.s.	6.1 (3)	UN2929	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic, liquids, organic, n.o.s.	6.1	UN2810	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic, liquids, organic, n.o.s.	6.1	UN2810	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic, liquids, organic, n.o.s.	6.1	UN2810	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, oxidizing, n.o.s.	6.1 (5.1)	UN3122	I	POISON, OXIDIZER**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, oxidizing, n.o.s.	6.1 (5.1)	UN3122	п	POISON, OXIDIZER**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, water-reactive, n.o.s.	6.1 (4.3)	UN3123	I	POISON, DANGEROUS WHEN WET**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic liquids, water-reactive, n.o.s.	6.1 (4.3)	UN3123	п	POISON, DANGEROUS WHEN WET**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1 (8)	UN3290	I	POISON, CORROSIVE**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1 (8)	UN3290	п	POISON, CORROSIVE**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, corrosive, organic, n.o.s.	6.1 (8)	UN2928	I	POISON, CORROSIVE**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, corrosive, organic, n.o.s.	6.1 (8)	UN2928	п	POISON, CORROSIVE**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, flammable, organic, n.o.s.	6.1 (4.1)	UN2930	I	POISON, FLAMMABLE SOLID**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, flammable, organic, n.o.s.	6.1 (4.1)	UN2930	п	POISON, FLAMMABLE SOLID**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, organic, n.o.s.	6.1	UN2811	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, organic, n.o.s.	6.1	UN2811	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, organic, n.o.s.	6.1	UN2811	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, oxidizing, n.o.s.	6.1 (5.1)	UN3086	I	POISON, OXIDIZER**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, oxidizing, n.o.s.	6.1 (5.1)	UN3086	п	POISON, OXIDIZER**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxic solids, self-heating, n.o.s.	6.1 (4.2)	UN3124	I	POISON, SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
G	Toxic solids, self-heating, n.o.s.	6.1 (4.2)	UN3124	п	POISON, SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Toxic solids, water-reactive, n.o.s.	6.1 (4.3)	UN3125	I	POISON, DANGEROUS WHEN WET**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Toxic solids, water-reactive, n.o.s.	6.1 (4.3)	UN3125	п	POISON, DANGEROUS WHEN WET**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxins, extracted from living sources, liquid n.o.s.	6.1	UN3172	I	POISON**	141	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxins, extracted from living sources, liquid n.o.s.	6.1	UN3172	п	POISON**	141	None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxins, extracted from living sources, liquid n.o.s.	6.1	UN3172	ш	POISON**	141	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxins,extracted from living sources , solid n.o.s.	6.1	UN3462	I	POISON**	141	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxins,extracted from living sources , solid n.o.s.	6.1	UN3462	п	POISON**	141	None	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Toxins,extracted from living sources , solid n.o.s.	6.1	UN3462	ш	POISON**	141	153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
D	Toy Caps	1.45	NA0337	п	EXPLOSIVE 1.4S		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Tracers for ammunition	1.3G	UN0212	п	EXPLOSIVE 1.3G		None	62	Not Accepted by FedEx Ground
	Tracers for ammunition	1.4G	UN0306	п	EXPLOSIVE 1.4G		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Tractors, see Vehicles, etc.								
	Triallylamine	3 (8)	UN2610	ш	FLAMMABLE LIQUID, CORROSIVE		None	203	Accepted only when packaged under applicable
	Triallyl borate	6.1	UN2609	ш	POISON**		153	203	special permit or 49CFR 173.13
	<b>Triazine pesticides, liquid, flammable, toxic</b> , flashpoint less than 23 degrees C	3 (6.1)	UN2764	I	FLAMMABLE LIQUID, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Triazine pesticides, liquid, flammable, toxic</b> , flashpoint less than 23 degrees C	3 (6.1)	UN2764	п	FLAMMABLE LIQUID, POISON**		150	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triazine pesticides, liquid, toxic	6.1	UN2998	I	POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triazine pesticides, liquid, toxic	6.1	UN2998	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triazine pesticides, liquid, toxic	6.1	UN2998	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Triazine pesticides, liquid, toxic, flammable</b> , flashpoint not less than 23 degrees C	6.1 (3)	UN2997	I	POISON, FLAMMABLE LIQUID**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Triazine pesticides, liquid, toxic, flammable</b> , <i>flashpoint not less than 23 degrees C</i>	6.1 (3)	UN2997	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	<b>Triazine pesticides, liquid, toxic, flammable</b> , flashpoint not less than 23 degrees C	6.1 (3)	UN2997	ш	POISON, FLAMMABLE LIQUID**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triazine pesticides, solid, toxic	6.1	UN2763	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triazine pesticides, solid, toxic	6.1	UN2763	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triazine pesticides, solid, toxic	6.1	UN2763	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Tri-(b-nitroxyethyl) ammonium nitrate	Forbid- den							
	Tributylamine	6.1	UN2542	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Tributylphosphane	4.2	UN3254	Ι	SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
	Trichloroacetic acid	8	UN1839	П	CORROSIVE	N34	154	212	
	Trichloroacetic acid, solution	8	UN2564	П	CORROSIVE	N34	154	202	

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Trichloroacetic acid, solution	8	UN2564	III	CORROSIVE	N34	154	203	
+	Trichloroacetyl chloride	8 (6.1)	UN2442	Π	CORROSIVE, POISON	2, N34	None	227	Not Accepted by FedEx Ground
	Trichlorobenzenes, liquid	6.1	UN2321	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Trichlorobutene	6.1	UN2322	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	1,1,1-Trichloroethane	6.1	UN2831	ш	POISON**	N36	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Trichloroethylene	6.1	UN1710	ш	POISON**	N36	153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Trichloroisocyanuric acid, dry	5.1	UN2468	П	OXIDIZER		152	212	
	Trichloromethyl perchlorate	Forbid- den							
	Trichlorosilane	4.3 (3,8)	UN1295	I	DANGEROUS WHEN WET, FLAMMABLE LIQUID, CORROSIVE**	N34	None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Trichloro-s-triazinetrione dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry								
	<b>Tricresyl phosphate</b> with more than 3 percent ortho isomer	6.1	UN2574	п	POISON**	N33, N34	153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triethylamine	3 (8)	UN1296	Π	FLAMMABLE LIQUID, CORROSIVE		150	202	
	Triethylenetetramine	8	UN2259	П	CORROSIVE		154	202	
	Triethyl phosphite	3	UN2323	Ш	FLAMMABLE LIQUID		150	203	
	Trifluoroacetic acid	8	UN2699	Ι	CORROSIVE	N3, N34	None	201	
	Trifluoroacetyl chloride	2.3 (8)	UN3057		POISON GAS, CORROSIVE	2	None	304	Not Accepted by FedEx Ground
	Trifluorochloroethylene, stabilized	2.3 (2.1)	UN1082		POISON GAS, FLAMMABLE GAS	3	None	304	Not Accepted by FedEx Ground
	1,1,1-Trifluoroethane or Refrigerant gas R 143a	2.1	UN2035		FLAMMABLE GAS		306	304	
	Trifluoromethane or Refrigerant gas R 23	2.2	UN1984		NONFLAMMABLE GAS		306	304	
	Trifluoromethane, refrigerated liquid	2.2	UN3136		NONFLAMMABLE GAS		306	None	
	3-Trifluoromethylaniline	6.1	UN2948	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	2-Trifluoromethylaniline	6.1	UN2942	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Triformoxime trinitrate	Forbid- den							
	Triisobutylene	3	UN2324	Ш	FLAMMABLE LIQUID		150	203	
	Triisopropyl borate	3	UN2616	п	FLAMMABLE LIQUID		150	202	
	Triisopropyl borate	3	UN2616	Ш	FLAMMABLE LIQUID		150	203	
D	Trimethoxysilane	6.1 (3)	NA9269	I	POISON, FLAMMABLE LIQUID	2	None	227	Not Accepted by FedEx Ground
	1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbid- den							
	Trimethylacetyl chloride	6.1 (8,3)	UN2438	I	POISON, CORROSIVE, FLAMMABLE LIQUID	2, N34	None	227	Not Accepted by FedEx Ground
	Trimethylamine, anhydrous	2.1	UN1083		FLAMMABLE GAS		306	304	
	<b>Trimethylamine, aqueous solutions</b> with not more than 50 percent trimethylamine by mass	3 (8)	UN1297	I	FLAMMABLE LIQUID, CORROSIVE		None	201	
	<b>Trimethylamine, aqueous solutions</b> with not more than 50 percent trimethylamine by mass	3 (8)	UN1297	п	FLAMMABLE LIQUID, CORROSIVE		150	202	
	<b>Trimethylamine, aqueous solutions</b> with not more than 50 percent trimethylamine by mass	3 (8)	UN1297	ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	1,3,5-Trimethylbenzene	3	UN2325	Ш	FLAMMABLE LIQUID		150	203	
	Trimethyl borate	3	UN2416	П	FLAMMABLE LIQUID		150	202	
	Trimethylchlorosilane	3 (8)	UN1298	Π	FLAMMABLE LIQUID, CORROSIVE	N34	150	202	
	·								

### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions		FedEx Ground Restrictions
			ivumbers			•			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Trimethylcyclohexylamine	8	UN2326	III	CORROSIVE		154	203	
	Trimethylene glycol diperchlorate	Forbid- den							
	Trimethylhexamethylenediamines	8	UN2327	ш	CORROSIVE		154	203	
	Trimethylhexamethylene diisocyanate	6.1	UN2328	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Trimethylol nitromethane trinitrate	Forbid- den							
	Trimethyl phosphite	3	UN2329	Ш	FLAMMABLE LIQUID		150	203	
	2,4,6-Trinitro-1,3,5-triazido benzene (dry)	Forbid- den							
	2,4,6-Trinitro-1,3-diazobenzene	Forbid- den							
	Trinitroacetic acid	Forbid- den							
	Trinitroacetonitrile	Forbid- den							
	Trinitroamine cobalt	Forbid- den							
	Trinitroaniline or Picramide	1.1D	UN0153	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitroanisole	1.1D	UN0213	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrobenzenesulfonic acid	1.1D	UN0386	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrobenzene, wetted, with not less than 10 percent water, by mass	4.1	UN3367	т	FLAMMABLE SOLID	162, N41, N84	None	211	
	Trinitrobenzene, wetted with not less than 30 percent water, by mass	4.1	UN1354	I	FLAMMABLE SOLID	23, N41	None	211	
	<b>Trinitrobenzene</b> , wetted with not less than 30 percent water, by mass	7.1	0111334	1	F LAMMADLE SOLID	25,1141	None	211	
	mass	1.1D	UN0215	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrobenzoic acid, wetted with not less than 10 percent water by mass	4.1	UN3368	I	FLAMMABLE SOLID	162	None	211	
	Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass	4.1	UN1355	I	FLAMMABLE SOLID	23, N41	None	211	
	Trinitrochlorobenzene or Picryl chloride	1.1D	UN0155	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<b>Trinitrochlorobenzene (picryl chloride), wetted,</b> with not less than 10% water by mass	4.1	UN3365	I	FLAMMABLE SOLID	162, N41, N84	None	211	
	Trinitroethanol	Forbid- den							
	Trinitroethylnitrate	Forbid- den							
	Trinitrofluorenone	1.1D	UN0387	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrofluorenone	1.1D	UN0387	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitro-meta-cresol	1.1D	UN0216	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitromethane	Forbid- den		-					The field by fearly Ground
	1,3,5-Trinitronaphthalene	Forbid- den							
	Trinitronaphthalene	1.1D	UN0217	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrophenetole	1.1D 1.1D	UN0217 UN0218	П	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<b>Trinitrophenol</b> or <b>Picric acid</b> , dry or wetted with less than 30 percent	1.15	0110210				Tione		The Acceptu by PtuEx Ground
	water, by mass	1.1D	UN0154	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrophenol (picric acid), wetted, with not less than 10% water by	4.1	UN3364	Ι	FLAMMABLE LIQUID	162, N41,	None	211	
	mass					N84			
	Trinitrophenol, wetted with not less than 30 percent water, by mass	4.1	UN1344	1	FLAMMABLE SOLID	23, N41	None	211	
	2,4,6-Trinitrophenyl guanidine (dry)	Forbid- den							
	Trinitrophenylmethylnitramine or Tetryl	1.1D	UN0208	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	2,4,6-Trinitrophenyl nitramine	Forbid- den							
	2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry)	Forbid- den							

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	rG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	<b>Trinitroresorcinol</b> or <b>Styphnic acid</b> , dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0219	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<b>Trinitroresorcinol, wetted</b> or <b>Styphnic acid</b> , wetted with not less than 20 percent water, or mixture of alcohol and water by mass	1.1D	UN0394	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	2,4,6-Trinitroso-3-methyl nitraminoanisole	Forbid- den							
	Trinitrotetramine cobalt nitrate	Forbid- den							
	Trinitrotoluene and Trinitrobenzene mixtures <i>or</i> TNT and trinitrobenzene mixtures <i>or</i> TNT and hexanitrostilbene mixtures <i>or</i> Trinitrotoluene and hexanitrostilene mixtures	1.1D	UN0388	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrotoluene mixtures containing Trinitrobenzene and Hexanitrostilbene <i>or</i> TNT mixtures containing trinitrobenzene and hexanitrostilbene	1.1D	UN0389	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	<b>Trinitrotoluene</b> or <b>TNT</b> , dry or wetted with less than 30 percent water, by mass	1.1D	UN0209	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Trinitrotoluene (TNT), wetted, with not less than 10% water by mass	4.1	UN3366	I	FLAMMABLE SOLID	162, N41, N84	None	211	
	Trinitrotoluene, wetted with not less than 30 percent water, by mass	4.1	UN1356	I	FLAMMABLE SOLID	23, N41	None	211	
	Tripropylamine	3 (8)	UN2260	Ш	FLAMMABLE LIQUID, CORROSIVE		150	203	
	Tripropylene	3	UN2057	П	FLAMMABLE LIQUID		150	202	
	Tripropylene	3	UN2057	ш	FLAMMABLE LIQUID		150	203	Accepted only when packaged under applicable
	Tris-(1-aziridinyl)phosphine oxide, solution	6.1	UN2501	п	POISON**		153	202	special permit or 49CFR 173.13
	Tris-(1-aziridinyl)phosphine oxide, solution	6.1	UN2501	ш	POISON**		153	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Tris, bis-bifluoroamino diethoxy propane (TVOPA)	Forbid- den							
	Tritonal	1.1D	UN0390	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Tungsten hexafluoride	2.3 (8)	UN2196		POISON GAS, CORROSIVE	2	None	338	Not Accepted by FedEx Ground
	Turpentine	3	UN1299	Ш	FLAMMABLE LIQUID		150	203	
	Turpentine substitute	3	UN1300	I	FLAMMABLE LIQUID		None	201	
	Turpentine substitute	3	UN1300 UN1300	П Ш	FLAMMABLE LIQUID FLAMMABLE LIQUID		150 150	202 203	
	Turpentine substitute Undecane	3	UN1300 UN2330	III	FLAMMABLE LIQUID		150	203	
	Undecane Urea hydrogen peroxide	5.1 (8)	UN2530 UN1511	III	OXIDIZER, CORROSIVE		150	203	
	<b>Urea nitrate</b> , dry or wetted with less than 20 percent water, by mass	1.1D	UN0220	П	EXPLOSIVE 1.1D	119	None	62	Not Accepted by FedEx Ground
	Urea nitrate, wetted, with not less than 10 percent water by mass	4.1	UN3370	I	FLAMMABLE SOLID	162, N41, N84	None	211	Not Accepted by FedEx Ground
	Urea nitrate, wetted with not less than 20 percent water, by mass	4.1	UN1357	Ι	FLAMMABLE SOLID	39, 39, N41	None	211	Not Accepted by FedEx Ground
	Urea peroxide, see Urea hydrogen peroxide								
	Valeraldehyde	3	UN2058	Π	FLAMMABLE LIQUID		150	202	
	Valeric acid, see Corrosive liquids, n.o.s.								
	Valeryl chloride	8 (3)	UN2502	Π	CORROSIVE, FLAMMABLE LIQUID	N34	154	202	
	Vanadium compound, n.o.s.	6.1	UN3285	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Vanadium compound, n.o.s.	6.1	UN3285	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13 Accepted only when packaged under applicable
	Vanadium compound, n.o.s.	6.1	UN3285	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Vanadium oxytrichloride	8	UN2443	П	CORROSIVE	N34	154	202	

### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Vanadium pentoxide, non-fused form	6.1	UN2862	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Vanadium tetrachloride	8	UN2444	Ι	CORROSIVE	N34	None	201	
	Vanadium trichloride	8	UN2475	ш	CORROSIVE		154	213	
	Vanadyl sulfate	6.1	UN2931	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Vehicle, flammable gas powered	9	UN3166		CLASS 9	135, 157	220	220	
	Vehicle, flammable liquid powered	9	UN3166		CLASS 9	135, 157	220	220	
	Very signal cartridge, see Cartridges, signal								
	Vinyl acetate, stabilized	3	UN1301	Π	FLAMMABLE LIQUID		150	202	
	Vinyl bromide, stabilized	2.1	UN1085		FLAMMABLE GAS		306	304	
	Vinyl butyrate, stabilized	3	UN2838	П	FLAMMABLE LIQUID		150	202	
	Vinyl chloride, stabilized	2.1	UN1086		FLAMMABLE GAS	21	306	304	Not Accepted by FedEx Ground
	Vinyl chloroacetate	6.1 (3)	UN2589	п	POISON, FLAMMABLE LIQUID**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Vinyl ethyl ether, stabilized	3	UN1302	I	FLAMMABLE LIQUID		None	201	
	Vinyl fluoride, stabilized	2.1	UN1860		FLAMMABLE GAS		306	304	
	Vinylidene chloride, stabilized	3	UN1303	Ι	FLAMMABLE LIQUID		150	201	
	Vinyl isobutyl ether, stabilized	3	UN1304	Π	FLAMMABLE LIQUID		150	202	
	Vinyl methyl ether, stabilized	2.1	UN1087		FLAMMABLE GAS		306	304	
	Vinyl nitrate polymer	Forbid- den			POISON, FLAMMABLE LIQUID,				Accepted only when packaged under applicable
	Vinylpyridines, stabilized	6.1 (6.1, 8)	UN3073	п	CORROSIVE**		153	202	special permit or 49CFR 173.13
	Vinyltoluenes, stabilized	3	UN2618	Ι	FLAMMABLE LIQUID		150	203	
	Vinyltrichlorosilane, stabilized	3 (8)	UN1305	Ι	FLAMMABLE LIQUID, CORROSIVE	N34	None	201	
	Warheads, rocket with burster or expelling charge	1.4D	UN0370	п	EXPLOSIVE 1.4D		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Warheads, rocket with burster or expelling charge	1.4F	UN0371	п	EXPLOSIVE 1.4F		None	62	Packages may require an EX number marked on the shipping paper. (see 49CFR 173.56 and 49CFR 172.320)
	Warheads, rocket with bursting charge	1.1D	UN0286	Π	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground
	Warheads, rocket with bursting charge	1.2D	UN0287	п	EXPLOSIVE 1.2D		None	62	Not Accepted by FedEx Ground
	Warheads, rocket with bursting charge	1.1F	UN0369	П	EXPLOSIVE 1.1F		None	62	Not Accepted by FedEx Ground
	Warheads, torpedo with bursting charge	1.1D	UN0221	п	EXPLOSIVE 1.1D		None	62	Not Accepted by FedEx Ground Accepted only when packaged under applicable
G	Water-reactive liquid, corrosive, n.o.s.	4.3	UN3129	I	DANGEROUS WHEN WET, CORROSIVE**		None	201	special permit or 49CFR 173.13
G	Water-reactive liquid, corrosive, n.o.s.	4.3 (8)	UN3129	п	DANGEROUS WHEN WET, CORROSIVE**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive liquid, corrosive, n.o.s.	4.3 (8)	UN3129	ш	DANGEROUS WHEN WET, CORROSIVE**		None	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive liquid, n.o.s.	4.3	UN3148	I	DANGEROUS WHEN WET**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive liquid, n.o.s.	4.3	UN3148	п	DANGEROUS WHEN WET**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive liquid, n.o.s.	4.3	UN3148	ш	DANGEROUS WHEN WET**		None	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive liquid, toxic, n.o.s.	4.3 (6.1)	UN3130	I	DANGEROUS WHEN WET, POISON**		None	201	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive liquid, toxic, n.o.s.	4.3 (6.1)	UN3130	п	DANGEROUS WHEN WET, POISON**		None	202	Accepted only when packaged under applicable special permit or 49CFR 173.13

Note: Proper shipping names that must include a technical name in parentheses are indicated by the letter G in column 1

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
G	Water-reactive liquid, toxic, n.o.s.	4.3 (6.1)	UN3130	ш	DANGEROUS WHEN WET, POISON**		None	203	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	I	DANGEROUS WHEN WET, CORROSIVE**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	п	DANGEROUS WHEN WET, CORROSIVE**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	ш	DANGEROUS WHEN WET, CORROSIVE**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, flammable, n.o.s.	4.3	UN3132	I	DANGEROUS WHEN WET, FLAMMABLE SOLID**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive solid, flammable, n.o.s.	4.3	UN3132	п	DANGEROUS WHEN WET, FLAMMABLE SOLID**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, flammable, n.o.s.	4.3	UN3132	ш	DANGEROUS WHEN WET, FLAMMABLE SOLID**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, n.o.s.	4.3	UN2813	I	DANGEROUS WHEN WET**	N40	None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13
G	Water-reactive solid, n.o.s.	4.3	UN2813	п	DANGEROUS WHEN WET**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, n.o.s.	4.3	UN2813	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, oxidizing, n.o.s.	4.3 (5.1)	UN3133	Π	DANGEROUS WHEN WET, OXIDIZER		None	214	Not Accepted by FedEx Ground
G	Water-reactive solid, oxidizing, n.o.s.	4.3 (5.1)	UN3133	Ш	DANGEROUS WHEN WET, OXIDIZER		None	214	Not Accepted by FedEx Ground
G	Water-reactive solid, self-heating, n.o.s.	4.3 (4.2)	UN3135	I	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE	N40	None	211	Not Accepted by FedEx Ground
G	Water-reactive solid, self-heating, n.o.s.	4.3 (4.2)	UN3135	п	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
G	Water-reactive solid, self-heating, n.o.s.	4.3 (4.2)	UN3135	ш	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground Accepted only when packaged under applicable
G	Water-reactive solid, toxic, n.o.s.	4.3 (6.1)	UN3134	Ι	DANGEROUS WHEN WET, POISON**	N40	None	211	special permit or 49CFR 173.13
G	Water-reactive solid, toxic, n.o.s.	4.3 (6.1)	UN3134	п	DANGEROUS WHEN WET, POISON**		151	212	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
G	Water-reactive solid, toxic, n.o.s.	4.3 (6.1)	UN3134	ш	DANGEROUS WHEN WET, POISON**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13
	Wheel chair, electric see Battery powered vehicle or Battery Powered equipment.								
T	White acid, see Hydrofluoric acid mixtures	9	UNAZOO	177	CT ASS 0		155	216	
1	White asbestos (chrysotile, actinolite, anthophyllite, tremolite) Wood preservatives, liquid	3	UN2590 UN1306	III	CLASS 9 FLAMMABLE LIQUID		155	216 202	May not be regulated via highway
	Wood preservatives, inquid	3	UN1306	ш	FLAMMABLE LIQUID		150	202	
	Wool waste, wet	4.2	UN1387	ш	SPONTANEOUSLY COMBUSTIBLE		151	213	
	Xanthates	4.2	UN3342	Π	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Xanthates	4.2	UN3342	III	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Xenon	2.2	UN2036		NONFLAMMABLE GAS		306	302	
	Xenon, refrigerated liquid (cryogenic liquids)	2.2	UN2591		NONFLAMMABLE GAS		320	None	Accepted only when packaged under exception 49CFR 173.320

	D.O.T. Basic Description for Hazardous Material Shipments					Packaging (§173.***)			
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
-	Xylenes	3	UN1307	Π	FLAMMABLE LIQUID		150	202	
	Xylenes	3	UN1307	ш	FLAMMABLE LIQUID		150	203	
	Xylenols, liquid	6.1	UN3430	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Xylenols, solid	6.1	UN2261	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Xylidines, liquid	6.1	UN1711	п	POISON**		153	202	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Xylidines, solid	6.1	UN3452	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Xylyl bromide, liquid	6.1	UN1701	п	POISON**	N33	None	340	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Xylyl bromide, solid	6.1	UN3417	п	POISON**	N33	None	340	Accepted only when packaged under applicable special permit or 49CFR 173.13
	p-Xylyl diazide	Forbid- den							
	Zinc ammonium nitrite	5.1	UN1512	П	OXIDIZER		None	212	
	Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures	6.1	UN1712	п	POISON**		153	212	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Zinc ashes	4.3	UN1435	ш	DANGEROUS WHEN WET**		151	213	Accepted only when packaged under applicable special permit, 49CFR 173.13 or 173.151
	Zinc bisulfite solution see Bisulfites, inorganic aqueous solutions, n.o.s.								
	Zinc bromate	5.1	UN2469	ш	OXIDIZER		152	213	
	Zinc chlorate	5.1	UN1513	Π	OXIDIZER	N34	152	212	
	Zinc chloride, anhydrous	8	UN2331	ш	CORROSIVE		None	213	
	Zinc chloride, solution	8	UN1840	Ш	CORROSIVE		154	203	
	Zine cyanide	6.1	UN1713	I	POISON**		None	211	Accepted only when packaged under applicable special permit or 49CFR 173.13. Not to exceed 10 lb. (4.45kg) per package- see RQ Table
	Zinc dithionite or Zinc hydrosulfite	9	UN1931	Ш	NONE		155	204	
	Zinc ethyl, see Diethylzinc								
	Zinc fluorosilicate	6.1	UN2855	ш	POISON**		153	213	Accepted only when packaged under applicable special permit or 49CFR 173.13
	Zinc hydrosulfite, see Zinc dithionite								
	Zinc muriate solution, see Zinc chloride, solution								
	Zinc nitrate	5.1	UN1514	П	OXIDIZER		152	212	
	Zinc permanganate	5.1	UN1515	П	OXIDIZER		152	212	
	Zinc peroxide	5.1	UN1516	П	OXIDIZER		152	212	Accepted only when packaged under applicable
	Zinc phosphide	4.3 (6.1)	UN1714	I	DANGEROUS WHEN WET, POISON** DANGEROUS WHEN WET,	N40	None	211	special permit or 49CFR 173.13
	Zinc powder or Zinc dust	4.3 (4.2)	UN1436	Ι	DANGEROUS WHEN WEI, SPONTANEOUSLY COMBUSTIBLE DANGEROUS WHEN WET,	N40	None	211	Not Accepted by FedEx Ground
	Zinc powder or Zinc dust	4.3 (4.2)	UN1436	п	SPONTANEOUSLY COMBUSTIBLE		None	212	Not Accepted by FedEx Ground
	Zinc powder or Zinc dust	4.3 (4.2)	UN1436	ш	DANGEROUS WHEN WET, SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Zinc resinate	4.1	UN2714	ш	FLAMMABLE SOLID		151	213	
	Zinc selenate, see Selenates or Selenites								
	Zinc selenite, see Selenates or Selenites								

### FedEx Ground Hazardous Materials Table

	D.O.T. Basic Description for Hazardous Material Shipments						Packaging	(§173.***)	
Sym- bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi- cation Numbers	PG	Label codes	Special provisions	Exceptions	NonBulk	FedEx Ground Restrictions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(9)
	Zinc silicofluoride, see Zinc fluorosilicate								
	<b>Zirconium</b> , dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1	UN2858	ш	FLAMMABLE SOLID		151	213	
	Zirconium, dry, finished sheets, strip or coiled wire	4.2	UN2009	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	Zirconium hydride	4.1	UN1437	П	FLAMMABLE SOLID	N34	None	212	
	Zirconium nitrate	5.1	UN2728	III	OXIDIZER		152	213	
	<b>Zirconium picramate</b> , dry or wetted with less than 20 percent water, by mass	1.3C	UN0236	п	EXPLOSIVE 1.3C		None	62	Not Accepted by FedEx Ground
	<b>Zirconium picramate, wetted</b> with not less than 20 percent water, by mass	4.1	UN1517	I	FLAMMABLE SOLID	23, N41	None	211	
	Zirconium powder, dry	4.2	UN2008	Ι	SPONTANEOUSLY COMBUSTIBLE		None	211	Not Accepted by FedEx Ground
	Zirconium powder, dry	4.2	UN2008	П	SPONTANEOUSLY COMBUSTIBLE	N5,N34	None	212	Not Accepted by FedEx Ground
	Zirconium powder, dry	4.2	UN2008	ш	SPONTANEOUSLY COMBUSTIBLE		None	213	Not Accepted by FedEx Ground
	<b>Zirconium powder, wetted</b> with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 849 microns	4.1	UN1358	п	FLAMMABLE SOLID	N34	None	212	
	Zirconium scrap	4.2	UN1932	Ш	SPONTANEOUSLY COMBUSTIBLE	N34	None	213	Not Accepted by FedEx Ground
	Zirconium suspended in a liquid	3	UN1308	Ι	FLAMMABLE LIQUID		None	201	
	Zirconium suspended in a liquid	3	UN1308	п	FLAMMABLE LIQUID		None	202	
	Zirconium suspended in a liquid	3	UN1308	ш			150	203	
	Zirconium tetrachloride	8	UN2503	III	CORROSIVE		154	213	

# Special provisions (49 CFR 172.102)

*Tables of special provisions.* The following tables list, and set forth the requirements of, the special provisions referred to in Column 7 of the §172.102 Table or FedEx Ground Hazardous Materials Table. FedEx Ground may have additional restrictions; refer to Column 9 in the Hazardous Materials Table of this guide.

(a) General. When Column 7 of the §172.101 Table refers to a special provision for a hazardous material, the meaning and requirements of that provision are as set forth in this section. When a special provision specifies packaging or packaging requirements-

- 1) The special provision is in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable packaging requirements in subparts A and B of part 173 of this subchapter; and
- 2) To the extent a special provision imposes limitations or additional requirements on the packaging provisions set forth in Column 8 of the §172.101 Table, packagings must conform to the requirements of the special provision.

# **Code/Special Provisions**

**1** This material is poisonous by inhalation (see §171.8 of this subchapter) in Hazard Zone A (see §173.116(a) or §173.133(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.

**2** This material is poisonous by inhalation (see §171.8 of this subchapter) in Hazard Zone B (see §173.116(a) or §173.133(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.

**3** This material is poisonous by inhalation (see §171.8 of this subchapter) in Hazard Zone C (see §173.116(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.

**4** This material is poisonous by inhalation (see §171.8 of this subchapter) in Hazard Zone D (see §173.116(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.

**5** If this material meets the definition for a material poisonous by inhalation (see §171.8 of this subchapter), a shipping name must be selected which identifies the inhalation hazard, in Division 2.3 or Division 6.1, as appropriate.

**6** This material is poisonous-by-inhalation and must be described as an inhalation hazard under the provisions of this subchapter.

**7** An ammonium nitrate fertilizer is a fertilizer formulation, containing 90% or more ammonium nitrate and no more than 0.2% organic combustible material (calculated as

carbon), which does not meet the definition and criteria of a Class 1 (explosive) material (See §173.50 of this subchapter).

**8** A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.

**9** Packaging for certain PCBs for disposal and storage is prescribed by EPA in 40 CFR 761.60 and 761.65.

**10** An ammonium nitrate mixed fertilizer is a fertilizer formulation, containing less than 90% ammonium nitrate and other ingredients, which does not meet the definition and criteria of a Class 1 (explosive) material (See §173.50 of this subchapter).

**11** The hazardous material must be packaged as either a liquid or a solid, as appropriate, depending on its physical form at 55 °C (131 °F) at atmospheric pressure.

**12** In concentrations greater than 40 percent, this material has strong oxidizing properties and is capable of starting fires in contact with combustible materials. If appropriate, a package containing this material must conform to the additional labeling requirements of §172.402 of this subchapter.

**13** The words "Inhalation Hazard" shall be entered on each shipping paper in association with the shipping description, shall be marked on each non-bulk package in association with the proper shipping name and identification number, and shall be marked on two opposing sides of each bulk package. Size of marking on bulk package must conform to §172.302(b) of this subchapter. The requirements of §§172.203(m) and 172.505 of this subchapter do not apply.

**14** Motor fuel antiknock mixtures are:

a. Mixtures of one or more organic lead mixtures (such as tetraethyl lead, triethylmethyl lead, diethyldimethyl lead, ethyltrimethyl lead, and tetramethyl lead) with one or more halogen compounds (such as ethylene dibromide and ethylene dichloride), hydrocarbon solvents or other equally efficient stabilizers; or

b. tetraethyl lead.

**15** This entry applies to "Chemical kits" and "First aid kits" containing one or more compatible items of hazardous materials in boxes, cases, etc. that are used for medical, analytical, diagnostic or testing purposes. For transportation by aircraft, materials forbidden for transportation by passenger aircraft or cargo aircraft may not be included in the kits. Chemical kits and first aid kits are excepted from the specification packaging requirements of this subchapter when packaged in combination packagings. Chemical kits and first aid kits are also excepted from the labeling and placarding requirements of this subchapter, except when offered for transportation or transported by air. Chemical and first aid kits may be transported in accordance with the consumer commodity and ORM exception in § 173.156, provided they meet all required conditions. Kits that are carried on board transport vehicles for first aid or operating purposes are not subject to the requirements of this subchapter.

**16** This description applies to smokeless powder and other solid propellants that are used as powder for small arms and have been classed as Division 1.3 and 4.1 in accordance with §173.56 of this subchapter.

**18** This description is authorized only for fire extinguishers listed in §173.309(b) of this subchapter meeting the following conditions:

a. Each fire extinguisher may only have extinguishing contents that are nonflammable, non-poisonous, non-corrosive and commercially free from corroding components.

b. Each fire extinguisher must be charged with a nonflammable, non-poisonous, dry gas that has a dew-point at or below minus 46.7 °C (minus 52 °F) at 101kPa (1 atmosphere) and is free of corroding components, to not more than the service pressure of the cylinder.

c. A fire extinguisher may not contain more than 30% carbon dioxide by volume or any other corrosive extinguishing agent.

d. Each fire extinguisher must be protected externally by suitable corrosion-resisting coating.

**19** For domestic transportation only, the identification number "UN1075" may be used in place of the identification number specified in Column (4) of the §172.101 Table. The identification number used must be consistent on package markings, shipping papers and emergency response information.

**21** This material must be stabilized by appropriate means (e.g., addition of chemical inhibitor, purging to remove oxygen) to prevent dangerous polymerization (see §173.21(f) of this subchapter).

**22** If the hazardous material is in dispersion in organic liquid, the organic liquid must have a flash point above 50 °C (122 °F).

**23** This material may be transported under the provisions of Division 4.1 only if it is so packed that the percentage of diluent will not fall below that stated in the shipping description at any time during transport. Quantities of not more than 500 g per package with not less than 10 percent water by mass may also be classed in Division 4.1, provided a negative test result is obtained when tested in accordance with test series 6(c) of the UN Manual of Tests and Criteria (IBR, see § 171.7 of this subchapter).

**24** Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.

**26** This entry does not include ammonium permanganate, the transport of which is prohibited except when approved by the Associate Administrator.

**28** The dihydrated sodium salt of dichloroisocyanuric acid is not subject to the requirements of this subchapter.

**29** Lithium cells and batteries and equipment containing or packed with lithium cells and batteries which do not comply with the provisions of §173.185 of this subchapter may be transported only if they are approved by the Associate Administrator.

**30** Sulfur is not subject to the requirements of this subchapter if transported in a non-bulk packaging or if formed to a specific shape (e.g., prills, granules, pellets, pastilles, or flakes).

**31** Materials which have undergone sufficient heat treatment to render them non-hazardous are not subject to the requirements of this subchapter.

**32** Polymeric beads and molding compounds may be made from polystyrene, poly(methyl methacrylate) or other polymeric material.

**33** Ammonium nitrites and mixtures of an inorganic nitrite with an ammonium salt are prohibited.

**34** The commercial grade of calcium nitrate fertilizer, when consisting mainly of a double salt (calcium nitrate and ammonium nitrate) containing not more than 10 percent ammonium nitrate and at least 12 percent water of crystallization, is not subject to the requirements of this subchapter.

**35** Antimony sulphides and oxides which do not contain more than 0.5 percent of arsenic calculated on the total mass do not meet the definition of Division 6.1.

**36** The maximum net quantity per package is 5 L (1 gallon) or 5 kg (11 pounds).

**37** Unless it can be demonstrated by testing that the sensitivity of the substance in its frozen state is no greater than in its liquid state, the substance must remain liquid during normal transport conditions. It must not freeze at temperatures above -15°C (5°F).

**38** If this material shows a violent effect in laboratory tests involving heating under confinement, the labeling requirements of Special Provision 53 apply, and the material must be packaged in accordance with packing method OP6 in §173.225 of this subchapter. If the SADT of the technically pure substance is higher than 75 °C, the technically pure substance and formulations derived from it are not self-reactive materials and, if not meeting any other hazard class, are not subject to the requirements of this subchapter.

**39** This substance may be carried under provisions other than those of Class 1 only if it is so packed that the percentage of water will not fall below that stated at any time during transport. When phlegmatized with water and inorganic inert material, the content of urea nitrate must not exceed 75 percent by mass and the mixture should not be capable of being detonated by test 1(a)(i) or test 1(a) (ii) in the UN Recommendations Tests and Criteria (IBR, see § 171.7 of this subchapter).

**40** Polyester resin kits consist of two complete components: a base material (Class 3, Packing Group II or III) and an activator (organic peroxide), each separately packed in an

inner packaging. The organic peroxide must be Type D, E, or F, not requiring temperature control, and be limited to a quantity of 125 mL (4.22 ounces) per inner packaging if liquid, and 500 g (1 pound) if solid. The components may be placed in the same outer packaging provided they will not interact dangerously in the event of leakage. Packing group will be II or III, according to the criteria for Class 3, applied to the base material.

**43** The membrane filters, including paper separators and coating or backing materials, that are present in transport, must not be able to propagate a detonation as tested by one of the tests described in the UN Manual of Tests and Criteria, Part I, Test series 1(a) (IBR, see § 171.7 of this subchapter). On the basis of the results of suitable burning rate tests, and taking into account the standard tests in the UN Manual of Tests and Criteria, Part III, subsection 33.2.1 (IBR, see § 171.7 of this subchapter), nitrocellulose membrane filters in the form in which they are to be transported that do not meet the criteria for a Division 4.1 material are not subject to the requirements of this subchapter. Packagings must be so constructed that explosion is not possible by reason of increased internal pressure. Nitrocellulose membrane filters to the requirements of this subchapter when contained individually in an article or a sealed packet.

**44** The formulation must be prepared so that it remains homogenous and does not separate during transport. Formulations with low nitrocellulose contents and neither showing dangerous properties when tested for their ability to detonate, deflagrate or explode when heated under defined confinement by the appropriate test methods and criteria in the UN Recommendations, Tests and Criteria (IBR, see § 171.7 of this subchapter), nor classed as a Division 4.1 (flammable solid) when tested in accordance with the procedures specified in § 173.124 of this subchapter (chips, if necessary, crushed and sieved to a particle size of less than 1.25 mm) are not subject to the requirements of this subchapter.

**46** This material must be packed in accordance with packing method OP6 (see §173.225 of this subchapter). During transport, it must be protected from direct sunshine and stored (or kept) in a cool and well-ventilated place, away from all sources of heat.

**47** Mixtures of solids that are not subject to this subchapter and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Except when the liquids are fully absorbed in solid material contained in sealed bags, each packaging must correspond to a designed type that has passed a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed into a solid material are not subject to this subchapter provided there is no free liquid in the packet.

**48** Mixtures of solids which are not subject to this subchapter and toxic liquids may be transported under this entry without first applying the classification criteria of Division 6.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level. This entry may not be used for solids containing a Packing Group I liquid.

**49** Mixtures of solids which are not subject to this subchapter and corrosive liquids may be transported under this entry without first applying the classification criteria of Class 8, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level.

**50** Cases, cartridge, empty with primer which are made of metallic or plastic casings and meeting the classification criteria of Division 1.4 are not regulated for domestic transportation.

**51** This description applies to items previously described as "Toy propellant devices, Class C" and includes reloadable kits. Model rocket motors containing 30 grams or less propellant are classed as Division 1.4S and items containing more than 30 grams of propellant but not more than 62.5 grams of propellant are classed as Division 1.4C.

**52** This entry may only be used for substances that do not exhibit explosive properties of Class1 (explosive) when tested in accordance with Test Series 1 and 2 of Class 1 (explosive) in the UN Manual of Tests and Criteria, Part I (incorporated by reference: see § 171.7 of this subchapter).

**53** Packages of these materials must bear the subsidiary risk label, "EXPLOSIVE", and the subsidiary hazard class/division must be entered in parentheses immediately following the primary hazard class in the shipping description, unless otherwise provided in this subchapter or through an approval issued by the Associate Administrator, or the competent authority of the country or origin. A copy of the approval shall accompany the shipping papers.

**54** Maneb or maneb preparations not meeting the definition of Division 4.3 or any other hazard class are not subject to the requirements of this subchapter when transported by motor vehicle, rail car, or aircraft.

**55** This device must be approved in accordance with §173.56 of this subchapter by the Associate Administrator.

**56** A means to interrupt and prevent detonation of the detonator from initiating the detonating cord must be installed between each electric detonator and the detonating cord ends of the jet perforating guns before the charged jet perforating guns are offered for transportation.

**57** Maneb or Maneb preparations stabilized against self-heating need not be classified in Division 4.2 when it can be demonstrated by testing that a volume of 1 m3 of substance does not self-ignite and that the temperature at the center of the sample does not exceed 200 °C, when the sample is maintained at a temperature of not less than 75 °C  $\pm$  2 °C for a period of 24 hours, in accordance with procedures set forth for testing self-heating materials in the UN Manual of Tests and Criteria (IBR, see § 171.7 of this subchapter).

**58** Aqueous solutions of Division 5.1 inorganic solid nitrate substances are considered as not meeting the criteria of Division 5.1 if the concentration of the substances in solution at the minimum temperature encountered in transport is not greater than 80% of the saturation limit.

**59** Ferrocerium, stabilized against corrosion, with a minimum iron content of 10 percent is not subject to the requirements of this subchapter.

**60** After September 30, 1997, an oxygen generator, chemical, that is shipped with its means of initiation attached must incorporate at least two positive means of preventing unintentional actuation of the generator, and be classed and approved by the Associate Administrator. The procedures for approval of a chemical oxygen generator that contains an explosive means of initiation (e.g., a primer or electric match) are specified in § 173.56 of this subchapter. Each person who offers a chemical oxygen generator for transportation after September 30, 1997, shall: (1) ensure that it is offered in conformance with the conditions of the approval; (2) maintain a copy of the approval at each facility where the chemical oxygen generator is packaged; and (3) mark the approval number on the outside of the package.

**61** A chemical oxygen generator is spent if its means of ignition and all or a part of its chemical contents have been expended.

The group of alkali metals includes lithium, sodium, potassium, rubidium, and caesium.

The group of alkaline earth metals includes magnesium, calcium, strontium, and barium.

Formulations of these substances containing not less than 30 percent non-volatile, non-flammable phlegmatizer are not subject to this subchapter.

Black powder that has been classed in accordance with the requirements of §173.56 of this subchapter may be reclassed and offered for domestic transportation as a Division 4.1 material if it is offered for transportation and transported in accordance with the limitations and packaging requirements of §173.170 of this subchapter.

**74** During transport, this material must be protected from direct sunshine and stored or kept in a cool and well-ventilated place, away from all sources of heat.

For domestic transportation, a Division 5.1 subsidiary risk label is required only if a carbon dioxide and oxygen mixture contains more than 23.5% oxygen.

This entry may not be used to describe compressed air which contains more than 23.5 percent oxygen. An oxidizer label is not required for any oxygen concentration of 23.5 percent or less.

This entry may not be used for mixtures that meet the definition for oxidizing gas.

Polychlorinated biphenyl items, as defined in 40 CFR 761.3, for which specification packagings are impractical, may be packaged in non-specification packagings meeting the

general packaging requirements of subparts A and B of part 173 of this subchapter. Alternatively, the item itself may be used as a packaging if it meets the general packaging requirements of subparts A and B of part 173 of this subchapter.

The name of the particular substance or article must be specified.

**102** The ends of the detonating cord must be tied fast so that the explosive cannot escape. The articles may be transported as in Division 1.4 Compatibility Group D (1.4D) if all of the conditions specified in §173.63(a) of this subchapter are met.

Detonators which will not mass detonate and undergo only limited propagation in the shipping package may be assigned to 1.4B classification code. Mass detonate means that more than 90 percent of the devices tested in a package explode practically simultaneously. Limited propagation means that if one detonator near the center of a shipping package is exploded, the aggregate weight of explosives, excluding ignition and delay charges, in this and all additional detonators in the outside packaging that explode may not exceed 25 grams.

The word "Agents" may be used instead of "Explosives" when approved by the Associate Administrator.

The recognized name of the particular explosive may be specified in addition to the type.

**107** The classification of the substance is expected to vary especially with the particle size and packaging but the border lines have not been experimentally determined; appropriate classifications should be verified following the test procedures in §§173.57 and 173.58 of this subchapter.

Fireworks must be so constructed and packaged that loose pyrotechnic composition will not be present in packages during transportation.

Rocket motors must be nonpropulsive in transportation unless approved in accordance with §173.56 of this subchapter. A rocket motor to be considered "nonpropulsive" must be capable of unrestrained burning and must not appreciably move in any direction when ignited by any means.

**110** Fire extinguishers transported under UN1044 may include installed actuating cartridges (cartridges, power device of Division 1.4C or 1.4S), without changing the classification of Division 2.2, provided the aggregate quantity of deflagrating (propellant) explosives does not exceed 3.2 grams per extinguishing unit.

Explosive substances of Division 1.1 Compatibility Group A (1.1A) are forbidden for transportation if dry or not desensitized, unless incorporated in a device.

The sample must be given a tentative approval by an agency or laboratory in accordance with §173.56 of this subchapter.

**114** Jet perforating guns, charged, oil well, without detonator may be reclassed to Division 1.4 Compatibility Group D (1.4D) if the following conditions are met:

- a. The total weight of the explosive contents of the shaped charges assembled in the guns does not exceed 90.5 kg (200 pounds) per vehicle; and
- b. The guns are packaged in accordance with Packing Method US 1 as specified in §173.62 of this subchapter.

**115** Boosters with detonator, detonator assemblies and boosters with detonators in which the total explosive charge per unit does not exceed 25 g, and which will not mass detonate and undergo only limited propagation in the shipping package may be assigned to 1.4B classification code. Mass detonate means more than 90 percent of the devices tested in a package explode practically simultaneously. Limited propagation means that if one booster near the center of the package is exploded, the aggregate weight of explosives, excluding ignition and delay charges, in this and all additional boosters in the outside packaging that explode may not exceed 25 g.

**116** Fuzes, detonating may be classed in Division 1.4 if the fuzes do not contain more than 25 g of explosive per fuze and are made and packaged so that they will not cause functioning of other fuzes, explosives or other explosive devices if one of the fuzes detonates in a shipping packaging or in adjacent packages.

**117** If shipment of the explosive substance is to take place at a time that freezing weather is anticipated, the water contained in the explosive substance must be mixed with denatured alcohol so that freezing will not occur.

**118** This substance may not be transported under the provisions of Division 4.1 unless specifically authorized by the Associate Administrator.

**119** This substance, when in quantities of not more than 11.5 kg (25.3 pounds), with not less than 10 percent water, by mass, also may be classed in Division 4.1, provided a negative test result is obtained when tested in accordance with test series 6(c) of the UN Manual of Tests and Criteria (IBR, see §171.7 of this subchapter).

**120** The phlegmatized substance must be significantly less sensitive than dry PETN.

**121** This substance, when containing less alcohol, water or phlegmatizer than specified, may not be transported unless approved by the Associate Administrator.

**123** Any explosives, blasting, type C containing chlorates must be segregated from explosives containing ammonium nitrate or other ammonium salts.

**125** Lactose or glucose or similar materials may be used as a phlegmatizer provided that the substance contains not less than 90%, by mass, of phlegmatizer. These mixtures may be classified in Division 4.1 when tested in accordance with test series 6(c) of the UN Manual of Tests and Criteria (IBR, see § 171.7 of this subchapter) and approved by the Associate Administrator. Testing must be conducted on at least three packages as prepared for

transport. Mixtures containing at least 98%, by mass, of phlegmatizer are not subject to the requirements of this subchapter. Packages containing mixtures with not less than 90% by mass, of phlegmatizer need not bear a POISON subsidiary risk label.

**127** Mixtures containing oxidizing and organic materials transported under this entry may not meet the definition and criteria of a Class 1 material. (See § 173.50 of this subchapter.)

**128** Regardless of the provisions of § 172.101(c)(12), aluminum smelting by-products and aluminum remelting by-products described under this entry, meeting the definition of Class 8, Packing Group II and III may be classed as a Division 4.3 material and transported under this entry. The presence of a Class 8 hazard must be communicated as required by this Part for subsidiary hazards.

**129**. These materials may not be classified and transported unless authorized by the Associate Administrator on the basis of results from Series 2 Test and a Series 6(c) Test from the UN Manual of Tests and Criteria (IBR, see § 171.7 of this subchapter) on packages as prepared for transport. The packing group assignment and packaging must be approved by the Associate Administrator on the basis of the criteria in § 173.21 of this subchapter and the package type used for the Series 6(c) test.

**130**. For other than a dry battery specifically covered by another entry in the § 172.101 Table, "Batteries, dry" are not subject to the requirements of this subchapter only when they are securely packaged and offered offered for transportation in a manner that prevents the dangerous evolution of heat (for example, by the effective insulation of exposed terminals) and protects against short circuits..

**131**. This material may not be offered for transportation unless approved by the Associate Administrator.

**132**. This entry may only be used for uniform, ammonium nitrate based fertilizer mixtures, containing nitrogen, phosphate or potash, meeting the following criteria: (1) Contains not more than 70% ammonium nitrate and not more the 0.4% total combustible, organic material calculated as carbon or (2) Contains not more than 45% ammonium nitrate and unrestricted combustible material.

**134**. This entry only applies to vehicles, machinery and equipment powered by wet batteries, sodium batteries or lithium batteries that are transported with these batteries installed. Examples of such items are electrically-powered cars, lawn mowers, wheelchairs and other mobility aids. Self-propelled vehicles which also contain an internal combustion engine must be consigned under the entry "Vehicle, flammable gas powered" or "Vehicle, flammable liquid powered", as appropriate. Except as provided in Special Provision A102, vehicles, machinery and equipment powered by primary lithium batteries that are transported with these batteries installed are forbidden aboard passenger-carrying aircraft.

**135**. The entries "Vehicle, flammable gas powered" or "Vehicle, flammable liquid powered", as appropriate, must be used when internal combustion engines are installed in a vehicle.

These entries include hybrid electric vehicles powered by both an internal combustion engine and batteries.

**136**. This entry only applies to machinery and apparatus containing hazardous materials as in integral element of the machinery or apparatus. It may not be used to describe machinery or apparatus for which a proper shipping name exists in the § 172.101 Table. Except when approved by the Associate Administrator, machinery or apparatus may only contain hazardous materials for which exceptions are referenced in Column (8) of the § 172.101 Table and are provided in part 173, subpart D, of this subchapter. Hazardous materials shipped under this entry are excepted from the labeling requirements of this subchapter unless offered for transportation or transported by aircraft and are not subject to the placarding requirements of part 172, subpart F, of this subchapter. Orientation markings as described in § 172.312(a)(2) are required when liquid hazardous materials may escape due to incorrect orientation. The machinery or apparatus, if unpackaged, or the packaging in which it is contained shall be marked "Dangerous goods in machinery" or "Dangerous goods in apparatus", as appropriate, with the identification number UN3363. For transportation by aircraft, machinery or apparatus may not contain any material forbidden for transportation by passenger or cargo aircraft. The Associate Administrator may except from the requirements of this subchapter, equipment, machinery and apparatus provided:

- a. It is shown that it does not pose a significant risk in transportation;
- b. The quantities of hazardous materials do not exceed those specified in § 173.4 of this subchapter; and
- c. The equipment, machinery or apparatus conforms with § 173.222 of this subchapter.

**137**. Cotton, dry; flax, dry; and sisal, dry are not subject to the requirements of this subchapter when they are baled in accordance with ISO 8115, "Cotton Bales - Dimensions and Density" (IBR, see § 171.7 of this subchapter) to a density of not less than 360 kg/m<sup>3</sup> (22.1 lb/ft<sup>3</sup>) for cotton, 400 kg/m<sup>3</sup> (24.97 lb/ft<sup>3</sup>) for flax and 620 kg/m<sup>3</sup> (38.71 lb/ft<sup>3</sup>) for sisal and transported in a freight container or closed transport vehicle.

**138**. Lead compounds which, when mixed in a ratio of 1:1000 with 0.07M (Molar concentration) hydrochloric acid and stirred for one hour at a temperature of  $23^{\circ}C \pm 2^{\circ}C$ , exhibit a solubility of 5% or less are considered insoluble.

**139**. Use of the "special arrangement" proper shipping names for international shipments must be made under an IAEA Certificate of Competent Authority issued by the Associate Administrator in accordance with the requirements in § 173.471, § 173.472, or § 173.473 of this subchapter. Use of these proper shipping names for domestic shipments may be made only under a DOT exemption, as defined in, and in accordance with the requirements of subpart B of part 107 of this subchapter.

**140**. This material is regulated only when it meets the defining criteria for a hazardous substance or a marine pollutant. In addition, the column 5 reference is modified to read "III" on those occasions when this material is offered for transportation or transported by highway or rail.

**141**. A toxin obtained from a plant, animal, or bacterial source containing an infectious substance, or a toxin contained in an infectious substance, must be classed as Division 6.2, described as an infectious substance, and assigned to UN 2814 or UN 2900, as appropriate.

**142**. These hazardous materials may not be classified and transported unless authorized by the Associate Administrator. The Associate Administrator will base the authorization on results from Series 2 tests and a Series 6(c) test from the UN Manual of Tests and Criteria (IBR, see § 171.7 of this subchapter) on packages as prepared for transport in accordance with the requirements of this subchapter.

**144** If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see Sec. 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.

**145** This entry applies to formulations that neither detonate in the cavitated state nor deflagrate in laboratory testing, show no effect when heated under confinement, exhibit no explosive power, and are thermally stable (self-accelerating decomposition temperature (SADT) at 60 [deg]C (140 [deg]F) or higher for a 50 kg (110.2 lbs.) package). Formulations not meeting these criteria must be transported under the provisions applicable to the appropriate entry in the Organic Peroxide Table in Sec. 173.225 of this subchapter.

**146** This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in Sec. 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.

**147** This entry applies to non-sensitized emulsions, suspensions and gels consisting primarily of a mixture of ammonium nitrate and a fuel intended to produce a Type E blasting explosive only after further processing. The mixture typically has the following composition: 60--85% ammonium nitrate; 5--30% water; 2--8% fuel; 0.5--4% emulsifier or thickening agent; 0--10% soluble flame suppressants; and trace additives. Other inorganic nitrate salts may replace part of the ammonium nitrate. These substances may not be classified and transported unless approved by the Associate Administrator.

**149** When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in Sec. 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).

**150** This description may be used only for uniform mixtures of fertilizers containing ammonium nitrate as the main ingredient within the following composition limits: a. Not less than 90% ammonium nitrate with not more than 0.2% total combustible, organic material calculated as carbon, and with added matter, if any, that is inorganic and inert when in contact with ammonium nitrate; or b. Less than 90% but more than 70% ammonium nitrate with other inorganic materials, or more than 80% but less than 90% ammonium nitrate mixed with calcium carbonate and/or dolomite, and not more than 0.4% total combustible, organic material calculated as carbon; or c. Ammonium nitrate-based fertilizers containing mixtures of ammonium nitrate and ammonium sulphate with more than 45% but less than 70% ammonium nitrate, and not more than 0.4% total combustible, organic material calculated as carbon such that the sum of the percentage of compositions of ammonium nitrate and ammonium sulphate exceeds 70%.

**151** If this material meets the definition of a flammable liquid in Sec.173.120 of this subchapter, a FLAMMABLE LIQUID label is also required and the basic description on the shipping paper must indicate the Class 3 subsidiary hazard.

**155** Fish meal or fish scrap may not be transported if the temperature at the time of loading either exceeds 35 [deg]C (95 [deg]F), or exceeds 5 [deg]C (41 [deg]F) above the ambient temperature, whichever is higher.

156 Asbestos that is immersed or fixed in a natural or artificial binder material, such as cement, plastic, asphalt, resins or mineral ore, or contained in manufactured products is not subject to the requirements of this subchapter.

**157** This entry includes hybrid electric vehicles powered by both an internal combustion engine and wet, sodium or lithium batteries installed. Vehicles containing an internal combustion engine must be consigned under the entry ``Vehicle, flammable gas powered" or ``Vehicle, flammable liquid powered", as appropriate. Except as provided in Special Provision A102, vehicles powered by primary lithium batteries, that are transported with these batteries installed are forbidden aboard passenger-carrying aircraft.

159 This material must be protected from direct sunshine and kept in a cool, well-ventilated place away from sources of heat.

**160** This entry applies to articles that are used as life-saving vehicle air bag inflators, air bag modules or seat-belt pretensioners containing Class 1 (explosive) materials or materials of other hazard classes. Air bag inflators and modules must be tested in accordance with Test series 6(c) of Part I of the UN Manual of Tests and Criteria (incorporated by reference; see Sec. 171.7 of this subchapter), with no explosion of the device, no fragmentation of device casing or pressure vessel, and no projection hazard or thermal effect that would significantly hinder fire-fighting or other emergency response efforts in the immediate vicinity. If the air bag inflator unit satisfactorily passes the series 6(c) test, it is not necessary to repeat the test on the air bag module.

**161** For domestic transport, air bag inflators, air bag modules or seat belt pretensioners that meet the criteria for a Division 1.4G explosive must be transported using the description, ``Articles, pyrotechnic for technical purposes," UN0431.

**162** This material may be transported under the provisions of Division 4.1 only if it is packed so that at no time during transport will the percentage of diluent fall below the percentage that is stated in the shipping description.

**163** Substances must satisfactorily pass Test Series 8 of the UN Manual of Tests and Criteria, Part I, Section 18 (IBR, see Sec. 171.7 of this subchapter).

**164** Substances must not be transported under this entry unless approved by the Associate Administrator on the basis of the results of appropriate tests according to Part I of the UN Manual of Tests and Criteria (IBR, see Sec. 171.7 of this subchapter). The material must be packaged so that the percentage of diluent does not fall below that stated in the approval at any time during transportation.

These substances are susceptible to exothermic decomposition at elevated temperatures. Decomposition can be initiated by heat, moisture or by impurities (e.g., powdered metals (iron, manganese, cobalt, magnesium)). During the course of transportation, these substances must be shaded from direct sunlight and all sources of heat and be placed in adequately ventilated areas.

When transported in non-friable tablet form calcium hypochlorite, dry or hydrated, may be transported as a Packing Group III material.

These storage systems shall always be considered as containing hydrogen.

Air must be eliminated from the vapor space by nitrogen or other means.

This entry may only be used when the material is transported in non-friable tablet form or for granular or powered mixtures that have been shown to meet the PG III criteria in Sec. 173.127.

This entry includes alcohol mixtures containing up to 5% petroleum products.

An appropriate generic entry may be used for this material.

"N" codes as found in column 7 of the §172.102 Table or FedEx ground Hazardous Materials Table. FedEx Ground may have additional restrictions; refer to Column 9 of this guide.

# **Code/Special Provisions**

**N3** Glass inner packagings are permitted in combination or composite packagings only if the hazardous material is free from hydrofluoric acid.

**N4** For combination or composite packagings, glass inner packagings, other than ampoules, are not permitted.

**N5** Glass materials of construction are not authorized for any part of a packaging which is normally in contact with the hazardous material.

**N6** Battery fluid packaged with electric storage batteries, wet or dry, must conform to the packaging provisions of §173.159 (g) or (h) of this subchapter.

**N7** The hazard class or division number of the material must be marked on the package in accordance with §172.302 of this subchapter. However, the hazard label corresponding to the hazard class or division may be substituted for the marking.

**N8** Nitroglycerin solution in alcohol may be transported under this entry only when the solution is packed in metal cans of not more than 1 L capacity each, overpacked in a wooden box containing not more than 5 L. Metal cans must be completely surrounded with absorbent cushioning material. Wooden boxes must be completely lined with a suitable material impervious to water and nitroglycerin.

**N10** Lighters and their inner packagings, which have been approved by the Associate Administrator (see §173.21(i) of this subchapter), must be packaged in one of the following outer packagings at the Packing Group II level: 4C1 or 4C2 wooden boxes; 4D plywood boxes; 4F reconstituted wood boxes; 4G fiberboard boxes; or 4H1 or 4H2 plastic boxes. The approval number (e.g., T-\* \* \*) must be marked on each outer package and on the shipping paper.

**N11** This material is excepted for the specification packaging requirements of this subchapter if the material is packaged in strong, tight non-bulk packaging meeting the requirements of subparts A and B of part 173 of this subchapter.

**N12** Plastic packagings are not authorized.

**N20** A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle.

N25 Steel single packagings are not authorized.

**N32** Aluminum materials of construction are not authorized for single packagings.

**N33** Aluminum drums are not authorized.

**N34** Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.

**N36** Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum.

**N37** This material may be shipped in an integrally-lined fiber drum (1G) which meets the general packaging requirements of subpart B of part 173 of this subchapter, the requirements of part 178 of this subchapter at the packing group assigned for the material and to any other special provisions of column 7 of the §172.101 table.

**N40** This material is not authorized in the following packagings:

- a. A combination packaging consisting of a 4G fiberboard box with inner receptacles of glass or earthenware;
- b. A single packaging of a 4C2 sift-proof, natural wood box; or
- c. A composite packaging 6PG2 (glass, porcelain or stoneware receptacles within a fiberboard box).

**N41** Metal construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.

**N42** 1A1 drums made of carbon steel with thickness of body and heads of not less than 1.3 mm (0.050 inch) and with a corrosion-resistant phenolic lining are authorized for stabilized benzyl chloride if tested and certified to the Packing Group I performance level at a specific gravity of not less than 1.8.

**N43** Metal drums are permitted as single packagings only if constructed of nickel or monel.

**N45** Copper cartridges are authorized as inner packagings if the hazardous material is not in dispersion.

**N65** Outage must be sufficient to prevent cylinders or spheres from becoming liquid full at 55 °C (130 °F). The vacant space (outage) may be charged with a nonflammable nonliquefied compressed gas if the pressure in the cylinder or sphere at 55 °C (130 °F) does not exceed 125 percent of the marked service pressure.

**N72** Packagings must be examined by the Bureau of Explosives and approved by the Associate Administrator.

**N73** Packagings consisting of outer wooden or fiberboard boxes with inner glass, metal or other strong containers; metal or fiber drums; kegs or barrels; or strong metal cans are authorized and need not conform to the requirements of part 178 of this subchapter.

**N74** Packages consisting of tightly closed inner containers of glass, earthenware, metal or polyethylene, capacity not over 0.5 kg (1.1 pounds) securely cushioned and packed in outer wooden barrels or wooden or fiberboard boxes, not over 15 kg (33 pounds) net weight, are authorized and need not conform to the requirements of part 178 of this subchapter.

**N75** Packages consisting of tightly closed inner packagings of glass, earthenware or metal, securely cushioned and packed in outer wooden barrels or wooden or fiberboard boxes, capacity not over 2.5 kg (5.5 pounds) net weight, are authorized and need not conform to the requirements of part 178 of this subchapter.

**N76** For materials of not more than 25 percent active ingredient by weight, packages consisting of inner metal packagings not greater than 250 mL (8 ounces) capacity each, packed in strong outer packagings together with sufficient absorbent material to completely absorb the liquid contents are authorized and need not conform to the requirements of part 178 of this subchapter.

**N77** For materials of not more than two percent active ingredients by weight, packagings need not conform to the requirements of part 178 of this subchapter, if liquid contents are absorbed in an inert material.

**N78** Packages consisting of inner glass, earthenware, or polyethylene or other non-fragile plastic bottles or jars not over 0.5 kg (1.1 pounds) capacity each, or metal cans not over five pounds capacity each, packed in outer wooden boxes, barrels or kegs, or fiberboard boxes are authorized and need not conform to the requirements of part 178 of this subchapter. Net weight of contents in fiberboard boxes may not exceed 29 kg (64 pounds). Net weight of contents in wooden boxes, barrels or kegs may not exceed 45 kg (99 pounds).

**N79** Packages consisting of tightly closed metal inner packagings not over 0.5 kg (1.1 pounds) capacity each, packed in outer wooden or fiberboard boxes, or wooden barrels, are authorized and need not conform to the requirements of part 178 of this subchapter. Net weight of contents may not exceed 15 kg (33 pounds).

**N80** Packages consisting of one inner metal can, not over 2.5 kg (5.5 pounds) capacity, packed in an outer wooden or fiberboard box, or a wooden barrel, are authorized and need not conform to the requirements of part 178 of this subchapter.

**N82** See §173.306 of this subchapter for classification criteria for flammable aerosols.

**N83** This material may not be transported in quantities of more than 11.5 kg (25.4 lbs.) per package.

**N84** The maximum quantity per package is 500g (1.1 lbs.).

**N85** Packages certified at the Packing Group I performance level may not be used.

### Appendix A to 172.101 List of Hazardous Substances and Reportable Quantities (RQ)

This Appendix lists materials and their corresponding reportable quantities (RQ) that are listed or designated as "Hazardous Substances" and are further regulated by other federal and state authorities. This list contains only substances with a one (1) or ten (10) pound RQ rating. Please refer to 49CFR 172.101 Appendix A for materials with higher RQ ratings. This list **does not** include radionuclides. FedEx Ground does not accept packages that have a net weight equal to or more than the applicable RQ number. Except for those materials listed in the FedEx Ground Hazardous Material Table by name, the material may not be regulated if the material has a net weight prepackage less then the RQ rating. It is the shipper's responsibility to determine if their material, when packaged, meets or exceeds the RQ rating.

The following symbols may apply. Please refer to the "Code" column of the Hazardous Substance Listing Table:

\* The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

\*\* The RQ for asbestos is limited to friable forms only.

\*\*\* Indicates that the name was added by PHMSA because (1) the name is a synonym for a specific hazardous substance and (2) the name appears in the Hazardous Materials Table as a proper shipping name.

Code	Hazardous Substance	Reportable Quantity
		(RQ)/ pounds (kilograms)
	Acetamide, N-fluoren-2-yl	1 (0.454 kg)
	Acetic acid, fluoro-,sodium salt	10 (4.54kg)
	Acetic acid, lead (2+) salt	10 (4.54kg)
	Acetone cyanohydrin	10 (4.54kg)
	2-Acetylaminofluorene	1 (0.454 kg)
	1-Acetyl-2-thiourea	1 (0.454 kg)
	Acrolein	1 (0.454 kg)
	AldicarbD	1 (0.454 kg)
	Aldrin	1 (0.454 kg)
	4-Aminobiphyenyl	1 (0.454 kg)
	Amitrole	10 (4.54kg)
	Ammonium bichromate	10 (4.54kg)
	Ammonium chromate	10 (4.54kg)
***	Ammonium dichromate	10 (4.54kg)
	Ammonium picrate	10 (4.54kg)
	Argentate(1-),bis(cyano-C)-,potassium	1 (0.454 kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Aroclor 1016	1 (0.454 kg)
	Aroclor 1221	1 (0.454 kg)
	Aroclor 1232	1 (0.454 kg)
	Aroclor 1242	1 (0.454 kg)
	Aroclor 1248	1 (0.454 kg)
	Aroclor 1254	1 (0.454 kg)
	Aroclor 1260	1 (0.454 kg)
*	Arsenic	1 (0.454 kg)
	Arsenic acid	1 (0.454 kg)
	Arsenic acid H3AsO4	1 (0.454 kg)
	Arsenic disulfide	1 (0.454 kg)
	Arsenic oxide As203	1 (0.454 kg)
	Arsenic oxide As205	1 (0.454 kg)
	Arsenic pentoxide	1 (0.454 kg)
	Arsenic trichloride	1 (0.454 kg)
	Arsenic trioxide	1 (0.454 kg)
	Arsenic trisulfide	1 (0.454 kg)
	Arsine, diethyl	1 (0.454 kg)
	Arsinic acid, dimethyl	1 (0.454 kg)
	Arsonous dichloride, phenyl-	1 (0.454 kg)
**	Asbestos	1 (0.454 kg)
	Azaserine	1 (0.454 kg)
	Aziridine	1 (0.454 kg)
	Aziridine, 2-methyl-	1 (0.454 kg)
	Azirino[2',3':3,4]pyrrolo(1,2-a)indole-4,7-dione,6-amino-8- [[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a, 8b-hexahydro-8a- methoxy-5-methyl-,[1aS-[aalpha,8beta,8aalpha,8balpha)]-	10 (4.54kg)
	Barium cyanide	10 (4.54kg)
	Benz[j]aceanthrylene,1,2-dihydro-3-methyl-	10 (4.54kg)
	Benz[a]anthracene	10 (4.54kg)
	1.2-Benzanthracene	10 (4.54kg)
	Benz[a]anthracene, 7,12-dimethyl-	1 (0.454 kg)
	Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54kg)
	Benzenamine, 4,4'-methylenebis(2-chloro-	10 (4.54kg)
	Benzene	10 (4.54kg)
	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro	1 (0.454 kg)
	Benzene, hexachloro-	10 (4.54kg)
	Benzene, 1-methyl-2, 4-dinitro-	10 (4.54kg)
	Benzene, pentachloro-	10 (4.54kg)
	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	1 (0.454 kg)
	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy)	1 (0.454 kg)
	Benzene, (trichloromethyl)	10 (4.54kg)
	Benzene, 1,3,5-trinitro-	10 (4.54kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-	
	hydroxy-,ethyl ester	10 (4.54kg)
	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54kg)
	Benzenediamine, ar-methyl-	10 (4.54kg)
	1,2-Benzenedicarboxylic acid, dibutyl ester	10 (4.54kg)
	Benzidine	1 (0.454 kg)
	Benzo[a]anthracene	10 (4.54kg)
	1,3-Benzodioxole, 5-propyl-	10 (4.54kg)
	Benzo[b]fluoranthene	1 (0.454 kg)
	Benzo[a]pyrene	1(0.454 kg)
	3,4-Benzopyrene	1 (0.454 kg)
	p-Benzoquinone	10 (4.54kg)
	Benzo[rst]pentaphene	10 (4.54kg)
	Benzotrichloride	10 (4.54kg)
*	Beryllium	10 (4.54kg)
	Beryllium chloride	1 (0.454 kg)
*	Beryllium dust	10 (4.54kg)
	Beryllium fluoride	1 (0.454 kg)
	Beryllium nitrate	1 (0.454 kg)
	alpha-BHC	10 (4.54kg)
	beta- BHC	1 (0.454 kg)
	delta-BHC	1 (0.454 kg)
	gamma-BHC	1 (0.454 kg)
	2,2' -Bioxirane	10 (4.54kg)
	(1,1'-Biphenyl)-4,4'-diamine	1 (0.454 kg)
	(1,1'-Biphenyl)-4, 4'-diamine,3,3'-dichloro-	1 (0.454 kg)
	(1,1'-Biphenyl)-4, 4'-diamine,3,3'-dimethoxy-	10 (4.54kg)
	(1,1'-Biphenyl)-4, 4'-diamine,3,3'-dimethyl-	10 (4.54kg)
	Bis(2-chloroethyl) ether	10 (4.54kg)
	1,3-Butadiene	10 (4.54kg)
	1,3-Butadiene,1,1,2,3,4,4-hexachloro-	1 (0.454 kg)
	1-Butanamine, N-butyl-N-nitroso-	10 (4.54kg)
	2-Butanone peroxide	10 (4.54kg)
	2-Butene, 1,4-dichloro-	10 (4.54 kg) 1 (0.454 kg)
	2-Butenoic acid, 2-methyl-,7[[2, 3-dihydroxy-2-(1-methoxyethyl)-	1 (0.454 Kg)
	3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-	10 (4.54kg)
	1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*), 7aalpha]]-	
	n-Butyl phthalate	10 (4.54kg)
	Cacodylic acid	1 (0.454 kg)
*	Cadmium	10 (4.54kg)
	Cadmium acetate	10 (4.54kg)
	Cadmium bromide	10 (4.54kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Cadmium chloride	10 (4.54kg)
	Calcium arsenate	1 (0.454 kg)
	Calcium arsenite	1 (0.454 kg)
	Calcium carbide	10 (4.54kg)
	Calcium chromate	10 (4.54kg)
	Calcium cyanide	10 (4.54kg)
	Calcium cyanide Ca(CN)2	10 (4.54kg)
	Calcium hypochlorite	10 (4.54kg)
	Camphene, octachloro-	1 (0.454 kg)
	Captan	1 (0.454 kg)
	Carbamic acid, methylnitroso-,ethyl ester	1 (0.454 kg)
	Carbamic chloride, dimethyl-	1 (0.454 kg)
	Carbamide, thio-	10 (4.54kg)
	Carbofuran	10 (4.54kg)
	Carbonic dichloride	10 (4.54kg)
	Carbon tetrachloride	10 (4.54kg)
	Chlorambucil	10 (4.54kg)
	Chlordane	1 (0.454 kg)
	Chlordane, alpha & gamma isomers	1 (0.454 kg)
	Chlordane, technical	1 (0.454 kg)
	Chlorine	10 (4.54kg)
	Chlorobenzilate	10 (4.54kg)
	Chloroform	10 (4.54kg)
	Chloromethyl methyl ether	1 (0.454 kg)
	Chlorpyrifos	1 (0.454 kg)
	Chromic acid	10 (4.54kg)
	Chromic acid H2CrO4, calcium salt	10 (4.54kg)
	Coke Oven Emissions	1 (0.454 kg)
***	Copper chloride	10 (4.54kg)
	Copper cyanide	10 (4.54kg)
	Copper cyanide CuCN	10 (4.54kg)
	Coumaphos	10 (4.54kg)
	Cresote	1 (0.454 kg)
	Cupric acetoarsenite	1 (0.454 kg)
	Cupric chloride	10 (4.54kg)
	Cupric sulfate	10 (4.54kg)
	Cyanides(soluble salts and complexes) not otherwise specified	10 (4.54kg)
	Cyanogen chloride	10 (4.54kg)
	Cyanogen chloride (CN)C1	10 (4.54kg)
	2,5-Cyclohexadiene-1, 4-dione	10 (4.54kg)
	Cyclohexane, 1, 2, 3, 4, 5, 6-hexachloro-, (1alpha, 2alpha, 3beta,	10 (T.JTKg)
	4alpha, 5alpha, 6beta)-	1 (0.454 kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	1,3-Cyclopentadiene,1,2,3,4,5,5-hexachloro-	10 (4.54kg)
	Cyclophosphamide	10 (4.54kg)
	Daunomycin	10 (4.54kg)
	DDD	1 (0.454 kg)
	4,4'-DDD	1 (0.454 kg)
	DDE	1 (0.454 kg)
	4,4'-DDE	1 (0.454 kg)
	DDT	1 (0.454 kg)
	4,4'-DDT	1 (0.454 kg)
	Diamine	1 (0.454 kg)
	Diazinon	1 (0.454 kg)
	Dibenz[a,h]anthracene	1 (0.454 kg)
	1, 2: 5, 6-Dibenzanthracene	1 (0.454 kg)
	Dibenzo[ah]anthracene	1 (0.454 kg)
	Dibenz[a,i]pyrene	10 (4.54kg)
	1, 2-Dibromo-3-chloropropane	1 (0.454 kg)
	Dibutyl phthalate	10 (4.54kg)
	Di-n-butyl phthalate	10 (4.54kg)
	Dichlone	1 (0.454 kg)
	3,3'-Dichlorobenzidine	1 (0.454 kg)
	1,4-Dichloro-2-butene	1 (0.454 kg)
	Dichloroethyl ether	10 (4.54kg)
	Dichloromethyl ether	1 (0.454 kg)
	Dichlorophenylarsine	1(0.454 kg)
	Dichlorvos	10 (4.54kg)
	Dicofol	10 (4.54kg)
	Dieldrin	1 (0.454 kg)
	1, 2: 3, 4-Diepoxybutane	10 (4.54kg)
	Diethylarsine	1 (0.454 kg)
	N,N'-Diethylhydrazine	10 (4.54kg)
	Diethylstilbestrol	1 (0.454 kg)
	Diethyl sulfate	1 (0.434 Kg)
	Dihydrosafrole	10 (4.54kg)
	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-	10 (4.34Kg)
	1,4,4a,5,8,8a-hexahydro,(1alpha,4alpha,4abeta, 5abeta, 8beta,	1 (0.454 kg)
	8abeta)-	1 (0.454 Kg)
	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-10-hexachloro-	
	1,4,4a,5,8,8a-hexahydro-,(1alpha,4alpha,4abeta, 5alpha, 8alpha,	1 (0.454 kg)
	8abeta)-	1 (0.434 Kg)
	2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-	
	1a,2,2a,3,6,6a,7,7a-octhydro-	1 (0.454 kg)
	,(1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-	1 (0.434 Kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-	
	1a,2,2a,3,6,6a,7,7a-octhydro-	1 (0.454 kg)
	,(1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-	
	Dimethoate	10 (4.54kg)
	3,3'-Dimethoxybenzidine	10 (4.54kg)
	p-Dimethylaminoazobenzene	10 (4.54kg)
	7,12-Dimethylbenz[a]anthracene	1 (0.454 kg)
	3,3'-Dimethylbenzidine	10 (4.54kg)
	alpha,alpha-Dimethylbenzylhydroperoxide	10 (4.54kg)
	Dimethylcarbamoyl chloride	1 (0.454 kg)
	1, 1-Dimethylhydrazine	10 (4.54kg)
	1, 2-Dimethylhydrazine	1 (0.454 kg)
***	Dimethylhydrazine, unsymmetrical	10 (4.54kg)
	4, 6-Dinitro-o-cresol and salts	10 (4.54kg)
***	Dinitrogen tetroxide	10 (4.54kg)
	Dinitrophenol	10 (4.54kg)
	2, 5-Dinitrophenol	< <i>U</i> /
	2, 4-Dinitrophenol	
	Dinitrotoluene	10 (4.54kg)
	3, 4-Dinitrotoluene	( <b>C</b> )
	2, 4-Dinitrotoluene	10 (4.54kg)
	1, 2-Diphenylhydrazine	10 (4.54kg)
	Diphosphoric acid, tetraethyl ester	10 (4.54kg)
	Di-n-propylnitrosamine	10 (4.54kg)
	Disulfoton	1 (0.454 kg)
	Endosulfan	1(0.454 kg)
	alpha-Endosulfan	1 (0.454 kg)
	beta-Endosulfan	1 (0.454 kg)
	Endosulfan sulfate	1 (0.454 kg)
	Endrin	1 (0.454 kg)
	Endrin, & metabolites	1 (0.454 kg)
	Endrin aldehyde	1 (0.454 kg)
	Ethanamine, N-ethyl-N-nitroso-	1 (0.454 kg)
	Ethane, 1, 2-dibromo-	1 (0.454 kg)
	Ethane, 1, 1'-oxybis(2-chloro-	10 (4.54kg)
	Ethane, pentachloro-	10 (4.54kg)
	Ethanethioamide	10 (4.54kg)
	Ethanol, 2, 2'-(nitrosoimino)bis-	1 (0.454 kg)
	Ethene, chloro-	1 (0.454 kg)
	Ethion	10 (4.54kg)
	Ethyl cyanide	10 (4.54kg)
	Ethylene dibromide	1 (0.454 kg)
	Ethylene dioromide	1 (0.454 Kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Ethylene oxide	10 (4.54kg)
	Ethylenethiourea	10 (4.54kg)
	Ethylenimine	1 (0.454 kg)
	Ethyl methanesulfonate	1 (0.454 kg)
	Fluorine	10 (4.54kg)
	Fluoroacetic acid, sodium salt	10 (4.54kg)
	Fulminic acid, mercury (2+) salt	10 (4.54kg)
	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	1 (0.454 kg)
	D-Glucose, 2-deoxy-2-[[methylnitrosoamino)-carbonyl]amino]-	1 (0.454 kg)
	Glycidyladehyde	10 (4.54kg)
	Guanidine, N-methyl-N'-nitro-N-nitroso-	10 (4.54kg)
	Guthion	1 (0.454 kg)
	Heptachlor	1 (0.454 kg)
	Heptachlor epoxide	1 (0.454 kg)
	Hexachlorobenzene	10 (4.54kg)
	Hexachlorobutadiene	1 (0.454 kg)
	Hexachlorocyclohexane(gamma isomer)	1 (0.454 kg)
	Hexachlorocyclopentadiene	10 (4.54kg)
	1, 2, 3, 4, 10-10-Hexachloro-1, 4, 4a, 5, 8, 8a-hexahydro- 1,4:5,8-	
	endo,exo-dimethanonaphthalene	1 (0.454 kg)
	Hexamethylphosphoramide	1 (0.454 kg)
	Hydrazine	1 (0.454 kg)
	Hydrazine, 1, 2-diethyl-	10 (4.54kg)
	Hydrazine, 1, 1-dimethyl-	10 (4.54kg)
	Hydrazine, 1, 2-dimethyl-	1 (0.454 kg)
	Hydrazine, 1, 2-diphenyl-	10 (4.54kg)
	Hydrazine, methyl-	10 (4.54kg)
	Hydrocyanic acid	10 (4.54kg)
	Hydrogen cyanide	10 (4.54kg)
	Hydroperoxide, 1-methyl-1-phenylethyl-	10 (4.54kg)
	2- Imidazolidinethione	10 (4.54kg)
	Isodrin	1 (0.454 kg)
	Keponedecachloroc-tahydro	1 (0.454 kg)
	Lasiocarpine	10 (4.54kg)
*	Lead	10 (4.54kg)
	Lead acetate	10 (4.54kg)
	Lead arsenate	1 (0.454 kg)
	Lead, bis (acetato-O) tetrahydroxytri	10 (4.54kg)
	Lead chloride	10 (4.54kg)
	Lead fluoborate	10 (4.54kg)
	Lead fluoride	10 (4.54kg)
	Lead iodide	10 (4.54kg)
	Lead nitrate	10 (4.54kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Lead phosphate	10 (4.54kg)
	Lead stearate	10 (4.54kg)
	Lead subacetate	10 (4.54kg)
	Lead sulfate	10 (4.54kg)
	Lead sulfide	10 (4.54kg)
	Lead thiocyanate	10 (4.54kg)
	Lindane	1 (0.454 kg)
	Lithium chromate	10 (4.54kg)
	Melphalan	1 (0.454 kg)
	Mercaptodimethur	10 (4.54kg)
	Mercuric cyanide	1 (0.454 kg)
	Mercuric nitrate	10 (4.54kg)
	Mercuric sulfate	10 (4.54kg)
	Mercuric thiocyanate	10 (4.54kg)
	Mercurous nitrate	10 (4.54kg)
	Mercury	1 (0.454 kg)
	Mercury fulminate	10 (4.54kg)
	Methanamine, N-methyl-N-nitroso	10 (4.54kg)
	Methane, chloromethoxy-	1 (0.454 kg)
	Methane, isocyanato-	10 (4.54kg)
	Methane, oxybis(chloro-	1 (0.454 kg)
	Methane, tetrachloro-	10 (4.54kg)
	Methane, tetranitro-	10 (4.54kg)
	Methane, trichloro-	10 (4.54kg)
	Methanesulfonic acid, ethyl ester	1 (0.454 kg)
	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro- 1,5,5a,6,9,9a-hexahydro-,3-oxide	1 (0.454 kg)
	4, 7-Methano-1H-indene, 1, 4, 5, 6, 7, 8, 8-heptachloro-a, 4,7, 7a-tetrahydro-	1 (0.454 kg)
	4, 7-Methano-1H-indene, 1, 4, 5, 6, 7, 8, 8-octachloro-2, 3, 3a, 4, 7, 7a-hexahydro	1 (0.454 kg)
	1, 3, 4-Metheno-2H-cyclobutal[cd]-pentalen-2-one,1, 1a, 3, 3a, 4,5, 5, 5a, 5b, 6-decachloroctahydro-	1 (0.454 kg)
	Methoxychlor	1 (0.454 kg)
***	Methylchloromethyl ether	1 (0.454 kg)
	3-Methylcholanthrene	10 (4.54kg)
	4,4'-Methylenebis(2-chloroaniline)	10 (4.54kg)
	4,4'-Methylenedianiline	10 (4.54kg)
	Methyl ethyl ketone peroxide	10 (4.54kg)
	Methyl hydrazine	10 (4.54kg)
	Methyl isocyanate	1 (0.454 kg)
	2-Methyllactonitrile	10 (4.54kg)
	Methylthiouracil	10 (4.54kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Mevinphos	10 (4.54kg)
	Mitomycin C	10 (4.54kg)
	MNNG	10 (4.54kg)
	Naled	10 (4.54kg)
	5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-	
	alpha-L-lyxo-hexopyranosyl)oxy]-7,8 9,10-tetrahydro-6,8,11- trihydroxy-1-methoxy-, (8S-cis)-	10 (4.54kg)
	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'- biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt	10 (4.54kg)
	beta-Naphthylamine	1 (0.454 kg)
	2Naphthylamine	1 (0.454 kg)
	Nickel carbonyl	10 (4.54kg)
	Nickel carbonyl Ni (CO) 4, (T-4)-	10 (4.54kg)
	Nickel cyanide	10 (4.54kg)
	Nickel cyanide Ni(CN) 2	10 (4.54kg)
	Nickel hydroxide	10 (4.54kg)
	Nitric oxide	10 (4.54kg)
	4-nitrobiphenyl	10 (4.54kg)
	Nitrogen dioxide	10 (4.54kg)
	Nitrogen oxide NO	10 (4.54kg)
	Nitrogen oxide NO2	10 (4.54kg)
	Nitroglycerine	10 (4.54kg)
	2-Nitropropane	10 (4.54kg)
	N-Nitrosodi-n-butylamie	10 (4.54kg)
	N-Nitrosodiethanolamine	1 (0.454 kg)
	N-Nitrosodiethylamine	1 (0.454 kg)
	N-Nitrosodimethylamine	10 (4.54kg)
	N-Nitroso-N-ethylurea	1 (0.454 kg)
	N-Nitroso-N-methylurea	1 (0.454 kg)
	N-Nitroso-N-methylurethane	1 (0.454 kg)
	N-Nitrosomethylvinylamine	10 (4.54kg)
	n-Nitrosomorpholine	1 (0.454 kg)
	N-Nitrosopiperidine	10 (4.54kg)
	N-Nitrosopyrrolidine	1 (0.454 kg)
	1,2-Oxathiolane,2,2-dioxide	10 (4.54kg)
	2H-1,3,2-Oxazaphosphorin-2-amine,N,N,-bis(2-	10 (4.54kg)
	chloroethyl)tetrahydro-,2-oxide	
	Oxirane	10 (4.54kg)
	Oxiranecarboxyaldehyde	10 (4.54kg)
	Parathion	10 (4.54kg)
	Pentachlorobenzene	10 (4.54kg)
	Pentachloroethane	10 (4.54kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	Pentachlorophenol	10 (4.54kg)
	Phenol,4,4'-(1,2-diethyl-1,2-ethenediyl)bis-,(E)	1 (0.454 kg)
	Phenol, 2, 4-dinitro-	10 (4.54kg)
	Phenol, 2-methyl-4, 6-dinitro-	10 (4.54kg)
	Phenol, pentachloro-	10 (4.54kg)
	Phenol, 2,3,4,6-tetrachloro-	10 (4.54kg)
	Phenol, 2,4,5-trichloro-	10 (4.54kg)
	Phenol, 2,4,6-trichloro-	10 (4.54kg)
	Phenol, 2,4,6-trinitro-,ammonium salt	10 (4.54kg)
	L-Phenylalanine, 4-[bis(2-chloroethyl)aminol]	1 (0.454 kg)
	Phorate	10 (4.54kg)
	Phosgene	10 (4.54kg)
	Phosphoric acid, lead (2+) salt (2:3)	10 (4.54kg)
	Phosphorodithioic acid, O, O-diethyl S-[2-(ethylthio)ethyl]ester	1 (0.454 kg)
	Phosphorodithioic acid, O, O-diethyl S-ethylthio), methyl ester	10 (4.54kg)
	Phosphorodithioic acid, O, O-dimethyl S-[2-methylamino)-2- oxoethyl]ester	10 (4.54kg)
	Phosphorodithioic acid, O, O-diethyl O-(4-nitrophenyl)ester	10 (4.54kg)
	Phosphorus	1 (0.454 kg)
	Piperidine, 1-nitroso-	10 (4.54kg)
	Plumbane, tetraethyl-	10 (4.54kg)
	POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454 kg)
	Potassium arsenate	1 (0.454 kg)
	Potassium arsenite	1 (0.454 kg)
	Potassium bichromate	10 (4.54kg)
	Potassium chromate	10 (4.54kg)
	Potassium cyanide	10 (4.54kg)
	Potassium cyanide K(CN)	10 (4.54kg)
	Potassium silver cyanide	1 (0.454 kg)
	Propanal, 2-methyl-2-(methylthio)-,O- [(methylamino)carbonyl]oxime	1 (0.454 kg)
	1-Propanamine, N-nitroso-N-propyl-	10 (4.54kg)
	Propane, 1, 2-dibromo-3-chloro-	1 (0.454 kg)
	Propane, 2-nitro-	10 (4.54kg)
	1,3-Propane sultone	10 (4.54kg)
	Propanenitrile	10 (4.54kg)
	Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54kg)
	1,2,3-propanetriol, trinitrate-	10 (4.54kg)
	1-Propanol, 2,3-dibromo-,phosphate(3:1)	10 (4.54kg)
	Propargite	10 (4.54kg)
	2-Propenal	1 (0.454 kg)
	1,2-Propylenimine	1 (0.454 kg)
	Pyrethrins	1 (0.454 kg)

Code	Hazardous Substance	Reportable Quantity (RQ)/ pounds (kilograms)
	2,4-(1H,3H)- Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	
	4(1H)-Pyrimidinone,2,3-dihydro-6-methyl-2-thioxo	10 (4.54kg)
	Pyrrolidine, 1-nitroso-	1 (0.454 kg)
	Selenious acid	10 (4.54kg)
	Selenium dioxide	10 (4.54kg)
	Selenium oxide	10 (4.54kg)
	Selenium sulfide	10 (4.54kg)
	Selenium sulfide SeS2	10 (4.54kg)
	L-Serine, diazoacetate(ester)	1 (0.454 kg)
	Silver cyanide	1 (0.454 kg)
	Silver cyanide Ag(CN)	1 (0.454 kg)
	Silver nitrate	1 (0.454 kg)
	Sodium	10 (4.54kg)
	Sodium arsenate	1 (0.454 kg)
	Sodium arsenite	1 (0.454 kg)
	Sodium bichromate	10 (4.54kg)
	Sodium chromate	10 (4.54kg)
	Sodium cyanide	10 (4.54kg)
	Sodium cyanide Na(CN)	10 (4.54kg)
	Streptozotocin	1 (0.454 kg)
	Strontium chromate	10 (4.54kg)
	Strychnidin-10-one	10 (4.54kg)
	Strychnine and salts	10 (4.54kg)
	TDE	1 (0.454 kg)
	2,3,7,8-Tetrachlorodibenzo-p-dioxin(TCDD)	1 (0.454 kg)
	2,3,4,6-Tetrachlorophenol	10 (4.54kg)
	Tetraethyl lead	10 (4.54kg)
	Tetraethyl pyrophosphate	10 (4.54kg)
	Tetranitromethane	10 (4.54kg)
	Thioacetamide	10 (4.54kg)
	Thioperoxydicarbonic diamide[(H2N)C(S)]2S2, tetramethyl-	10 (4.54kg)
	Thiourea	10 (4.54kg)
	Thiram	10 (4.54kg)
	Toluenediamine	10 (4.54kg)
	Toxaphene	1 (0.454 kg)
	1H-1,2,4-Triazol-3-amine	10 (4.54kg)
	Trichlorophenol	10 (4.54kg)
	2,3,4-Trichlorophenol	10 (1.5 mg)
	2,3,5-Trichlorophenol	
	2,3,6-Trichlorophenol	
	2,4,5-Trichlorophenol	
	2,4,6-Trichlorophenol	
	3,4,5-Trichlorophenol	

		Reportable Quantity
Code	Hazardous Substance	(RQ)/ pounds (kilograms)
	2,4,5-Trichlorophenol	10 (4.54kg)
	2,4,6-Trichlorophenol	10 (4.54kg)
	Trifluralin	10 (4.54kg)
	1,3,5-Trinitrobenzene	10 (4.54kg)
	Tris(2,3-dibromopropyl)phosphate	10 (4.54kg)
	Trypan blue	10 (4.54kg)
	Uracil mustard	10 (4.54kg)
	Urea, N-ethyl-N-nitroso-	1 (0.454 kg)
	Urea, N-methyl-N-nitroso-	1 (0.454 kg)
	Vinylamine, N-methyl-N-nitroso-	10 (4.54kg)
	Vinyl chloride	1 (0.454 kg)
	Zinc cyanide	10 (4.54kg)
	Zinc cyanide Zn(CN)2	10 (4.54kg)







1000 FedEx Drive Moon Township, PA 15108

fedex.com 1.800.GoFedEx 1.800.463.3339