

## § 172.1

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APPENDIX A TO PART 172—OFFICE OF HAZARDOUS MATERIALS TRANSPORTATION  
COLOR TOLERANCE CHARTS AND TABLES

## 49 CFR Ch. I (10–1–20 Edition)

APPENDIX B TO PART 172—TREFOIL SYMBOL  
APPENDIX C TO PART 172—DIMENSIONAL SPECIFICATIONS FOR RECOMMENDED PLACARD HOLDER

APPENDIX D TO PART 172—RAIL RISK ANALYSIS FACTORS

AUTHORITY: 49 U.S.C. 5101–5128, 44701; 49 CFR 1.81, 1.96 and 1.97.

SOURCE: Amdt. 172–29, 41 FR 15996, Apr. 15, 1976, unless otherwise noted.

## Subpart A—General

### § 172.1 Purpose and scope.

This part lists and classifies those materials which the Department has designated as hazardous materials for purposes of transportation and prescribes the requirements for shipping papers, package marking, labeling, and transport vehicle placarding applicable to the shipment and transportation of those hazardous materials.

[Amdt. 172–29, 41 FR 15997, Apr. 15, 1976, as amended by 66 FR 45379, Aug. 28, 2001]

### § 172.3 Applicability.

(a) This part applies to—

- (1) Each person who offers a hazardous material for transportation, and
- (2) Each carrier by air, highway, rail, or water who transports a hazardous material.

(b) When a person, other than one of those provided for in paragraph (a) of this section, performs a packaging labeling or marking function required by this part, that person shall perform the function in accordance with this part.

[Amdt. 172–29, 41 FR 15996, Apr. 15, 1976, as amended by Amdt. 172–32, 41 FR 38179, Sept. 9, 1976]

## Subpart B—Table of Hazardous Materials and Special Provisions

### § 172.101 Purpose and use of hazardous materials table.

(a) The Hazardous Materials Table (Table) in this section designates the materials listed therein as hazardous materials for the purpose of transportation of those materials. 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 proper

shipping name. In addition, the Table specifies or references requirements in this subchapter pertaining to labeling, packaging, quantity limits aboard aircraft and stowage of hazardous materials aboard vessels.

(b) *Column 1: Symbols.* Column 1 of the Table contains six symbols (“+”, “A”, “D”, “G”, “I” and “W”) as follows:

(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 §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 §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.

(c) *Column 2: Hazardous materials descriptions and proper shipping names.* Column 2 lists the hazardous materials descriptions and proper shipping names of materials designated as hazardous materials. Modification of a proper shipping name may otherwise be required or authorized by this section. Proper shipping names are limited to those shown in Roman type (not italics).

(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 “sulphur” may be spelled “sulfur”. However, the word “inflammable” may not be used in place of the word “flammable”.

(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 there is a choice of terms in the sequence that may alternately be used as the proper shipping name or as part of the proper shipping name, as appropriate. For example, for the hazardous materials description “Carbon dioxide, solid or Dry ice” either “Carbon dioxide, solid” or “Dry ice” may be used as the proper shipping name; and for the hazardous materials description “Articles, pressurized pneumatic or hydraulic,” either “Articles, pressurized pneumatic” or “Articles, pressurized hydraulic”

may be used as the proper shipping name.

(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 (e.g., Ethyl alcohol, *see* Ethanol).

(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*.” Also, the percent sign (%) may be used in place of the word “percent” when words in italics containing the word “percent” are used in addition to the proper shipping name.

(7) Use of the prefix “mono” is optional in any shipping name, when appropriate. Thus, Iodine monochloride may be used interchangeably with Iodine 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 §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 meeting the definition of one or more hazard class that is not identified specifically by name, comprised of a single predominant hazardous material identified in the Table by technical name and one or more hazardous and/or non-hazardous material, must 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 §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 §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 in paragraphs (c)(10)(i)(A) through (F) of this section is satisfied then the proper shipping name selection process in (c)(12)(ii) must be used.

(iii) A mixture or solution meeting the definition of one or more hazard class that is not identified in the Table specifically by name, comprised of two

or more hazardous materials in the same hazard class, must 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 §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) Defining criteria in this subchapter;
- (ii) The hazard precedence prescribed in §173.2a of this subchapter;
- (iii) The shipper’s knowledge of the material;
- (iv) In addition to paragraphs (c)(11)(i) through (iii) of this section, for a sample of a material other than a waste, the following must be met:

(A) Except when the word “Sample” already appears in the proper shipping name, the word “Sample” must appear as part of the proper shipping name or in association with the basic description on the shipping paper.

(B) When the proper shipping description for a sample is assigned a “G” in Column (1) of the §172.101 Table, and the primary constituent(s) for which the tentative classification is based are not known, the provisions requiring a technical name for the constituent(s) do not apply; and

(C) A sample must be transported in a combination packaging that conforms to the requirements of this subchapter that are applicable to the tentative packing group assigned, and may not exceed a net mass of 2.5 kg (5.5 pounds) per package.

NOTE TO PARAGRAPH (C)(11): For the transportation of samples of self-reactive materials, organic peroxides, explosives or lighters, see §173.224(c)(3), §173.225(c)(2), §173.56(d) or §173.308(b)(2) of this subchapter, respectively.

(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.

(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 §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 §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 §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 §171.8 of this subchapter, is offered for transportation in the molten state (for example, “Alkylphenols, solid, n.o.s., molten”).

(d) *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 §173.2 of this subchapter.

(4) Each reference to a Class 3 material is modified to read “Combustible liquid” when that material is reclassified in accordance with §173.150(e) or (f) of this subchapter or has a flash point above 60 °C (140 °F) but below 93 °C (200 °F).

(e) *Column 4: 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 transportation outside of the United States. 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 in the United States. Those preceded by the letters "ID" are associated with proper shipping names recognized by the ICAO Technical Instructions (see §171.7 of this subchapter for availability).

(f) *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. Articles in other than Class 1 are not assigned to packing groups. For packing purposes, any requirement for a specific packaging performance level is set out in the applicable packing authorizations of part 173. Packing Groups I, II and III indicate the degree of danger presented by the material is 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.

(g) *Column 6: Labels.* 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 §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 reclassified as a combustible liquid. For "Empty" label requirements, see §173.428 of this subchapter. The codes contained in Column 6 are defined according to the following table:

LABEL SUBSTITUTION TABLE

Label code	Label name
1	Explosive
1.1 <sup>1</sup>	Explosive 1.1 <sup>1</sup>
1.2 <sup>1</sup>	Explosive 1.2 <sup>1</sup>
1.3 <sup>1</sup>	Explosive 1.3 <sup>1</sup>
1.4 <sup>1</sup>	Explosive 1.4 <sup>1</sup>
1.5 <sup>1</sup>	Explosive 1.5 <sup>1</sup>
1.6 <sup>1</sup>	Explosive 1.6 <sup>1</sup>
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 (inhalation hazard, Zone A or B).	Poison Inhalation Hazard
6.1 (other than inhalation hazard, Zone A or B) <sup>2</sup> .	Poison
6.2	Infectious substance
7	Radioactive
8	Corrosive
9	Class 9

<sup>1</sup> Refers to the appropriate compatibility group letter.

<sup>2</sup> The packing group for a material is indicated in column 5 of the table.

(h) *Column 7: Special provisions.* Column 7 specifies codes for special provisions applicable to hazardous materials. When Column 7 refers to a special provision for a hazardous material, the meaning and requirements of that special provision are as set forth in §172.102 of this subpart.

(i) *Column 8: Packaging authorizations.* Columns 8A, 8B and 8C specify the applicable sections for exceptions, non-bulk packaging requirements and bulk packaging requirements, respectively, in part 173 of this subchapter. Columns 8A, 8B and 8C are completed in a manner which indicates that "\$173." precedes the designated numerical entry. For example, the entry "202" in Column 8B associated with the proper shipping name "Gasoline" indicates that for this material conformance to non-bulk packaging requirements prescribed in §173.202 of this subchapter is

required. When packaging requirements are specified, they are in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable requirements in subparts A and B of part 173 of this subchapter.

(1) *Exceptions.* Column 8A contains exceptions from some of the requirements of this subchapter. The referenced exceptions are in addition to those specified in subpart A of part 173 and elsewhere in this subchapter. A “None” in this column means no packaging exceptions are authorized, except as may be provided by special provisions in Column 7.

(2) *Non-bulk packaging.* Column 8B references the section in part 173 of this subchapter which prescribes packaging requirements for non-bulk packagings. A “None” in this column means non-bulk packagings are not authorized, except as may be provided by special provisions in Column 7. 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 include “§173.203” or “§173.213”, as appropriate for liquids and solids, respectively, on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter.

(3) *Bulk packaging.* Column (8C) specifies the section in part 173 of this subchapter that prescribes packaging requirements for bulk packagings, subject to the limitations, requirements, and additional authorizations of Columns (7) and (8B). A “None” in Column (8C) means bulk packagings are not authorized, except as may be provided by special provisions in Column (7) and in packaging authorizations Column (8B). Additional authorizations and limitations for use of UN portable tanks are set forth in Column 7. For each reference in this column to a material that 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” and that is offered for transportation or transported by a mode in which its

transportation is not otherwise subject to the requirements of this subchapter:

(4) For a hazardous material which is specifically named in the Table and whose packaging sections specify packagings not applicable to the form of the material (e.g., packaging specified is for solid material and the material is being offered for transportation in a liquid form) the following table should be used to determine the appropriate packaging section:

Packaging section reference for solid materials	Corresponding packaging section for liquid materials
§ 173.187 .....	§ 173.181
§ 173.211 .....	§ 173.201
§ 173.212 .....	§ 173.202
§ 173.213 .....	§ 173.203
§ 173.240 .....	§ 173.241
§ 173.242 .....	§ 173.243

(5) *Cylinders.* For cylinders, both non-bulk and bulk packaging authorizations are set forth in Column (8B). Notwithstanding a designation of “None” in Column (8C), a bulk cylinder may be used when specified through the section reference in Column (8B).

(j) *Column 9: Quantity limitations.* Columns 9A and 9B specify the maximum quantities that may be offered for transportation in one package by passenger-carrying aircraft or passenger-carrying rail car (Column 9A) or by cargo aircraft only (Column 9B), subject to the following:

(1) “Forbidden” means the material may not be offered for transportation or transported in the applicable mode of transport.

(2) The quantity limitation is “net” except where otherwise specified, such as for “Consumer commodity” which specifies “30 kg gross.”

(3) When articles or devices are specifically listed by name, the net quantity limitation applies to the entire article or device (less packaging and packaging materials) rather than only to its hazardous components.

(4) A package offered or intended for transportation by aircraft and which is filled with a material forbidden on passenger-carrying aircraft but permitted on cargo aircraft only, or which exceeds the maximum net quantity authorized on passenger-carrying aircraft, shall be labelled with the CARGO

AIRCRAFT ONLY label specified in § 172.448 of this part.

(5) The total net quantity of hazardous material for an outer non-bulk packaging that contains more than one hazardous material may not exceed the lowest permitted maximum net quantity per package as shown in Column 9A or 9B, as appropriate. If one material is a liquid and one is a solid, the maximum net quantity must be calculated in kilograms. See § 173.24a(c)(1)(iv).

(k) *Column 10: Vessel stowage requirements.* Column 10A [Vessel stowage] specifies the authorized stowage locations on board cargo and passenger vessels. Column 10B [Other provisions] specifies codes for stowage and handling requirements for specific hazardous materials. Hazardous materials offered for transportation as limited quantities are allocated stowage category A and are not subject to the stowage codes assigned by column 10B. The meaning of each code in Column 10B is set forth in § 176.84 of this subchapter. Section 176.63 of this subchapter sets forth the physical requirements for each of the authorized locations listed in Column 10A. (For bulk transportation by vessel, see 46 CFR parts 30 to 40, 70, 98, 148, 151, 153 and 154.) The authorized stowage locations specified in Column 10A are defined as follows:

(1) Stowage category "A" means the material may be stowed "on deck" or "under deck" on a cargo vessel or on a passenger vessel.

(2) Stowage category "B" means—

(i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and

(ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

(3) Stowage category "C" means the material must be stowed "on deck only" on a cargo vessel or on a passenger vessel.

(4) Stowage category "D" means the material must be stowed "on deck only" on a cargo vessel or on a pas-

senger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on a passenger vessel in which the limiting number of passengers is exceeded.

(5) Stowage category "E" means the material may be stowed "on deck" or "under deck" on a cargo vessel or on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on a passenger vessel in which the limiting number of passengers is exceeded.

(6) Stowage category "01" means the material may be stowed "on deck" in closed cargo transport units or "under deck" on a cargo vessel (up to 12 passengers) or on a passenger vessel.

(7) Stowage category "02" means the material may be stowed "on deck" in closed cargo transport units or "under deck" on a cargo vessel (up to 12 passengers) or "on deck" in closed cargo transport units or "under deck" in closed cargo transport units on a passenger vessel.

(8) Stowage category "03" means the material may be stowed "on deck" in closed cargo transport units or "under deck" on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(9) Stowage category "04" means the material may be stowed "on deck" in closed cargo transport units or "under deck" in closed cargo transports on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(10) Stowage category "05" means the material may be stowed "on deck" in closed cargo transport units on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(1) *Changes to the Table.* (1) Unless specifically stated otherwise in a rule document published in the FEDERAL REGISTER amending the Table—

(i) Such a change does not apply to the shipment of any package filled prior to the effective date of the amendment; and

(ii) Stocks of preprinted shipping papers and package markings may be



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continued in use, in the manner previously authorized, until depleted or for a one-year period, subsequent to the effective date of the amendment, whichever is less.

(2) Except as otherwise provided in this section, any alteration of a shipping description or associated entry which is listed in the §172.101 Table must receive prior written approval from the Associate Administrator.

(3) The proper shipping name of a hazardous material changed in the May 6, 1997 final rule, in effect on October 1, 1997, only by the addition or omission of the word “compressed,” “inhibited,” “liquefied” or “solution” may continue to be used to comply with package marking requirements, until January 1, 2003.

§ 172.101 HAZARDOUS MATERIALS TABLE

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage			
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
A	Accelerene, <i>see</i> p-Nitrosodimethylaniline Accumulators, <i>electric, see</i> Batteries, wet <i>etc</i> Accumulators, <i>pressurized, pneumatic or hydraulic (containing non-flammable gas)</i> Acetal Acetaldehyde Acetaldehyde ammonia Acetaldehyde oxime Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass Acetic acid solution, with more than 10 percent and less than 50 percent acid, by mass Acetic anhydride Acetone Acetone cyanohydrin, stabilized Acetone oils Acetonitrile Acetyl acetone peroxide with more than 9 percent by mass active oxygen Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution	3	UN1088	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E			
		3	UN1089	I	3	B16, T11, TP2, TP7	None	201	243	243	Forbidden	30 L	E		
		9	UN1841	III	9	IB8, IP3, IP7, T1, TP33	155	204	240	240	200 kg	200 kg	A	34	
		3	UN2332	III	3	B1, IB3, T4, TP1	150	203	242	242	60 L	220 L	A		
		8	UN2789	II	8, 3	A3, A7, A10, B2, IB2, T7, TP2	154	202	243	243	1 L	30 L	A	53, 58	
		8	UN2790	II	8	148, A3, A7, A10, B2, IB2, T7, TP2	154	202	242	242	1 L	30 L	A	53, 58	
		8	UN2790	III	8	148, IB3, T4, TP1	154	203	242	242	5 L	60 L	A	53, 58	
		8	UN1715	II	8, 3	A3, A7, A10, B2, IB2, T7, TP2	154	202	243	243	1 L	30 L	A	40, 53, 58	
		3	UN1090	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
		6.1	UN1541	I	6.1	2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	244	Forbidden	Forbidden	D	25, 40, 52, 53	
		3	UN1091	II	3	IB2, T4, TP1, TP8	150	202	242	242	5 L	60 L	B	40	
		3	UN1648	II	3	IB2, T7, TP2	150	202	242	242	5 L	60 L	B		
		Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
		Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Acetyl bromide	8	UN1716	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53, 58
	Acetyl chloride	3	UN1717	II	3, 8	A3, A7, IB1, N34, T8, TP2	150	202	243	1 L	5 L	B	40, 53, 58
	Acetyl cyclohexanesulfonyl per-oxide, with more than 82 percent wetted with less than 12 percent water	Forbidden											
	Acetyl iodide	8	UN1898	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40, 53, 58
	Acetyl methyl carbinol	3	UN2621	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Acetyl peroxide, solid, or with more than 25 percent in solution	Forbidden											
	Acetylene, dissolved	2.1	UN1001		2.1	N86, N88	None	303	None	Forbidden	15 kg	D	25, 40, 57
	Acetylene (liquefied)	Forbidden											
	Acetylene silver nitrate	Forbidden											
	Acetylene, solvent free	Forbidden											
	Acetylene tetrabromide, see Tetrabromoethane	Forbidden											
	Acid butyl phosphate, see Butyl acid phosphate												
	Acid, sludge, see Sludge acid												
	Acridine	6.1	UN2713	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25, 40
	Acrolein dimer, stabilized	3	UN2607	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25, 40
	Acrolein, stabilized	6.1	UN1092	I	6.1, 3	1, 380, 387, B9, B14, B30, B42, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	25, 40
	Acrylamide, solid	6.1	UN2074	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12, 25
	Acrylamide solution	6.1	UN3426	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25
	Acrylic acid, stabilized	8	UN2218	II	8, 3	387, B2, IB2, T7, TP2	154	202	243	1 L	30 L	C	25, 40, 53, 58
	Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	387, B9, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	25, 40
	Actuating cartridge, explosive, see Cartridges, power device												

	3	UN1133	I	3	T11, TP1, TP8, TP27 149, B52, IB2, T4, TP1, TP8 B1, B52, IB3, T2, TP1 IB3, T3, TP1 ..... ..... .....	150	201	243	1 L	30 L	B	40
Adhesives, containing a flammable liquid			II	3					5 L	60 L	B	
Adiponitrile	6.1	UN2205	III	3			173	242	60 L	220 L	A	
Adsorbed gas, n.o.s.	2.2	UN3511	.....	2.2		150	302c	None	60 L	220 L	A	
Adsorbed gas, flammable, n.o.s.	2.1	UN3510	.....	2.1		153	302c	None	75 kg	150 kg	A	
Adsorbed gas, oxidizing, n.o.s.	2.2	UN3513	.....	2.2, 5.1		None	302c	None	Forbidden	150 kg	D	40
	2.3	UN3512	.....	2.3	1	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone A	2.3	UN3512	.....	2.3	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone B	2.3	UN3512	.....	2.3	3, B14	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone C	2.3	UN3512	.....	2.3	4	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone D	2.3	UN3516	.....	2.3, 8	1, 379	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, corrosive, n.o.s. Inhalation hazard zone A	2.3	UN3516	.....	2.3, 8	2, 379, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, corrosive, n.o.s. Inhalation hazard zone C	2.3	UN3516	.....	2.3, 8	3, 379, B14	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, corrosive, n.o.s. Inhalation hazard zone D	2.3	UN3516	.....	2.3, 8	4, 379	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone A	2.3	UN3514	.....	2.3	1	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone B	2.3	UN3514	.....	2.3	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone C	2.3	UN3514	.....	2.3	3, B14	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone D	2.3	UN3514	.....	2.3	4	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone A	2.3	UN3517	.....	2.3, 8	1	None	302c	None	Forbidden	Forbidden	D	17, 40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone B	2.3	UN3517	.....	2.3, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	17, 40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone C	2.3	UN3517	.....	2.3, 8	3, B14	None	302c	None	Forbidden	Forbidden	D	17, 40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone D	2.3	UN3517	.....	2.3, 8	4	None	302c	None	Forbidden	Forbidden	D	17, 40
Adsorbed gas, toxic, oxidizing, n.o.s. Inhalation hazard zone A	2.3	UN3515	.....	2.3, 5.1	1	None	302c	None	Forbidden	Forbidden	D	40
Adsorbed gas, toxic, oxidizing, n.o.s. Inhalation hazard zone B	2.3	UN3515	.....	2.3, 5.1	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3515	.....	2.3, 5.1	3, B14	None	302c	None	Forbidden	Forbidden	D	40
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3515	.....	2.3, 5.1	4	None	302c	None	Forbidden	Forbidden	D	40
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3518	.....	2.3, 5.1, 8	1	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone B</i>	2.3	UN3518	.....	2.3, 5.1, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3518	.....	2.3, 5.1, 8	3, B14	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3518	.....	2.3, 5.1, 8	4	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
	Aerosols, corrosive, <i>Packing Group II or III, (each not exceeding 1 L capacity)</i>	2.2	UN1950	.....	2.2, 8	A34	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, flammable, (each not ex-ceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	304	None	Forbidden	150 kg	A	25, 87, 126
	Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2	.....	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, poison, <i>Packing Group III</i> (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 6.1	.....	306	None	None	Forbidden	Forbidden	A	25, 87, 126
	Air bag inflators, or Air bag mod-ules, or Seat-belt pretensioners, see Safety devices, electrically initiated or Safety devices, pyro-technic	2.2	UN1002	.....	2.2	78	306, 307	302	302	75 kg	150 kg	A	51
	Air, compressed	2.2	UN1003	.....	2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51
	Air, refrigerated liquid, (cryogenic liquid)	2.2	UN1003	.....	2.2, 5.1	.....	.....	.....	.....	.....	.....	.....	.....

	2.2	UN1003	2.2, 5.1	T75, TP5, TP22	316	318, 319	Forbidden	Forbidden	D	51
Air, refrigerated liquid, (cryogenic liquid) non-pressurized 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) Aircraft survival kits, see Life saving appliances etc	3	UN3165	3, 6.1, 8	..... None	172	None	Forbidden	42 L	E	21, 40, 49, 100
Alcoholates solution, n.o.s., in alcohol	3	UN3274	3, 8	IB2	202	243	1 L	5 L	B	
Alcoholic beverages	3	UN3065	3	24, 149, B1, IB2, T4, TP1	202	242	5 L	60 L	A	
	3		3	24, B1, IB3, N11, T2, TP1	203	242	60 L	220 L	A	
Alcohols, n.o.s.	3	UN1987	3	172, T11, TP1, TP8, TP27	201	243	1 L	30 L	E	
	3		3	172, IB2, T7, TP1, TP8, 4b, 150	202	242	5 L	60 L	B	
	3		3	172, B1, IB3, T4, TP1, TP29	203	242	60 L	220 L	A	
Alcohols, flammable, toxic n.o.s	3	UN1986	3, 6.1	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	E	40
	3		3, 6.1	IB2, T11, TP2, TP27	202	243	1 L	60 L	B	40
	3		3, 6.1	B1, IB3, T7, TP1, TP28	203	242	60 L	220 L	A	
Aldehydes, n.o.s.	3	UN1989	3	T11, TP1, TP27	201	243	1 L	30 L	E	
	3		3	IB2, T7, TP1, TP8, TP28	202	242	5 L	60 L	B	
	3		3	B1, IB3, T4, TP1, TP29	203	242	60 L	220 L	A	
	3	UN1988	3, 6.1	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	E	40
	3		3, 6.1	IB2, T11, TP2, TP27	202	243	1 L	60 L	B	40
	3		3, 6.1	B1, IB3, T7, TP1, TP28	203	242	60 L	220 L	A	
Alcoholates solution, self-heating, corrosive, n.o.s	4.2	UN3206	4.2, 8	64, A7, IB5, IP2, T3, TP33, W31	212	242	15 kg	50 kg	B	12, 25
	4.3	UN1421	4.2, 8	64, A7, IB8, IP3, T1, TP33, W31	213	242	25 kg	100 kg	B	
Alkali metal alloys, liquid, n.o.s	4.3	UN1389	4.3	A2, A7, B48, N34, W31	201	244	Forbidden	1 L	D	13, 52, 148
Alkali metal amalgam, liquid	4.3	UN3401	4.3	A2, A7, N34, W31	201	244	Forbidden	1 L	D	13, 40, 52, 148
Alkali metal amalgam, solid	4.3	UN1390	4.3	IB4, IP1, N40, T9, TP7, TP33, W31	211	242	Forbidden	15 kg	D	13, 52, 148
Alkali metal amides	4.3	UN1390	4.3	A6, A7, A8, A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	212	241	15 kg	50 kg	E	13, 40, 52, 148

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Alkali metal dispersions, flammable or Alkaline earth metal disper-sions, flammable	4.3	UN3482	I	4.3, 3	A2, A7, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
	Alkali metal dispersions, or Alkaline earth metal dispersions	4.3	UN1391	I	4.3	A2, A7, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
G	<i>Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s.</i>	4.2	UN3205	II	4.2	65, A7, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	B	
	Alkaline earth metal alcoholates, n.o.s.												
	Alkaline earth metal alloys, n.o.s.	4.3	UN1393	II	4.3	65, A7, IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	B	
	Alkaline earth metal amalgams, liq-uid	4.3	UN1392	I	4.3	A19, IB7, IP2, IP4, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
	Alkaline earth metal amalgams, solid	4.3	UN3402	I	4.3	A19, N34, N40, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN3140	I	6.1	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A	13, 52, 148
	Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s., poisonous	6.1	UN1544	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
G	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid	8	UN2584	II	8	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
	Alkyl sulfonic acids, liquid with not more than 5 percent free sulfuric acid	8	UN2586	III	8	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
G	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid, with more than 5 percent free sulfuric acid	8	UN2583	II	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid	8	UN2585	III	8	B2, IB2, T8, TP2, TP13	154	213	240	100 kg	200 kg	A	
							154	202	242	1 L	30 L	B	53, 58
							154	203	241	5 L	60 L	B	53, 58
							154	212	240	15 kg	50 kg	A	
							154	213	240	25 kg	100 kg	A	

Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8 UN3145	I	8	T14, TP2	None	201	243	0.5 L	2.5 L	B	
Alkylphenols, solid, n.o.s. (including C2-C12 homologues)		II	8	IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	
		III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	
	8 UN2430	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
Alkylsulfuric acids		II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
	8 UN2571	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	14, 53, 58
Alkylsulfuric acids		II	8	B2, IB2, T8, TP2, TP13, TP28	154	202	242	1 L	30 L	C	
<i>Allethrin</i> , see Pesticides, liquid, toxic, n.o.s.		II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Allyl acetate	3 UN2333	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Allyl alcohol	6.1 UN1098	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	B	40
Allyl bromide	3 UN1099	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
Allyl chloride	3 UN1100	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
<i>Allyl chloroacetate</i> , see Allyl chloroformate											
Allyl chloroformate	6.1 UN1722	I	6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 40, 53, 58, 100
Allyl ethyl ether	3 UN2335	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Allyl formate	3 UN2336	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
Allyl glycidyl ether	3 UN2219	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Allyl iodide	3 UN1723	II	3, 8	A3, IB1, N34, T7, TP2, TP13	150	202	243	1 L	5 L	B	40, 53, 58
Allyl isothiocyanate, stabilized	6.1 UN1545	II	6.1, 3	387, A3, A7, IB2, T7, TP2	None	202	243	Forbidden	60 L	D	25, 40
Allylamine	6.1 UN2334	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
Allyltrichlorosilane, stabilized	8 UN1724	II	8, 3	387, A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	25, 40, 53, 58
Aluminum borohydride or Aluminum borohydride in devices	4.2 UN2870	I	4.2, 4.3	B11, T21, TP7, TP33	None	181	244	Forbidden	Forbidden	D	13, 148
Aluminum bromide, anhydrous	8 UN1725	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
Aluminum bromide, solution	8 UN2580	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Aluminum carbide	4.3 UN1394	II	4.3	A20, IB7, IP2, IP21, N41, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 52, 148
Aluminum chloride, anhydrous	8 UN1726	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
Aluminum chloride, solution	8 UN2581	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
<i>Aluminum dress, wet or hot</i>	Forbidden					203	241	5 L	60 L	A	53, 58



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Aluminum ferrosilicon powder	4.3	UN1395	II	4.3, 6.1	A19, IB5, IP2, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 39, 40, 52, 53, 85, 103, 148
	Aluminum hydride	4.3	UN2463	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 148
	Aluminum, molten	9	NA9260	III	9	IB3, T1, TP3	None	None	247	Forbidden	Forbidden	D	
	Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 39, 40, 52, 53, 85, 103, 148
D	<i>Aluminum phosphate solution, see Corrosive liquids, etc</i> Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1, T6, TP33, W31	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP21, T3, TP33, W100	151	212	240	15 kg	50 kg	A	13, 39, 52, 53, 74, 101, 147, 148
				III	4.1	B134, IB8, IP21, T1, TP33, W100	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101, 147, 148
	Aluminum powder, uncoated	4.3	UN1396	II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 39, 52, 53, 148





Ammonium dinitro-o-cresolate solution	6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	36, 66, 78, 91
Ammonium fluoride	6.1	UN2505	III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	36, 66, 78, 91
Ammonium fluosulfate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium fulminate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium hydrogen sulfate	8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
Ammonium hydrogendifluoride, solid	8	UN1727	II	8	IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52, 53, 58
Ammonium hydrogendifluoride, solution	8	UN2817	II	8, 6.1	IB2, N34, T8, TP2, TP13	154	202	243	1 L	30 L	B	40, 53, 58
Ammonium hydrosulfide, solution, see Ammonium sulfide solution												
Ammonium hydroxide, see Ammonia solutions, etc												
Ammonium metavanadate	6.1	UN2859	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
Ammonium nitrate based fertilizer	5.1	UN2067	III	5.1	52, 148, 150, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	25, 59, 60, 66, 117, 124*
Ammonium nitrate based fertilizer	9	UN2071	III	9	132, B136, IB8, IP3	155	213	240	200 kg	200 kg	A	25, 59, 60, 66, 124
Ammonium nitrate emulsion or Ammonium nitrate suspension or Ammonium nitrate gel, intermediate for blasting explosives	5.1	UN3375	II	5.1	147, 148, 163, IB2, IP16	None	231	251	Forbidden	Forbidden	D	
Ammonium nitrate-fuel oil mixture containing only prilled ammonium nitrate and fuel oil	1.5D	NA0331	.....	1.5D	148	None	62	None	Forbidden	Forbidden	03	25, 19E
Ammonium nitrate, liquid (hot concentrated solution)	5.1	UN2426	.....	5.1	148, B5, T7	None	None	243	Forbidden	Forbidden	D	59, 60, 124
Ammonium nitrate, with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D	UN0222	.....	1.1D	370	None	62	None	Forbidden	Forbidden	04	25, 19E
Ammonium nitrate, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	UN1942	III	5.1	148, A1, A29, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 59, 60, 66, 116, 124
Ammonium nitrite	Forbidden											

D

A W

D

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Ammonium perchlorate	1.1D	UN0402	.....	1.1D	107	62	None	None	Forbidden	Forbidden	04	25, 19E
	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	212	152	242	5 kg	25 kg	E	58, 69
	Ammonium permanganate	Forbidden	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	213	152	240	25 kg	100 kg	A	
	Ammonium persulfate	5.1	UN1444	.....	1.1D	.....	62	None	None	Forbidden	Forbidden	04	25, 5E, 19E
	Ammonium picrate, dry or wetted with less than 10 percent water, by mass	1.1D	UN0004	.....	1.1D	.....	62	None	None	Forbidden	Forbidden	04	25, 5E, 19E
	Ammonium picrate, wetted with not less than 10 percent water, by mass	4.1	UN1310	I	4.1	23, A2, N41, W31	211	None	None	0.5 kg	0.5 kg	D	28, 36
	Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	202	154	243	1 L	30 L	B	12, 25, 40, 52
				III	8, 6.1	IB3, T4, TP1, TP13	203	154	241	5 L	60 L	B	12, 25, 40, 52
	Ammonium polyvanadate	6.1	UN2861	II	6.1	IB8, IP2, IP4, T3, TP33	212	153	242	25 kg	100 kg	A	44, 89, 100, 141
	Ammonium silicofluoride, see Ammonium fluorosilicate	8	UN2683	II	8, 6.1, 3	IB1, T7, TP2, TP13	202	154	243	1 L	30 L	B	12, 22, 25, 52, 100
	Ammonium sulfide solution												
	Ammunition, blank, see Cartridges for weapons, blank												
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.2G	UN0171	.....	1.2G	.....	62	.....	62	Forbidden	Forbidden	03	25
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.3G	UN0254	.....	1.3G	.....	62	.....	62	Forbidden	Forbidden	03	25
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.4G	UN0297	.....	1.4G	.....	62	.....	62	Forbidden	75 kg	02	25

Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.3J	UN0247	.....	1.3J	.....	62	None	Forbidden	Forbidden	05	25, 23E
Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge see Contrivances, water-activated, etc.	1.2H	UN0243	.....	1.2H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.3H	UN0244	.....	1.3H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.2G	UN0009	.....	1.2G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.3G	UN0010	.....	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge or propelling charge	1.4G	UN0300	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.4G	UN0362	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.3G	UN0488	.....	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, proof	1.4G	UN0363	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
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, etc. (UN 0249)											
Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.2H	UN0245	.....	1.2H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
		1.3H	UN0246	.....	1.3H	.....		62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Ammunition, smoke with or without phosphorus with <i>burst</i> , <i>expelling charge</i> , or <i>propelling charge</i>	1.2G	UN0015	.....	1.2G	.....		62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, smoke with or without <i>burst</i> , <i>expelling charge</i> or <i>propelling charge</i>	1.3G	UN0016	.....	1.3G	.....		62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, smoke with or without <i>burst</i> , <i>expelling charge</i> or <i>propelling charge</i>	1.4G	UN0303	.....	1.4G	.....		62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	<i>Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339)</i>												
	Ammunition, tear-producing, non-explosive, without <i>burst</i> or <i>expelling charge</i> , non-fuzed	6.1	UN2017	.....	6.1, 8	.....	None	212	None	Forbidden	50 kg	E	13, 40
	Ammunition, tear-producing with <i>burst</i> , <i>expelling charge</i> or <i>propelling charge</i>	1.2G	UN0018	.....	1.2G, 8, 6.1	.....		62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with <i>burst</i> , <i>expelling charge</i> or <i>propelling charge</i>	1.3G	UN0019	.....	1.3G, 8, 6.1	.....		62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with <i>burst</i> , <i>expelling charge</i> or <i>propelling charge</i>	1.4G	UN0301	.....	1.4G, 8, 6.1	.....		62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	Ammunition, toxic, non-explosive, without <i>burst</i> or <i>expelling charge</i> , non-fuzed	6.1	UN2016	.....	6.1	.....	None	212	None	Forbidden	100 kg	E	13, 40

UN number	Proper shipping name	Quantity	Label	Special provisions	UN number	Proper shipping name	Quantity	Label	Special provisions	UN number	Proper shipping name	Quantity	Label	Special provisions
1.2K	UN0020	.....	1.2K, 6.1	.....	62	None	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E, 23, 14E, 15E, 17E			
1.3K	UN0021	.....	1.3K, 6.1	.....	62	None	None	Forbidden	Forbidden	05	53, 58			
3	UN1104	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A					
8	UN2819	III	8	IB3, T4, TP1	203	241	5 L	60 L	A					
3	UN2820	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A					
3	UN1107	II	3	IB2, T4, TP1	202	242	5 L	60 L	B					
3	UN1109	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A					
3	UN1111	II	3	A3, IB2, T4, TP1	202	242	5 L	60 L	B		95, 102			
3	UN1110	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A					
3	UN1112	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A					
3	UN1113	II	3	IB2, T4, TP1	202	242	5 L	60 L	E		40			
3	UN1106	II	3, 8	IB2, T7, TP1	202	243	1 L	5 L	B		40			
3	UN1128	II	3, 8	B1, IB3, T4, TP1	203	242	5 L	60 L	A		52			
8	UN1728	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	206	242	Forbidden	30 L	C		40, 53, 58			
6.1	UN1547	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	A		40, 52			
6.1	UN1548	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A					
6.1	UN2431	III	6.1	IB3, T4, TP1	203	241	60 L	220 L	A					
3	UN2222	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A					
8	UN1729	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	212	240	15 kg	50 kg	A		40, 53, 58			
6.1	UN3141	III	6.1	35, IB3, T7, TP1, TP28	203	241	60 L	220 L	A					
6.1	UN1549	III	6.1	35, IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A					
6.1	UN1550	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A					
8	UN1730	II	8	B2, IB2, T7, TP2	202	242	1 L	30 L	C		40, 53, 58			
8	UN1731	II	8	B2, IB2, T7, TP2	202	242	1 L	30 L	C		40, 53, 58			



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Antimony pentafluoride	8	UN1732	II	8, 6.1	IB3, T4, TP1 A3, A7, A10, IB2, N3, N36, T7, TP2	154	203	241	5 L	60 L	C	40, 53, 58
	Antimony potassium tartrate	6.1	UN1551	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40, 44, 53, 58, 89, 100, 141
	Antimony powder	6.1	UN2871	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	<i>Antimony sulfide and a chlorate, mixtures of</i>	Forbidden											
	<i>Antimony sulfide, solid, see Antimony compounds, inorganic, n.o.s.</i>												
	Antimony trichloride, liquid	8	UN1733	II	8	B2, IB2	154	202	242	1 L	30 L	C	40, 53, 58
	Antimony trichloride, solid	8	UN1733	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
	<i>Aqua ammonia, see Ammonia solution, etc</i>												
	Argon, compressed	2.2	UN1006		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
	Argon, refrigerated liquid ( <i>cryogenic liquid</i> )	2.2	UN1951		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
	Arsenic	6.1	UN1558	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenic acid, liquid	6.1	UN1553	I	6.1	T20, TP2, TP7, TP13, W31	None	201	243	1 L	30 L	B	46
	Arsenic acid, solid	6.1	UN1554	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 25, 40
	Arsenic bromide	6.1	UN1555	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Arsenic chloride, see Arsenic trichloride</i>												
G	Arsenic compounds, liquid, n.o.s. <i>inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s</i>	6.1	UN1556	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 137

G	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	III	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 137
				I	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40, 137
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	137
	Arsenic pentoxide	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	137
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenic sulfide and a chlorate, mixtures of	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenic trioxide	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				II	6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Arsenic dust	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Arsenic pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN2994	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Arsenic pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2993	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
			I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
			II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
Arsenic pesticides, solid, toxic	6.1	UN2759	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40	
			I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40	
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
Arsenic acid, solid, see Arsenic trioxide	6.1	UN2188	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	
			II	2, 3	1	None	192	245	Forbidden	Forbidden	D	40	
			I	2, 1	1	None	302c	None	Forbidden	Forbidden	D		
Arsenic compounds, liquid, n.o.s.	2.3	UN3522	.....	2, 3	1	None	214	214	Forbidden	Forbidden			
			.....	2, 1	131, 391	None	214	214	Forbidden	Forbidden			
Articles containing a substance liable to spontaneous combustion, n.o.s.	4.2	UN3542	.....	2, 1	131, 391	None	214	214	Forbidden	Forbidden			
			.....	2, 1	131, 391	None	214	214	Forbidden	Forbidden			

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Articles containing a substance which in contact with water emits flammable gases, n.o.s.	4.3	UN3543	.....		131, 391	None	214	214	Forbidden	Forbidden		
G	Articles containing corrosive substance, n.o.s.	8	UN3547	.....		391	None	232	232	Forbidden	Forbidden	B	
G	Articles containing flammable gas, n.o.s.	2.1	UN3537	.....		391	None	232	232	Forbidden	Forbidden	D	
G	Articles containing flammable liquid, n.o.s.	3	UN3540	.....		391	None	232	232	Forbidden	Forbidden	B	
G	Articles containing flammable solid, n.o.s.	4.1	UN3541	.....		391	None	232	232	Forbidden	Forbidden	B	
G	Articles containing miscellaneous dangerous goods, n.o.s.	9	UN3548	.....		391	None	232	232	Forbidden	Forbidden	A	
G	Articles containing non-flammable, non-toxic gas, n.o.s.	2.2	UN3538	.....		391	None	232	232	Forbidden	Forbidden	A	
G	Articles containing organic peroxide, n.o.s.	5.2	UN3545	.....		131, 391	None	214	214	Forbidden	Forbidden		
G	Articles containing oxidizing substance, n.o.s.	5.1	UN3544	.....		131, 391	None	214	214	Forbidden	Forbidden		
G	Articles containing toxic gas, n.o.s.	2.3	UN3539	.....		131, 391	None	214	214	Forbidden	Forbidden	B	
G	Articles containing toxic substance, n.o.s.	6.1	UN3546	.....		391	None	232	232	Forbidden	Forbidden		
G	Articles, explosive, extremely insensitive or Articles, EEI	1.6N	UN0486	.....	1.6N	.....	None	62	None	Forbidden	Forbidden	03	25
G	Articles, explosive, n.o.s.	1.4S	UN0349	.....	1.4S	101, 148, 347, 382	None	62	None	25 kg	100 kg	01	25
G	Articles, explosive, n.o.s.	1.4B	UN0350	.....	1.4B	101	None	62	None	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s.	1.4C	UN0351	.....	1.4C	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s.	1.4D	UN0352	.....	1.4D	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s.	1.4G	UN0353	.....	1.4G	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s.	1.1L	UN0354	.....	1.1L	101	None	62	None	Forbidden	Forbidden	02	25, 14E, 15E
G	Articles, explosive, n.o.s.	1.2L	UN0355	.....	1.2L	101	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
G	Articles, explosive, n.o.s.	1.3L	UN0356	.....	1.3L	101	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E

G	Articles, explosive, n.o.s	1.1C	UN0462	.....	1.1C	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.1D	UN0463	.....	1.1D	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.1E	UN0464	.....	1.1E	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.1F	UN0465	.....	1.1F	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2C	UN0466	.....	1.2C	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2D	UN0467	.....	1.2D	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2E	UN0468	.....	1.2E	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2F	UN0469	.....	1.2F	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.3C	UN0470	.....	1.3C	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.4E	UN0471	.....	1.4E	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.4F	UN0472	.....	1.4F	101	None	62	None	Forbidden	03	25
G	Articles, pressurized pneumatic or hydraulic containing non-flammable gas	2.2	UN3164	.....	2.2	371	306	302, 304	None	Forbidden	A	25
	Articles, pyrophoric	1.2L	UN0380	.....	1.2L	.....	None	62	None	Forbidden	05	25, 14E, 15E, 17E
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	.....	1.1G	.....	None	62	None	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	.....	1.2G	.....	None	62	None	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	.....	1.3G	.....	None	62	None	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	.....	1.4G	381	None	62	None	Forbidden	02	25
	Articles, pyrotechnic for technical purposes	1.4S	UN0432	.....	1.4S	.....	None	62	None	Forbidden	01	25
D	Asbestos	9	NA2212	III	9	156, IB8, IP2, IP4	155	216	216, 240	200 kg	A	34, 40
G I	Asbestos, amphibole amosite, tremolite, actinolite, anthophyllite, or crocidolite	9	UN2212	II	9	156, IB8, IP2, IP4, T3, TP33	155	216	216, 240	Forbidden	A	34, 40
I	Asbestos, chrysotile	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	216, 240	200 kg	A	34, 40
D	Ascaridole (organic peroxide)	Forbidden										
D	Asphalt, at or above its flash point	3	NA1999	III	3	IB3, T1, TP3	150	203	247	Forbidden	D	
D	Asphalt, cut back, see Tars, liquid, etc											
	Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc											
A,	Aviation regulated liquid, n.o.s	9	UN3334	.....	9	A35, A189	155	204	450 L	450 L	A	
G	Aviation regulated solid, n.o.s	9	UN3335	.....	9	A35	155	204	400 kg	400 kg	A	
	Azauric acid (salt of) (dry)	Forbidden										
	Azido guanidine picrate (dry)	Forbidden										
	5-Azido-1-hydroxy tetrazole	Forbidden										

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Azido hydroxy tetrazole (mercury and silver salts)	Forbidden	UN3242	II	4.1	38, IB8, T3, TP33	151	223	240	Forbidden	Forbidden	D	2, 52, 53, 74
	3-Azido-1,2-Propylene glycol dinitrate	Forbidden	UN1400	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
	Azidothiocarbonic acid	Forbidden	UN1854	I	4.2	T21, TP7, TP33, W31	None	181	None	Forbidden	Forbidden	D	13, 148
	Azidoethyl nitrate	Forbidden	UN0224	.....	1.1A, 6.1	111, 117	None	62	None	Forbidden	Forbidden	05	25
	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution	4.1	UN3242	II	4.1	162, A2, W31	None	182	None	Forbidden	0.5 kg	D	28, 36
	Azodicarbonamide	Forbidden	UN1571	I	4.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Azotetrazole (dry)	4.3	UN1400	II	5.1, 6.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Barium alloys, pyrophoric	4.2	UN1854	I	5.1, 6.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
	Barium azide, dry or wetted with less than 50 percent water, by mass	1.1A	UN0224	.....	6.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
	Barium azide, wetted with not less than 50 percent water, by mass	4.1	UN1571	I	4.1, 6.1	A9, IB2, N34, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
	Barium bromate	5.1	UN2719	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52
	Barium chlorate, solid	5.1	UN1445	II	5.1, 6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	100 kg	200 kg	A	40, 52
	Barium chlorate, solution	5.1	UN3405	II	5.1, 6.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	B	4, 52, 56, 58, 106
G	Barium compounds, n.o.s	6.1	UN1564	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Barium cyanide	6.1	UN1565	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Barium hypochlorite, with more than 22 percent available chlorine	6.1	UN1565	I	6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	A	40, 52
	Barium nitrate	5.1	UN2741	II	5.1, 6.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	B	4, 52, 56, 58, 106
	Barium nitrate	5.1	UN1446	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
	Barium oxide	6.1	UN1884	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	

Barium perchlorate, solid	5.1	UN1447	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Barium perchlorate, solution	5.1	UN3406	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
Barium permanganate	5.1	UN1448	III	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
Barium peroxide	5.1	UN1449	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
<i>Barium selenate, see Selenates or Selenites</i>												
<i>Barium selenite, see Selenates or Selenites</i>												
Batteries, containing sodium hydroxide solid, <i>electric storage</i>	4.3	UN3292	.....	4.3	.....	189	189	189	Forbidden	No limit	A	13, 148
Batteries, dry, sealed, n.o.s.	8	UN3028	.....	8	.....	None	213	None	25 kg	230 kg	A	52
Batteries, nickel-metal hydride see Batteries, dry, sealed, n.o.s. for nickel-metal hydride batteries transported by modes other than vessel	9	UN3496	.....	9	130 340				.....	.....	A	25
Batteries, wet, filled with acid, <i>electric storage</i>	8	UN2794	.....	8	A51	159	159	159	30 kg	No limit	A	53, 58, 146
Batteries, wet, filled with alkali, <i>electric storage</i>	8	UN2795	.....	8	A51	159	159	159	30 kg	No limit	A	52, 146
Batteries, wet, non-spillable, <i>electric storage</i>	8	UN2800	.....	8	.....	159a	159	159	No limit	No limit	A	
Battery fluid, acid	8	UN2796	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B	
Battery fluid, alkali	8	UN2797	II	8	B2, IB2, N6, T7, TP2, TP28	154	202	242	1 L	30 L	A	29
<i>Battery lithium type, see Lithium batteries etc</i>												
Battery-powered vehicle or Battery-powered equipment	9	UN3171		9	134	220	220	None	No limit	No limit	A	
<i>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</i>												
Benzaldehyde	9	UN1990	III	9	IB3, T2, TP1	155	203	241	100 L	220 L	A	40
Benzene	3	UN1114	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Benzene diazonium chloride (dry)</i>	Forbidden											
<i>Benzene diazonium nitrate (dry)</i>	Forbidden											
<i>Benzene phosphorus dichloride, see Phenyl phosphorus dichloride</i>												

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
	<i>Benzene phosphorus trichloride</i> , see Phenyl phosphorus trichloride														
	Benzene sulfonyl chloride	8	UN2225	III	8	IB3, T4, TP1	154	203	241		5 L	60 L	A		40
	<i>Benzene triozonide</i>	Forbidden													
	<i>Benzethiol</i> , see Phenyl mercaptan														
	Benzidine	6.1	UN1885	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242		25 kg	100 kg	A		
	<i>1, 3, 2-Benzodioxaborole</i>	.....				A210									
	<i>Benzol</i> , see Benzene														
	Benzonitrile	6.1	UN2224	II	6.1	IB2, T7, TP2	153	202	243		5 L	60 L	A		40, 52
	Benzoquinone	6.1	UN2587	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242		25 kg	100 kg	A		
	Benzotrithloride	8	UN2226	II	8	B2, IB2, T7, TP2	154	202	242		1 L	30 L	A		40, 53, 58
	Benzotrifluoride	3	UN2338	II	3	IB2, T4, TP1	150	202	242		5 L	60 L	B		40
	<i>Benzotriazoles (dry)</i>	Forbidden													
	<i>Benzoyl azide</i>	Forbidden													
	Benzoyl chloride	8	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242		1 L	30 L	C		40, 53, 58
	Benzyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243		1 L	30 L	D		13, 40, 53, 58
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243		1 L	30 L	D		13, 40, 53, 58
	Benzyl chloride <i>unstabilized</i>	6.1	UN1738	II	6.1, 8	A3, A7, B8, B11, IB2, N33, N34, N43, T8, TP2, TP13	153	202	243		1 L	30 L	D		13, 40, 53, 58
	Benzyl chloroformate	8	UN1739	I	8	B4, N41, T10, TP2, TP13	None	201	243		Forbidden	2.5 L	D		40, 53, 58
	Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243		5 L	60 L	B		12, 40
	Benzyl dimethylamine	8	UN2619	II	8, 3	B2, IB2, T7, TP2	154	202	243		1 L	30 L	A		25, 40, 52
	Benzylidene chloride	6.1	UN1886	II	6.1	IB2, T7, TP2	153	202	243		5 L	60 L	D		40
	Beryllium compounds, n.o.s	6.1	UN1566	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242		25 kg	100 kg	A		
	Beryllium nitrate	5.1	UN2464	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242		100 kg	200 kg	A		

Beryllium, powder	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33, W100	153	212	242	15 kg	50 kg	A	13, 147, 148, 25
Bicyclo [2.2.1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized	3	UN2251	II	3	387, IB2, T7, TP2	150	202	242	5 L	60 L	D	40
Biological substance, Category B	6.2	UN3373	I	3, 6.1	A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40
<i>Biphenyl triazone</i>	Forbidden					None	201	243	Forbidden	30 L	E	
Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	
Bipyridilium pesticides, liquid, toxic	6.1	UN3016	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3015	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3015	I	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
Bipyridilium pesticides, solid, toxic	6.1	UN2781	III	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	21, 40
<i>Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.</i>						153	202	243	5 L	60 L	B	21, 40
Bisulfite, aqueous solution	8	UN2837	II	8	IB2, T11, TP2, TP13, TP27	153	202	243	60 L	220 L	A	21, 40
Black powder, compressed or Gunpowder, in pellets or Gunpowder, granular or as a meal	8	UN2693	III	8	B1, IB3, T7, TP2, TP28	153	203	242	5 kg	50 kg	A	40
Black powder for small arms	1.1D	UN0028	.....	1.1D	IB7, IP1, T6, TP33	None	211	242	25 kg	100 kg	A	40
Blasting agent, n.o.s., see Explosives, blasting etc	1.1D	UN0027	.....	1.1D	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	200 kg	A	40
Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting	4.1	NA0027	I	4.1	IB8, IP3, T1, TP33	153	213	240	Forbidden	Forbidden	04	40, 52, 25
Blasting caps, electric, see Detonators, electric for blasting						None	62	None	Forbidden	Forbidden	04	25
Blasting caps, non-electric, see Detonators, non-electric, for blasting						None	170	None	Forbidden	Forbidden	E	
Bleaching powder, see Calcium hypochlorite mixtures, etc						70		None	Forbidden	Forbidden		

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Bromoacetic acid solution	8	UN1938	II	8	A7, B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58
				III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	40, 53, 58
+	Bromoacetone	6.1	UN1569	II	6.1, 3	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40
	Bromoacetyl bromide	8	UN2513	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53, 58
	Bromobenzene	3	UN2514	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25, 40, 52
	Bromobenzyl cyanides, liquid	6.1	UN1694	I	6.1	T14, TP2, TP13, W31	None	201	243	Forbidden	30 L	D	12, 25, 40, 52
	Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T6, TP33, W31	None	211	242	5 kg	50 kg	D	12, 25, 40, 52
	1-Bromobutane	3	UN1126	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Bromobutane	3	UN2339	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromochloromethane	6.1	UN1887	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	2-Bromoethyl ethyl ether	3	UN2340	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromoform	6.1	UN2515	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25, 40
	Bromomethylpropanes	3	UN2342	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Bromopentane	3	UN2343	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromopropanes	3	UN2344	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	3-Bromopropyne	3	UN2345	III	3	IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Bromosilane	Forbidden		II	3	IB2, T4, TP1	150	202	242	5 L	60 L	D	40
	Bromotoluene-alpha, see Benzyl bromide												
	Bromotrifluoroethylene	2.1	UN2419		2.1		None	304	314, 315	Forbidden	150 kg	B	40
	Bromotrifluoromethane or Refrigerant gas, R 13B1.	2.2	UN1009		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Brucine	6.1	UN1570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	25
	Burstiers, explosive	1.1D	UN0043	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25, 40
	Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes	2.1	UN1010	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	B	
	Butane see also Petroleum gases, liquefied	2.1	UN1011		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage			
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
(1)	Butyl propionates 5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene Butyl vinyl ether, stabilized n-Butylamine N-Butylamine tert-Butylcyclohexylchloroformate  Butylene see also Petroleum gases, liquefied 1,2-Butylene oxide, stabilized  Butyltoluenes Butyltrichlorosilane  1,4-Butynediol  Butyraldehyde Butyraldoxime Butyric acid  Butyric anhydride Butyronitrile Butyryl chloride  Cacodylic acid  Cadmium compounds  Caesium hydroxide Caesium hydroxide solution  Calcium  Calcium arsenate Calcium arsenate and calcium arsenite, mixtures, solid	3	UN1914	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25,		
		4.1	UN2956	III	4.1	159	None	223	None	None	Forbidden	Forbidden	D	40, 127	
		3	UN2352	II	3	387, IB2, T4, TP1	150	202	242	242	5 L	60 L	C	25, 40	
		3	UN1125	II	3, 8	IB2, T7, TP1	150	202	242	242	1 L	5 L	B	40, 52	
		6.1	UN2738	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	A	74	
		6.1	UN2747	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	220 L	A	12, 13,	
		2.1	UN1012	II	2.1	19, T50	306	304	314,	314,	Forbidden	150 kg	150 kg	E	25
		3	UN3022	II	3	387, IB2, T4, TP1	150	202	242	242	5 L	60 L	C	25, 27,	
		6.1	UN2667	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	220 L	A	49	
		8	UN1747	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	243	Forbidden	30 L	C	40, 53,	
		6.1	UN2716	III	6.1	A1, IB8, IP3, T1, TP33	None	213	240	240	100 kg	200 kg	C	52, 53,	
		3	UN1129	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B	70	
		3	UN2840	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A		
		8	UN2820	III	8	IB3, T4, TP1	154	203	241	241	5 L	60 L	A	12, 25,	
		8	UN2739	III	8	IB3, T4, TP1	154	203	241	241	5 L	60 L	A	53, 58	
		3	UN2411	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	243	1 L	60 L	E	40	
		3	UN2353	II	3, 8	IB2, T8, TP2, TP13	150	202	243	243	1 L	5 L	C	40, 53,	
G	Cacodylic acid  Cadmium compounds  Caesium hydroxide Caesium hydroxide solution  Calcium  Calcium arsenate Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1572	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	E	52, 53,		
		6.1	UN2570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	58		
		6.1	UN2570	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		8	UN2682	II	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
		8	UN2681	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52,		
		8	UN2681	II	8	B2, IB2, T7, TP2	154	202	242	242	1 L	30 L	A	29, 52	
		8	UN2681	III	8	IB3, T4, TP1	154	203	241	241	5 L	60 L	A	29, 52	
		4.3	UN1401	II	4.3	IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52,		
		6.1	UN1573	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	148		
		6.1	UN1574	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
A	Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5% but not more than 16% water	5.1	UN2880	II	5.1	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
		III	5.1, 8	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	152	213	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142		
												III	5.1
		III	4.3	A1, A19, IB8, IP4, T1, TP33, W31	151	213	241	25 kg	100 kg	A	13, 52, 85, 103, 148		
												III	5.1
		III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	56, 58		
												III	5.1
		III	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148		
												III	4.3
III	4.2	W31	None	187	None	Forbidden	Forbidden	D	13, 148				
										III	4.1	A1, A19, IB6, T1, TP33	None
III	4.1	A1, A19, IB4, T1, TP33	None	213	240	25 kg	100 kg	A					

Calcium silicide	4.3	UN1405	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31	151	212	241	15 kg	50 kg	B	13, 52, 85, 103, 148
Camphor oil	3	UN1130	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	13, 52, 85, 103, 148
Camphor, synthetic	4.1	UN2717	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	B	13, 52, 85, 103, 148
Cannon primers, see Primers, tubular	9	UN3508	.....	9	372	176	176	176	No limit	No Limit	A	
Capacitor, asymmetric with an energy storage capacity greater than 0.3 Wh	9	UN3499	.....	9	361	176	176	176	No limit	No limit	A	
Capacitor, electric double layer with an energy storage capacity greater than 0.3 Wh	8	UN2829	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Caproic acid	3	UN2758	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Caps, blasting, see Detonators, etc	6.1	UN2992	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Carbamate pesticides, liquid, toxic	6.1	UN2991	II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2757	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Carbamate pesticides, solid, toxic	6.1	UN2757	I	6.1	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
Carbolic acid, see Phenol, solid or Phenol, molten	4.2	UN1362	III	4.2	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Carboic acid solutions, see Phenol solutions	4.2	UN1361	II	4.2	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Carbon, activated	4.2	UN1361	III	4.2	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Carbon, animal or vegetable origin	2.2	UN1013	III	2.2	IB8, IP3, T1, TP33	306	302, 304	302, 314, 315	75 kg	150 kg	A	
Carbon bisulfide, see Carbon disulfide												
Carbon dioxide												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
A W	Carbon dioxide, refrigerated liquid	2.2	UN2187		2.2	T75, TP5	306	304	314, 315	50 kg	500 kg	D	
	Carbon dioxide, solid or Dry Ice	9	UN1845		None		217	217	240	200 kg	200 kg	C	40
	Carbon disulfide	3	UN1131	I	3, 6.1	B16, T14, TP2, TP7, TP13, W31	None	201	243	Forbidden	Forbidden	D	40, 78, 115
D	Carbon monoxide, compressed	2.3	UN1016		2.3, 2.1		None	302	314, 315	Forbidden	25 kg	D	40
	Carbon monoxide, refrigerated liquid (cryogenic liquid)	2.3	NA9202		2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	
	Carbon tetrachloride	6.1	UN2516	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25
	Carbonyl chloride, see Phosgene	6.1	UN1846	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40
	Carbonyl fluoride	2.3	UN2417		2.3, 8		None	302	None	Forbidden	Forbidden	D	40
	Carbonyl sulfide	2.3	UN2204		2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	<i>Cartridge cases, empty primed, see Cases, cartridge, empty, with primer</i>												
	<i>Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device</i>												
	<i>Cartridges, explosive, see Charges, demolition</i>												
	<i>Cartridges, sporting, see Cartridges for weapons, inert projectile, or Cartridges, small arms</i>												
	Cartridges, flash	1.1G	UN0049		1.1G		None	62	None	Forbidden	Forbidden	03	25
	Cartridges, flash	1.3G	UN0050		1.3G		None	62	None	Forbidden	75 kg	03	25
	Cartridges for weapons, blank	1.1C	UN0326		1.1C		None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank	1.2C	UN0413		1.2C		None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.3C	UN0327		1.3C		None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.4C	UN0338		1.4C		None	62	None	Forbidden	75 kg	02	25

Cartridges for weapons, blank or Cartridges, small arms, blank or Cartridges for tools, blank	1.4S UN0014	.....	None	.....	.....	63	62	None	25 kg	100 kg	01	25
Cartridges for weapons, inert projectile	1.2C UN0328	.....	1.2C	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, inert projectile or Cartridges, small arms	1.4S UN0012	.....	None	.....	63	62	None	25 kg	100 kg	100 kg	01	25
Cartridges for weapons, inert projectile or Cartridges, small arms	1.4C UN0339	.....	1.4C	.....	.....	None	62	Forbidden	Forbidden	75 kg	02	25
Cartridges for weapons, inert projectile or Cartridges, small arms	1.3C UN0417	.....	1.3C	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, small arms	1.1F UN0005	.....	1.1F	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, with bursting charge	1.1E UN0006	.....	1.1E	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, with bursting charge	1.2F UN0007	.....	1.2F	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, with bursting charge	1.2E UN0321	.....	1.2E	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, with bursting charge	1.4F UN0348	.....	1.4F	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges for weapons, with bursting charge	1.4E UN0412	.....	1.4E	.....	.....	None	62	Forbidden	75 kg	75 kg	03	25
Cartridges, oil well	1.3C UN0277	.....	1.3C	.....	.....	None	62	Forbidden	Forbidden	Forbidden	03	25
Cartridges, oil well	1.4C UN0278	.....	1.4C	.....	.....	None	62	Forbidden	Forbidden	75 kg	02	25
Cartridges, power device	1.3C UN0275	.....	1.3C	.....	.....	None	62	Forbidden	75 kg	75 kg	03	25
Cartridges, power device	1.4C UN0276	.....	1.4C	.....	110	62	62	Forbidden	75 kg	75 kg	02	25
Cartridges, power device	1.4S UN0283	.....	1.4S	.....	110, 347	62	62	Forbidden	100 kg	100 kg	01	25
Cartridges, power device	1.2C UN0381	.....	1.2C	.....	.....	None	62	Forbidden	25 kg	25 kg	03	25
Cartridges power device (used to project fastening devices)	ORIM-D	.....	None	.....	222	63	None	30 kg gross	Forbidden	Forbidden	A	25
Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014)												
Cartridges, safety, see Cartridges for weapons, inert projectile, or Cartridges, small arms or Cartridges, power device (UN 0323)	1.3G UN0054	.....	1.3G	.....	.....	None	62	Forbidden	75 kg	75 kg	03	25
Cartridges, signal	1.4G UN0312	.....	1.4G	.....	.....	None	62	Forbidden	75 kg	75 kg	02	25
Cartridges, signal	1.4S UN0405	.....	1.4S	.....	.....	None	62	Forbidden	100 kg	100 kg	01	25
Cartridges, small arms	ORIM-D	.....	None	.....	222	63	None	30 kg gross	Forbidden	Forbidden	A	25
Cartridges, starter, jet engine, see Cartridges, power device												
Cases, cartridge, empty with primer	1.4S UN0055	.....	1.4S	.....	50	63	62	25 kg	100 kg	100 kg	01	25
Cases, cartridges, empty with primer	1.4C UN0379	.....	1.4C	.....	50	None	62	Forbidden	75 kg	75 kg	02	25
Cases, combustible, empty, without primer	1.4C UN0446	.....	1.4C	.....	.....	None	62	Forbidden	75 kg	75 kg	02	25

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
A W	Cases, combustible, empty, without primer <i>Casinghead gasoline see Gasoline</i>	1.3C	UN0447	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	03	25
	Castor beans or Castor meal or Castor pomace or Castor flake <i>Catecholborane</i>	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33	155	204	240	No limit	No limit	E	34, 40, 44, 122
G	Cautic alkali liquids, n.o.s.	8	UN1719	II III	8 8	A210 B2, IB2, T11, TP2, TP27 IB3, T7, TP1, TP28	154 154	202 203	242 241	1 L 5 L	30 L 60 L	A A	29, 52 29, 52
	Cautic potash, see Potassium hydroxide etc <i>Cautic soda, (etc.) see Sodium hydroxide etc</i>	4.3 4.1	UN3292 UN2000	..... III	4.3 4.1	420	189 None	189 213	189 240	25 kg 25 kg	No limit 100 kg	A A	
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap	4.2	UN2002	III	4.2	IB8, IP3	None	213	241	Forbidden	Forbidden	D	
	Cement, see Adhesives containing flammable liquid	4.1	UN1333	II	4.1	IB8, IP2, IP4, N34, W100	None	212	240	15 kg	50 kg	A	13, 74, 91, 147, 148
D	Cerium, turnings or gritty powder	4.3	UN3078	II	4.3	A1, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 52, 148
	Cesium or Caesium	4.3	UN1407	I	4.3	A7, A19, IB4, IP1, N34, N40, W31	None	211	242	Forbidden	15 kg	D	13, 52, 148
	Cesium nitrate or Caesium nitrate	5.1	UN1451	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Charcoal briquettes, shell, screenings, wood, etc.	4.2	NA1361	III	4.2	IB8, T1, TP33	151	213	240	25 kg	100 kg	A	12
	Charges, bursting, plastics bonded	1.1D	UN0457	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25
	Charges, bursting, plastics bonded	1.2D	UN0458	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	03	25
	Charges, bursting, plastics bonded	1.4D	UN0459	.....	1.4D	.....	None	62	None	Forbidden	75 kg	02	25
	Charges, bursting, plastics bonded	1.4S	UN0460	.....	1.4S	347	None	62	None	25 kg	100 kg	01	25
	Charges, demolition	1.1D	UN0048	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	03	25
	Charges, depth	1.1D	UN0056	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	03	25

Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device	1.1D	UN0442	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, explosive, commercial without detonator	1.2D	UN0443	.....	1.2D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, explosive, commercial without detonator	1.4D	UN0444	.....	1.4D	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, explosive, commercial without detonator	1.4S	UN0445	.....	1.4S	.....	347	62	None	25 kg	100 kg	01	25
Charges, propelling	1.1C	UN0271	.....	1.1C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling	1.3C	UN0272	.....	1.3C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling	1.2C	UN0415	.....	1.2C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling	1.4C	UN0491	.....	1.4C	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, propelling, for cannon	1.3C	UN0242	.....	1.3C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling, for cannon	1.1C	UN0279	.....	1.1C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling, for cannon	1.2C	UN0414	.....	1.2C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, shaped, flexible, linear	1.4D	UN0237	.....	1.4D	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, shaped, flexible, linear	1.1D	UN0288	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	04	25
Charges, shaped, without detonator	1.1D	UN0059	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, shaped, without detonator	1.2D	UN0439	.....	1.2D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, shaped, without detonator	1.4D	UN0440	.....	1.4D	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, shaped, without detonator	1.4S	UN0441	.....	1.4S	.....	347	62	None	25 kg	100 kg	01	25
Charges, supplementary explosive	1.1D	UN0060	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Chemical kit	8	NA1760	II	8	.....	154	161	None	1 L	30 L	B	40
Chemical kit	9	UN3316	.....	9	.....	15	161	None	10 kg	10 kg	A	40
Chemical under pressure, corrosive, n.o.s	2.2	UN3503	.....	2.2, 8	.....	None	335	313, 315	Forbiddén	100 kg	D	40
Chemical under pressure, flammable, corrosive, n.o.s	2.1	UN3505	.....	2.1, 8	.....	None	335	313, 315	Forbiddén	75 kg	D	40
Chemical under pressure, flammable, n.o.s	2.1	UN3501	.....	2.1	.....	None	335	313, 315	Forbiddén	75 kg	D	40
Chemical under pressure, flammable, toxic, n.o.s	2.1	UN3504	.....	2.1, 6.1	.....	None	335	313, 315	Forbiddén	75 kg	D	40
Chemical under pressure, n.o.s	2.2	UN3500	.....	2.2	.....	None	335	313, 315	75 kg	150 kg	B	40
Chemical under pressure, toxic, n.o.s	2.2	UN3502	.....	2.2, 6.1	.....	None	335	313, 315	Forbiddén	100 kg	D	40
Chloral, anhydrous, stabilized	6.1	UN2075	II	6.1	.....	153	202	243	5 L	60 L	D	40
Chlorate and borate mixtures	5.1	UN1458	II	5.1	.....	A9, IB8, IP2, IP4, N34, T3, TP33	212	240	5 kg	25 kg	A	56, 58
Chlorate and magnesium chloride mixture solid	5.1	UN1459	III	5.1	.....	A9, IB8, IP3, N34, T1, TP33	213	240	25 kg	100 kg	A	56, 58
Chlorate and magnesium chloride mixture solution	5.1	UN3407	II	5.1	.....	A9, IB8, IP2, IP4, N34, T3, TP33	212	240	5 kg	25 kg	A	56, 58
			II	5.1	.....	A9, IB2, N34, T4, TP1	202	242	1 L	5 L	A	56, 58, 133

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Chlorate of potash, see Potassium chlorate</i> <i>Chlorate of soda, see Sodium chlorate</i> Chlorates, inorganic, aqueous solution, n.o.s	5.1	UN3210	III	5.1	A9, IB2, N34, T4, TP1	152	203	241	2.5 L	30 L	A	56, 58, 133
G	Chlorates, inorganic, n.o.s	5.1	UN3210	II	5.1	351, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
G	Chlorates, inorganic, n.o.s	5.1	UN1461	III	5.1	351, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
	Chloric acid aqueous solution, with not more than 10 percent chloric acid <i>Chloride of phosphorus, see Phosphorus trichloride</i> <i>Chloride of sulfur, see Sulfur chloride</i> <i>Chlorinated lime, see Calcium hypochlorite mixtures, etc</i> Chlorine	5.1	UN2626	II	5.1	351, A9, IB6, IP2, N34, T3, TP33 IB2, T4, TP1, W31	None	229	None	Forbidden	Forbidden	D	53, 56, 58
	Chlorine, adsorbed	2.3	UN1017	2.3, 5.1, 8	2.3, 5.1, 8	2, B9, B14, N86, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
	Chlorine, adsorbed	2.3	UN3520	.....	2.3, 5.1, 8	2, B9, B14, N86	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
D	<i>Chlorine azide</i> Chlorine dioxide, hydrate, frozen <i>Chlorine dioxide (not hydrate)</i> Chlorine pentafluoride	Forbidden 5.1 Forbidden 2.3	NA9191 UN2548	II	5.1, 6.1		None	229	None	Forbidden	Forbidden	E	
	Chlorine trifluoride	2.3	UN1749	2.3, 5.1, 8	2.3, 5.1, 8	1, B7, B9, B14, N86 2, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90
	Chlorine trifluoride	2.3	UN1749	2.3, 5.1, 8	2.3, 5.1, 8	2, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90

Chlorite solution	8	UN1908	II	8	A3, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26, 44, 89, 100, 141
Chlorites, inorganic, n.o.s.	5.1	UN1462	II	5.1	352, A7, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	26, 44, 89, 100, 141
1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b	2.1	UN2517	III	2.1	IB2, T50	306	304	314, 315	Forbidden	150 kg	B	40
3-Chloro-4-methylphenyl isocyanate, liquid	6.1	UN2236	II	6.1	IB2	153	202	243	5 L	60 L	B	40
3-Chloro-4-methylphenyl isocyanate, solid	6.1	UN3428	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
1-Chloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 124	2.2	UN1021	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
4-Chloro-o-toluidine hydrochloride, solid	6.1	UN1579	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
4-Chloro-o-toluidine hydrochloride, solution	6.1	UN3410	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a	2.2	UN1983	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Chloroacetic acid, molten	6.1	UN3250	II	6.1, 8	IB1, T7, TP3, TP28	None	202	243	Forbidden	Forbidden	C	40, 53, 58
Chloroacetic acid, solid	6.1	UN1751	II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	15 kg	50 kg	C	40, 53, 58
Chloroacetic acid, solution	6.1	UN1750	II	6.1, 8	A7, IB2, N34, T7, TP2	153	202	243	1 L	30 L	C	40, 53, 58
Chloroacetone, stabilized	6.1	UN1695	I	6.1, 3, 8	2, B9, B14, B32, N12, N32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 40, 100
Chloroacetone (unstabilized)	Forbidden											
Chloroacetonitrile	6.1	UN2668	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 25, 40, 52
Chloroacetophenone, liquid, (CM)	6.1	UN3416	II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None	202	243	Forbidden	60 L	D	12, 25, 40
Chloroacetophenone, solid, (CN)	6.1	UN1697	II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33	None	212	None	Forbidden	100 kg	D	12, 25, 40
Chloroacetyl chloride	6.1	UN1752	I	6.1, 8	2, B3, B8, B9, B14, B32, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 53, 58
Chloroanilines, liquid	6.1	UN2019	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	52
Chloroanilines, solid	6.1	UN2018	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Chloroanisidines	6.1	UN2233	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Chlorobenzene	3	UN1134	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(9C) Other	(10A) Loca-tion	(10B) Other
+	Chlorobenzotrifluorides Chlorobenzyl chlorides, liquid Chlorobenzyl chlorides, solid Chlorobutanes Chlorocresols solution Chlorocresols, solid Chlorodifluorobromomethane or Re-frigerant gas R 12B1 Chlorodifluoromethane Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approxi-mately 49 percent chlorodifluoromethane or Refrig-erant gas R 22 Chlorodifluoromethane or Refrig-erant gas R 22 Chlorodinitrobenzenes, liquid. Chlorodinitrobenzenes, solid 2-Chloroethanal	3	UN2234	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	40		
		6.1	UN2235	III	6.1	IB3, T4, TP1	203	241	60 L	220 L	A			
		6.1	UN3427	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A			
		3	UN1127	II	3	IB2, T4, TP1	202	242	5 L	60 L	B			
		6.1	UN2669	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	A	12, 25		
		6.1	UN3437	III	6.1	IB3, T7, TP2	203	241	60 L	220 L	A	12, 25		
		2.2	UN1974	II	2.2	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	12, 25		
		2.2	UN1973	II	2.2	T50	304	314, 315	75 kg	150 kg	A			
		2.2	UN1973	II	2.2	T50	304	314, 315	75 kg	150 kg	A			
		2.2	UN1018	II	2.2	T50	304	314, 315	75 kg	150 kg	A			
+	Chlorodinitrobenzenes, liquid. Chlorodinitrobenzenes, solid 2-Chloroethanal	6.1	UN1577	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	B	91		
		6.1	UN3441	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	91		
		6.1	UN2232	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	227	244	Forbidden	Forbidden	D	40		
		6.1	UN1888	III	6.1	IB3, N36, T7, TP2	203	241	60 L	220 L	A	40		
G	Chloroformates, toxic, corrosive, flammable, n.o.s	6.1	UN2742	II	6.1, 8, 3	5, IB1, T7, TP2	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 53, 58, 100		
		6.1	UN3277	II	6.1, 8	IB2, T8, TP2, TP13, TP28	202	243	1 L	30 L	A	12, 13, 25, 40, 53, 58, 100		
+	Chloromethyl chloroformate  Chloromethyl ethyl ether Chloronitroanilines Chloronitrobenzenes, liquid	6.1	UN2745	II	6.1, 8	IB2, T7, TP2, TP13	202	243	1 L	30 L	A	25, 40, 53, 58		
		3	UN2354	II	3, 6.1	IB2, T7, TP1, TP13	202	243	1 L	60 L	E	40		
		6.1	UN2237	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	44, 89, 100, 141		
+	Chloronitrobenzenes, liquid	6.1	UN3409	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	A	44, 89, 100, 141		
		6.1	UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A			

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Chloronitrotoluenes, liquid	6.1	UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
Chloronitrotoluenes, solid	6.1	UN3457	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	
Chloropentafluoroethane or Refrigerant gas R 115	2.2	UN1020	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Chlorophenolates, liquid or Phenolates, liquid or Phenolates, solid	8	UN2904	III	8	IB3	154	203	241	5 L	60 L	A	
Chlorophenolates, solid	8	UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
Chlorophenols, liquid	6.1	UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Chlorophenols, solid	6.1	UN2020	III	6.1	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	
Chlorophenyltrichlorosilane	8	UN1753	II	8	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40, 53, 58
Chloropicrin	6.1	UN1580	I	6.1	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Chloropicrin and methyl bromide mixtures	2.3	UN1581		2.3	2, B9, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	25, 40
Chloropicrin and methyl chloride mixtures	2.3	UN1582		2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc												
Chloropicrin mixtures, n.o.s	6.1	UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
			II	6.1	IB2	153	202	243	Forbidden	Forbidden	C	40
			III	6.1, 8	IB3	153	203	241	Forbidden	Forbidden	C	40
Chloropivaloyl chloride	6.1	NA9263	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
Chloroplatinic acid, solid	8	UN2507	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
Chloroprene, stabilized	3	UN1991	I	3, 6.1	387, B57, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	25, 40
Chloroprene, uninhibited	Forbidden											
1-Chloropropane	3	UN1278	II	3	IB2, IP8, N34, T7, TP2	None	202	242	Forbidden	60 L	E	
2-Chloropropane	3	UN2356	I	3	N36, T11, TP2, TP13	150	201	243	1 L	30 L	E	
3-Chloropropanol-1	6.1	UN2849	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
2-Chloropropene	3	UN2456	I	3	N36, T11, TP2	150	201	243	1 L	30 L	E	
2-Chloropropionic acid	8	UN2511	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	8, 53, 58
2-Chloropyridine	6.1	UN2822	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Chlorosilanes, corrosive, flammable, n.o.s	8	UN2986	II	8, 3	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40, 53, 58
Chlorosilanes, corrosive, n.o.s	8	UN2987	II	8	B2, T14, TP2, TP7, TP13, TP27	None	206	242	Forbidden	30 L	C	40, 53, 58
Chlorosilanes, flammable, corrosive, n.o.s	3	UN2985	II	3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	5 L	B	40, 53, 58
Chlorosilanes, toxic, corrosive, flammable, n.o.s	6.1	UN3362	II	6.1, 8, 3	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40, 53, 58, 125



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
G	Chlorosilanes, toxic, corrosive, n.o.s	6.1	UN3361	II	6.1, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	Forbidden	C	40, 53, 58
	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP13, W31	None	201	244	Forbidden	1 L	Forbidden	D	13, 21, 40, 49, 53, 58, 100, 147, 148
+	Chlorosulfonic acid (with or without sulfur trioxide)	8	UN1754	I	8, 6.1	2, B9, B10, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	Forbidden	C	40, 53, 58
	Chlorotoluenes	3	UN2238	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	220 L	A	
	Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	60 L	200 kg	200 kg	A	
	Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	75 kg	150 kg	A	
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane	2.2	UN2599		2.2		306	304	314, 315					
	Chlorotrifluoromethane or Refriger-erant gas R 13	2.2	UN1022		2.2		306	304	314, 315					
	Chromic acid solution	8	UN1755	II	8	B2, IB2, T8, TP2	154	202	242	75 kg	1 L	30 L	C	40, 44, 53, 58, 89, 100, 141
				III	8	IB3, T4, TP1	154	203	241	5 L	60 L		C	40, 44, 53, 58, 89, 100, 141
	Chromic anhydride, see Chromium trioxide, anhydrous	8	UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg		A	52, 53, 58
	Chromic fluoride, solid	8	UN1757	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L		A	53, 58
				III	8	IB3, T4, TP1	154	203	241	5 L	60 L		A	53, 58
	Chromic fluoride, solution			III	8	IB3, T4, TP1	154	203	241	5 L	60 L		A	

Chromium nitrate	5.1	UN2720	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	100 kg	A	40, 53, 58, 66, 74, 89, 90
Chromium oxychloride	8	UN1758	I	8	A7, B10, N34, T10, TP2	None	201	243	2.5 L	C	40, 53, 58, 66, 74, 89, 90
Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8	IB8, IP2, IP4, T3, TP33, W31	None	212	242	25 kg	A	66, 90
Chromosulfuric acid	8	UN2240	I	8	A7, B4, B6, N34, T10, TP2, TP13	None	201	243	2.5 L	B	40, 53, 58, 66, 74, 89, 90
<i>Chromyl chloride, see Chromium oxychloride</i> <i>Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.</i> <i>Coal briquettes, hot</i> <i>Coal gas, compressed</i>	Forbidden	UN1023		2.3, 2.1	3	None	302	314, 315	Forbidden	D	40
<i>Coal tar distillates, flammable</i>	3	UN1136	II III	3 3	IB2, T4, TP1 B1, IB3, T4, TP1, TP29	150 150	202 203	242 242	5 L 60 L	B A	
<i>Coal tar dye, corrosive, liquid, n.o.s., see Dyes, liquid or solid, n.o.s. or Dye intermediates, liquid or solid, corrosive, n.o.s.</i> <i>Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)</i>	3	UN1139	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	E	.....
<i>Cobalt naphthenates, powder</i> <i>Cobalt resinates, precipitated</i> <i>Coke, hot</i> <i>Collodion, see Nitrocellulose etc</i>	4.1 4.1 Forbidden	UN2001 UN1318	II III III III	3 3 4.1 4.1	149, IB2, T4, TP1, TP8 B1, IB3, T2, TP1 A19, IB8, IP3, T1, TP33 A1, A19, IB6, T1, TP33	150 150 151 151	202 203 213 213	242 242 240 240	5 L 60 L 25 kg 25 kg	B A A A	..... .....
<i>Combustible liquid, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Composition B, see Hexollite, etc</i> <i>Compounds, cleaning liquid</i>	Comb liq 1.2B 1.4B 1.4S 1.1B	NA1993 UN0382 UN0383 UN0384 UN0461	III ..... ..... ..... .....	None 1.2B 1.4B 1.4S 1.1B	148, IB3, T1, TP1 101 101 101, 347 101	150 None None None None	203 62 62 62 62	241 None None None None	60 L Forbidden Forbidden 25 kg Forbidden	A 05 05 01 05	..... 25 25 25 25
	8	NA1760	I II	8 8	A7, B10, T14, TP2, TP27 386, B2, IB2, N37, T11, TP2, TP27	None 154	201 202	243 242	0.5 L 1 L	B B	40 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D G	Compounds, cleaning liquid	3	NA1993	III	8	386, IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	8	NA1760	I	8	B2, IB2, N37, T11, TP2, TP27	150	201	243	1 L	30 L	E	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	III	8	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	III	3	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	III	8	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	III	3	T11, TP1	150	201	243	1 L	30 L	E	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	I	6.1	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	I	6.1	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Compressed gas, flammable, n.o.s.	2.1	UN1954	III	2.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G	Compressed gas, n.o.s.	2.2	UN1956	II	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Compressed gas, oxidizing, n.o.s.	2.2	UN3156	III	2.1		306	302, 305	314, 315	Forbidden	150 kg	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.2	UN3156	II	2.2	A14	306, 307	302, 305	314, 315	75 kg	150 kg	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3304	II	2.3, 8		None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3304	II	2.3, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3304	II	2.3, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3304	II	2.3, 8		None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3304	II	2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3305	II	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40

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G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3305	2.3, 2.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3305	2.3, 2.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3305	2.3, 2.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN1953	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN1953	2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN1953	2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN1953	2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN1955	2.3	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN1955	2.3	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN1955	2.3	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN1955	2.3	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3306	2.3, 5.1, 8	1	None	192	244	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3306	2.3, 5.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3306	2.3, 5.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3306	2.3, 5.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3303	2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3303	2.3, 5.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3303	2.3, 5.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3303	2.3, 5.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
D	Consumer commodity	ORM-D	.....	None	222	156, 306	167	None	30 kg gross	30 kg gross	A	
	Consumer commodity	9	ID8000	9	167	167		None	30 kg gross	30 kg gross		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Contrivances, water-activated, with bursting, expelling charge or propelling charge	1.2L	UN0248	.....	1.2L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with bursting, expelling charge or propelling charge	1.3L	UN0249	.....	1.3L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Copper acetoarsenite	6.1	UN1585	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper acetylacrylate	Forbidden											
	Copper amine azide	6.1	UN1586	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper arsenite	6.1	UN2776	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN3010	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3009	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper based pesticides, solid, toxic	6.1	UN2775	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	Copper chlorate	5.1	UN2721	II	5.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Copper chloride	8	UN2802	III	8	IB8, IP3, T1, TP33	154	213	240	100 kg	200 kg	A	40
	Copper cyanide	6.1	UN1587	II	6.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Copper selenate, see Selenates or Selenites	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	153	204	242	25 kg	100 kg	A	53, 58

A,W	Copper selenite, see Selenates or Selenites Copper tetramine nitrate Copia	Forbidden 4.2	UN1363	III	4.2	B136, IB3, IP3, IP7	None	213	241	Forbidden	Forbidden	A	13, 25, 119
	Cord, detonating, flexible	1.1D	UN0065	.....	1.1D	102, 148	63(a)	62	None	Forbidden	Forbidden	03	25
	Cord, detonating, flexible	1.4D	UN0289	.....	1.4D	148	None	62	None	Forbidden	Forbidden	02	25
	Cord, detonating or Fuze, detonating metal clad	1.2D	UN0102	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	03	25
	Cord, detonating or Fuze, detonating metal clad	1.1D	UN0290	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25
	Cord, detonating, mild effect or Fuze, detonating, mild effect metal clad	1.4D	UN0104	.....	1.4D	.....	None	62	None	Forbidden	Forbidden	02	25
	Cord, igniter Cordeau detonant fuse, see Cord, detonating, etc. Cordite, see Powder, smokeless Corrosive liquid, acidic, inorganic, n.o.s	1.4G	UN0066	.....	1.4G	.....	None	62	None	Forbidden	Forbidden	02	25
G	Corrosive liquid, acidic, organic, n.o.s	8	UN3264	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 53, 58
				II	8	386, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 53, 58
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 53, 58
				I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 53, 58
				II	8	148, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 53, 58
				III	8	386, IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 53, 58
				I	8	T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52
				II	8	386, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
				I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
				I	8, 4.2	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	D	25, 40
				II	8, 4.2	B2, IB1	154	202	242	1 L	30 L	D	25, 40
				I	8, 3	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	C	25, 40
				II	8, 3	B2, IB2, T11, TP2, TP27	154	202	243	1 L	30 L	C	25, 40
				I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
				I	8, 5.1	A7	None	201	243	Forbidden	Forbidden	C	89
				II	8, 5.1	A7, IB2	None	202	243	1 L	30 L	C	89

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
G	Corrosive liquids, toxic, n.o.s.	8	UN2922	I	8, 6.1	A7, B10, T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Corrosive liquids, water-reactive, n.o.s.	8	UN3094	III	8, 6.1	B3, IB2, T7, TP2	154	202	243	1 L	30 L	B	40
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	I	8, 4.3	IB3, T7, TP1, TP28	None	203	241	5 L	60 L	B	40
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3261	III	8, 4.3	A7	None	202	243	Forbidden	1 L	E	13, 148
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3262	I	8	IB7, IP1, T6, TP33	None	211	242	1 L	5 L	E	13, 148
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3263	I	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	53, 58
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	I	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	53, 58
G	Corrosive solids, flammable, n.o.s.	8	UN2921	III	8, 4.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	52
G	Corrosive solids, n.o.s.	8	UN1759	II	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084	III	8, 5.1	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	52
G	Corrosive solids, self-heating, n.o.s.	8	UN3095	II	8, 4.2	IB8, IP2, IP4, T3, TP33	None	211	242	15 kg	50 kg	B	12, 25
G	Corrosive solids, toxic, n.o.s.	8	UN2923	III	8, 6.1	IB8, IP2, IP4, T3, TP33	154	212	240	1 kg	25 kg	B	12, 25
G	Corrosive solids, water-reactive, n.o.s.	8	UN3096	I	8, 4.3	IB4, IP1, T6, TP33	None	211	243	1 kg	25 kg	D	13, 148





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(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Cyanogen	2.3	UN1026	III	6.1	IB8, IP3, N74, N75, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8, T6, TP33, W31	None	304	245	Forbidden	Forbidden	D	40
	Cyanogen chloride, stabilized	2.3	UN1589	.....	2.1	1, 387	None	211	242	1 kg	15 kg	D	40, 52
	Cyanuric chloride	8	UN2670	II	8	IB8, IP2, IP4, T3, TP33	None	212	245	Forbidden	50 kg	D	25, 40
	Cyanuric triazide	Forbidden					None	212	240	15 kg	50 kg	A	12, 25, 40, 53, 58
	Cyclobutane	2.1	UN2601		2.1		306	304	314, 315	Forbidden	150 kg	B	40
	Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8, 3	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 53, 58, 100
	1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Cycloheptane	3	UN2241	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	40
	Cycloheptatriene	3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Cycloheptene	3	UN2242	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Cyclohexane	3	UN1145	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Cyclohexanone	3	UN1915	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Cyclohexene	3	UN2256	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Cyclohexenylnitrichlorosilane	8	UN1762	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
	Cyclohexyl acetate	3	UN2243	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 95, 102
	Cyclohexyl isocyanate	6.1	UN2488	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Cyclohexyl mercaptan	3	UN3054	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 95, 102
	Cyclohexylamine	8	UN2357	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	40, 52
	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass	1.1D	UN0483	.....	1.1D	.....	.....	None (8A)	62 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	04 (10A)	25 (10B)
	Cymenes	3	UN2046	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	See A105	A	
	Dangerous Goods in Machinery or Dangerous Goods in Apparatus	9	UN3363	.....	1.1D	.....	None	222	None	None	See A105	See A105	A	
	Decaborane	4.1	UN1868	II	4.1, 6.1	A19, A20, B6, IP2, T3, TP33, W31	None	212	None	None	Forbidden	50 kg	A	74
	Decahydronaphthalene	3	UN1147	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	220 L	A	
	n-Decane	3	UN2247	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	220 L	A	
	Deflagrating metal salts of aromatic nitroderivatives, n.o.s.	1.3C	UN0132	.....	1.3C	.....	None	62	None	None	Forbidden	Forbidden	04	25, 5E
	Delay electric igniter, see Igniters													
D	Denatured alcohol	3	NA1987	II	3	172, T8	150	202	242	5 L	60 L	60 L	B	
	Depth charges, see Charges, depth													
G	Desensitized explosive, liquid, n.o.s.	3	UN3379	I	3	164	None	201	None	None	Forbidden	Forbidden	D	36
G	Desensitized explosive, solid, n.o.s.	4.1	UN3380	I	4.1	164	None	211	None	None	Forbidden	Forbidden	D	28, 36
	Detonating relays, see Detonators, etc													
	Detonator assemblies, non-electric for blasting	1.1B	UN0360	.....	1.1B	.....	None	62	None	None	Forbidden	Forbidden	05	25
	Detonator assemblies, non-electric, for blasting	1.4B	UN0361	.....	1.4B	103, 148	63(f), 63(g)	62	None	None	Forbidden	75 kg	05	25
	Detonator assemblies, non-electric, for blasting	1.4S	UN0500	.....	1.4S	148, 347	63(f), 63(g)	62	None	None	25 kg	100 kg	01	25
	Detonators, electric, for blasting	1.1B	UN0030	.....	1.1B	148	63(f), 63(g)	62	None	None	Forbidden	Forbidden	05	25
	Detonators, electric, for blasting	1.4B	UN0255	.....	1.4B	103, 148	63(f), 63(g)	62	None	None	Forbidden	75 kg	05	25
	Detonators, electric for blasting	1.4S	UN0456	.....	1.4S	148, 347	63(f), 63(g)	62	None	None	25 kg	100 kg	01	25

Detonators for ammunition	1.1B	UN0073	.....	1.1B	.....	None	62	None	Forbiddn	05	25
Detonators for ammunition	1.2B	UN0364	.....	1.2B	.....	None	62	None	Forbiddn	05	25
Detonators for ammunition	1.4B	UN0365	.....	1.4B	.....	None	62	None	Forbiddn	05	25
Detonators for ammunition	1.4S	UN0366	.....	1.4S	.....	103	62	None	75 kg	05	25
Detonators, non-electric, for blasting	1.1B	UN0029	.....	1.1B	.....	347	62	None	100 kg	01	25
Detonators, non-electric, for blasting	1.4B	UN0267	.....	1.4B	.....	103	62	None	Forbiddn	05	25
Detonators, non-electric, for blasting	1.4S	UN0455	.....	1.4S	.....	63(f), 63(g)	62	None	75 kg	05	25
Detonators, non-electric, for blasting	1.4S	UN0455	.....	1.4S	.....	148, 347	62	None	100 kg	01	25
Deuterium, compressed	2.1	UN1957	.....	2.1	.....	63(g)	302	None	150 kg	E	40
Devices, small, hydrocarbon gas powered or hydrocarbon gas re-	2.1	UN3150	.....	2.1	.....	N89	304	None	15 kg	B	40
fills for small devices with release device											
Di-n-amyamine	3	UN2841	III	3, 6.1		B1, IB3, T4, TP1	203	242	60 L	A	52
Di-n-butyl peroxycarbonate, with more than 52 percent in solution	Forbiddn										
Di-n-butylamine	8	UN2248	II	8, 3		IB2, T7, TP2	202	243	1 L	A	52
2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution	Forbiddn										
Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution	Forbiddn										
2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid	Forbiddn										
Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water	Forbiddn										
1,2-Di-(dimethylamino)ethane	3	UN2372	II	3		IB2, T4, TP1	202	242	5 L	B	
Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate											
Di-(1-hydroxytetrazole) (dry)	Forbiddn										
Di-(1-naphthyl) peroxide	Forbiddn										
a,a'-Di-(nitroxy) methyl ether	Forbiddn										
Di-(beta-nitroxyethyl) ammonium nitrate	Forbiddn										
Diacetone alcohol	3	UN1148	II	3		IB2, T4, TP1	202	242	5 L	B	
Diacetone alcohol peroxides, with more than 57 percent in solution	Forbiddn		III	3		B1, IB3, T2, TP1	203	242	60 L	A	
Diacetone alcohol peroxides, 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											
Diacetyl, see Butanedione											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Diacetyl peroxide, solid, or with more than 25 percent in solution	Forbidden	UN2359	II	3, 6.1, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	21, 40, 52, 100
	Diallylamine	3	UN2360	II	3, 6.1	IB2, N12, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Diallylether	6.1	UN2651	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	4,4'-Diaminodiphenyl methane	Forbidden											
	p-Diazobenzene	Forbidden											
	1,2-Diazidoethane	Forbidden											
	1,1'-Diazoaminonaphthalene	Forbidden											
	Diazaminotetrazole (dry)	Forbidden											
	Diazodinitrophenol (dry)	Forbidden											
	Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass	1.1A	UN0074	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
Diazodiphenylmethane	Forbidden												
Diazonium nitrates (dry)	Forbidden												
Diazonium perchlorates (dry)	Forbidden												
1,3-Diazopropane	Forbidden												
Dibenzyl peroxycarbonate, with more than 87 percent with water	Forbidden												
Dibenzylchlorosilane	8	UN2434	II	8	B2, T10, TP2, TP7, TP13	154	206	242	Forbidden	30 L	C	40, 53, 58	
Diborane	2.3	UN1911		2.3, 2.1	1, N89	None	302	None	Forbidden	Forbidden	D	40, 57	
Diborane mixtures	2.1	NA1911		2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57	
Dibromoacetylene	Forbidden												
1,2-Dibromobutan-3-one	6.1	UN2648	II	6.1	IB2	153	202	243	243	5 L	B	40	
Dibromochloropropane	6.1	UN2872	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	A		
			III	6.1	IB3, T4, TP1	153	203	241	241	60 L	A		
			III	None	T11, TP2	155	203	241	241	100 L	A	25	
Dibromodifluoromethane, R12B2	9	UN1941	III	None									
1,2-Dibromoethane, see Ethylene dibromide													
Dibromomethane	6.1	UN2664	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	A		
Dibutyl ethers	3	UN1749	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	A		
Dibutylaminoethanol	6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	A		
N,N'-Dichlorozodocarbonamide (salts of) (dry)	Forbidden												

D	1,1-Dichloro-1-nitroethane	6.1	UN2650	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25, 40, 74, 40
	3,5-Dichloro-2,4,6-trifluoropyridine	6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	53, 58
	Dichloroacetic acid	8	UN1764	II	8	A3, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	12, 25, 40, 53, 40
	1,3-Dichloroacetone	6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40, 53, 58
	Dichloroacetyl chloride	8	UN1765	II	8	A3, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	
+	<i>Dichloroacetylene</i>	Forbidden											
	Dichloroanilines, liquid	6.1	UN1590	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Dichloroanilines, solid	6.1	UN3442	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
+	o-Dichlorobenzene	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	2,2-Dichlorodiethyl ether	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	
	Dichlorodifluoromethane and difluoroethane azeotropic mixture	2.2	UN2602	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane												
	Dichlorodifluoromethane or Refrigerant gas R 12	2.2	UN1028		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1, 3		None	201	243	Forbidden	Forbidden	B	40
	1,1-Dichloroethane	3	UN2362	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	1,2-Dichloroethane, see Ethylene dichloride												
	<i>Dichloroethyl sulfide</i>	Forbidden											
	1,2-Dichloroethylene	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	
	Dichlorofluoromethane or Refrigerant gas R21	2.2	UN1029		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13
	Dichloroisopropyl ether	6.1	UN2490	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	
	Dichloromethane	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	203	241	60 L	220 L	A	
	Dichloropentanes	3	UN1152	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dichlorophenyl isocyanates	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40
	Dichlorophenyltrichlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
	1,2-Dichloropropane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	
	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25, 40
	<i>Dichloropropene and propylene dichloride mixture, see 1,2-Dichloropropene</i>	3	UN2047	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Dichloropropenes	3	UN2189	III	3	B1, IB3, T2, TP1	150	203	243	60 L	220 L	A	
	Dichlorosilane	2.3	UN2189		2.3, 2.1, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	17, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
I	1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R-114	2.2	UN1958		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	<i>Dichlorovinylchloroarsine</i>	Forbidden											
	<i>Dicycloheptadiene, see Bicyclo [2,2,1] hepta-2,5-diene, stabilized</i>												
	Dicyclohexylamine	8	UN2565	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
	Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	25
	Dicyclopentadiene	3	UN2048	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Didymium nitrate	5.1	UN1465	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Diesel fuel	3	NA1993	III	None	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Diesel fuel	3	UN1202	III	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diethanol nitrosamine dinitrate (dry)</i>	Forbidden											
Diethoxyethane	3	UN2373	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
3,3-Diethoxypropene	3	UN2374	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
Diethyl carbonate	3	UN2366	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
<i>Diethyl cellosolve, see Ethylene glycol diethyl ether</i>													
Diethyl ether or Ethyl ether	3	UN1155	I	3	T11, TP2	150	201	243	1 L	30 L	E	40	
Diethyl ketone	3	UN1156	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
<i>Diethyl peroxydicarbonate, with more than 27 percent in solution</i>	Forbidden												
Diethyl sulfate	6.1	UN1594	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	C		
Diethyl sulfide	3	UN2375	II	3	IB2, T7, TP1, TP13	None	202	243	5 L	60 L	E		
Diethylamine	3	UN1154	II	3, 8	A3, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40, 52	
2-Diethylaminoethanol	8	UN2686	II	8, 3	B2, IB2, T7, TP2	None	202	243	1 L	30 L	A	52	
3-Diethylamino-propylamine	3	UN2684	III	3, 8	B1, IB3, T4, TP1	150	202	242	5 L	60 L	A	52	
N, N-Diethylaniline	6.1	UN2432	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
Diethylbenzene	3	UN2049	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Diethyldichlorosilane	8	UN1767	II	8, 3	A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	Forbidden	C	40, 53, 58	
<i>Diethylene glycol dinitrate</i>	Forbidden												
Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble phlegmatizer, by mass	1.1D	UN0075	.....	1.1D		.....	None	62	None	Forbidden	Forbidden	04	25, 21E
Diethylenetriamine	8	UN2079	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 52	

N,N-Diethylethylenediamine	8	UN2685	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	52
Diethylglycid bromide	Forbiddn											
Diethylthiophosphoryl chloride	8	UN2751	II	8	B2, IB2, T7, TP2	None	212	240	15 kg	50 kg	D	12, 25, 40, 53, 58
<i>Difluorochloroethanes, see Chloro-1,1-difluoroethanes</i>												
1,1-Difluoroethane or Refrigerant gas R 152a	2.1	UN1030		2.1	T50	306	304	314, 315	Forbiddn	150 kg	B	40
1,1-Difluoroethylene or Refrigerant gas R 1132a	2.1	UN1959		2.1		306	304	None	Forbiddn	150 kg	E	40
Difluoromethane or Refrigerant gas R 32	2.1	UN3252		2.1	T50	306	302	314, 315	Forbiddn	150 kg	D	40
Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A7, B2, IB2, N5, N34, T8, TP2	None	202	242	1 L	30 L	A	40, 53, 58
2,3-Dihydroxypropan	3	UN2376	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>1,8-Dihydroxy-2,4,5,7-tetrahydroanthraquinone (chrysanminic acid)</i>	Forbiddn											
<i>Diodoacetylene</i>	Forbiddn											
Diisobutyl ketone	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Diisobutylamine	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	52
Diisobutylene, isomeric compounds	3	UN2050	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Diisocetyl acid phosphate	3	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Diisopropyl ether	8	UN1159	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
Diisopropylamine	3	UN1158	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
<i>Disopropylbenzene hydroperoxide, with more than 72 percent in solution</i>	Forbiddn											
Diketene, stabilized	6.1	UN2521	I	6.1, 3	2, 387, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	25, 26, 27, 40
1,2-Dimethoxyethane	3	UN2252	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,1-Dimethoxyethane	3	UN2377	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B	
Dimethyl carbonate	3	UN1161	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride</i>												
<i>2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water</i>	Forbiddn											
Dimethyl disulfide	3	UN2381	II	3, 6.1	IB2, T7, TP2, TP13, TP39, T50	150	202	242	Forbiddn	Forbiddn	B	40
Dimethyl ether	2.1	UN1033		2.1	T50	306	304	314, 315	Forbiddn	150 kg	B	40
Dimethyl-N-propylamine	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	150	202	243	1 L	5 L	B	40, 52
Dimethyl sulfate	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40, 53, 58
Dimethyl sulfide	3	UN1164	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Dimethyl thiophosphoryl chloride	6.1	UN2267	II	6.1, 8	IB2, T7, TP2	153	202	243	1 L	30 L	B	25, 53, 58
	Dimethylamine, anhydrous	2.1	UN1032	.....	2.1	N87, T50	None	304	314, 315	Forbidden	150 kg	D	40, 52
	Dimethylamine solution	3	UN1160	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
	2-Dimethylaminoacetonitrile	3	UN2378	II	3, 6.1	IB2, T7, TP1	150	202	243	1 L	60 L	A	40, 52
	2-Dimethylaminoethanol	8	UN2051	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	52
	2-Dimethylaminoethyl acrylate, stabilized	6.1	UN3302	II	6.1	387, IB2, T7, TP2	153	202	243	5 L	60 L	D	25
	2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
	N,N-Dimethylaniline	6.1	UN2253	II	6.1	IB1, T7, TP2	153	202	243	5 L	60 L	A	
	2,3-Dimethylbutane	3	UN2457	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
	1, 3-Dimethylbutylamine	3	UN2379	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
	Dimethylcarbamoxy chloride	8	UN2262	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58
	Dimethylcyclohexanes	3	UN2263	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N,N-Dimethylcyclohexylamine	8	UN2264	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40, 52
	Dimethyldichlorosilane	3	UN1162	II	3, 8	B77, T10, TP2, TP7, TP13	None	206	243	Forbidden	Forbidden	B	40
	Dimethyldiethoxysilane	3	UN2380	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Dimethyldioxanes	3	UN2707	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N,N-Dimethylformamide	3	UN2265	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dimethylhexane dihydroperoxide (dry)	Forbidden				B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Dimethylhydrazine, symmetrical	6.1	UN2382	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52, 74
	Dimethylhydrazine, unsymmetrical	6.1	UN1163	I	6.1, 3, 8	2, B7, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 38, 40, 52, 100, 40
	2,2-Dimethylpropane	2.1	UN2044	II	2.1	IB8, IP2, IP4, T3, TP33	306	304	314, 315	Forbidden	150 kg	E	
	Dinitro-o-cresol	6.1	UN1598	II	6.1		153	212	242	25 kg	100 kg	A	
	1,3-Dinitro-5,5-dimethyl hydantoin	Forbidden											
	Dinitro-7,8-dimethylglycoluril (dry)	Forbidden											
	1,3-Dinitro-4,5-dinitrosobenzene	Forbidden											



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage													
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)												
	1,9-Dinitroxy 6,8-tetramine (dry)	Forbidden	UN1165 UN1166 UN2052 UN1698 UN1699	II II III I I	3 3 3 6.1 6.1	IB2, T4, TP1 IB2, T4, TP1 B1, IB3, T2, TP1 T6, TP33, W31 A8, B14, B32, N33, N34, T14, TP2, TP13, TP27, W31	150 150 150 None None	202 202 203 201 201	242 242 242 None 243	5 L 5 L 60 L Forbidden Forbidden	60 L 60 L 220 L Forbidden 30 L	B B A D D	40 40 40 40												
														6.1	UN3450	I	6.1	IB7, IP1, T6, TP33, W31	None	211	242	5 kg Forbidden	50 kg 30 L	D C	40 40, 53, 58
														8	UN1770	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg Forbidden	50 kg	D	40, 53, 58
														4.1	UN2852	I	4.1	162, A2, N41, N84, W31	None	211	None	Forbidden	0.5 kg	D	28, 36
Forbidden	UN2384 UN2710 UN2383 UN1903 UN1903 UN3142 UN1601 UN3253	II III II I II III I III III	3 3 3 8 8 6.1 6.1 6.1 8	3 3 3, 8 8 8 6.1 6.1 6.1 8	IB2, T4, TP1 B1, IB3, T2, TP1 IB2, T7, TP1 A7, B10, T14, TP2, TP27 B2, IB2, T7, TP2 IB3, T4, TP1 A4, T14, TP2, TP27 IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	150 150 150 None 154 154 153 153 None 153 153	202 203 202 201 202 203 211 212 213 213	242 242 243 201 242 241 241 242 242 240	5 L 60 L 1 L 0.5 L 1 L 5 L 30 L 30 L 30 L 5 L 60 L 220 L 5 kg 100 kg 100 kg	60 L 220 L 5 L 2.5 L 30 L 60 L 30 L 60 L 220 L 50 kg 100 kg 200 kg 100 kg	B A B B B A A A A A A A	25, 52 40 40 40 40 40 40 40 40 40 40 52													

G	Dispersant gases, n.o.s. see Refrigerant gases, n.o.s. Divinyl ether, stabilized Dodecylchlorosilane	3 8	UN1167 UN1771	I II	3 8	387, A7, T11, TP2 A7, B2, B6, N34, T10, TP2, TP7, TP13	None None	201 206	243 242	1 L Forbidden	30 L 30 L	E C	25, 40 40, 53, 58
G	Dry ice, see Carbon dioxide, solid Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corro- sive, n.o.s.	8	UN2801	I	8	11, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	
G	Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	II III	8 6.1	11, B2, IB2, T11, TP2, TP27 11, IB3, T7, TP1, TP28	154 154 None	202 203 201	242 241 243	1 L 5 L 1 L	30 L 60 L 30 L	A A A	
G	Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	II III I	6.1 6.1 8	IB2 IB3 IB7, IP1, T6, TP33	153 153 None	202 203 211	243 241 242	5 L 60 L 1 kg	60 L 220 L 25 kg	A A A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	II III I	8 8 6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 A5, IB7, IP1, T6, TP33	154 154 None	212 213 211	240 240 242	15 kg 25 kg 5 kg	50 kg 100 kg 50 kg	A A A	
G	Dynamite, see Explosive, blasting, Type A Electrolyte (acid or alkali) for bat- teries, see Battery fluid, acid or Battery fluid, alkali Elevated temperature liquid, flam- mable, n.o.s., with flash point above 37.8 C, at or above its flash point	3	UN3256	III	3	IB1, T3, TP3, TP29	None	None	247	Forbidden	Forbidden	A	
G	Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten met- als, molten salts, etc.)	9	UN3257	III	9	IB1, T3, TP3, TP29	None	None	247	Forbidden	Forbidden	A	85
G	Elevated temperature solid, n.o.s., at or above 240 C, see §173.247(h)(4) Engine, internal combustion, flam- mable gas powered or Engine, fuel cell, flammable gas powered or Machinery, internal combus- tion, flammable gas powered or Machinery, fuel cell, flammable gas powered	9 2.1	UN3258 UN3529	III .....	9 2.1	135, A200	247 (h)(4) 220	None None	247 220	Forbidden Forbidden	Forbidden No limit	A E	85

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Engine, internal combustion, flam-mable liquid powered or Engine, fuel cell, flammable liquid pow-ered or Machinery, internal com-bustion, flammable liquid pow-ered or Machinery, fuel cell, flam-mable liquid powered	3	UN3528	.....	3	135, A200	220	220	220	No limit	No limit	E	149
	Engine, internal combustion or Ma-chinery, internal combustion	9	UN3530	.....	9	135, A200	220	220	220	No limit	No limit	A	
G	Environmentally hazardous sub-stance, liquid, n.o.s.	9	UN3082	III	9	8, 146, 173, 335, IB3, T4, TP1, TP29	155	203	241	No limit	No limit	A	
G	Environmentally hazardous sub-stance, solid, n.o.s.	9	UN3077	III	9	8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33	155	213	240	No limit	No limit	A	
+	Epibromohydrin	6.1	UN2558	I	6.1, 3	T14, TP2, TP13	None	201	243	Forbidden	Forbidden	D	40
	Epichlorohydrin	6.1	UN2023	II	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	40
	1,2-Epoxy-3-ethoxypropane	3	UN2752	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Esters, n.o.s.	3	UN3272	III	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
	<i>Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc</i>												
D	Ethane	2.1	UN1035		2.1	T75, TP5	306	304	302	Forbidden	150 kg	E	40
	Ethane-Propane mixture, refig-erated liquid	2.1	NA1961		2.1		None	316	314, 315	Forbidden	Forbidden	D	40
	Ethane, refrigerated liquid	2.1	UN1961		2.1	T75, TP5	None	None	315	Forbidden	Forbidden	D	40
	<i>Ethanol amine dinitrate</i>	Forbidden											
	Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol	3	UN3475	II	3	144, 177, IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solu-tions	3	UN1170	II	3	24, IB2, T4, TP1	4b, 150	202	242	5 L	60 L	A	
	Ethanolamine or Ethanolamine so-lutions	8	UN2491	III	3	24, B1, IB3, T2, TP1	4b, 150	203	242	60 L	220 L	A	
	<i>Ether, see Diethyl ether</i>												
	Ethers, n.o.s.	3	UN3271	II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	52.

Ethyl acetate	3	UN1173	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	25, 40
Ethyl acrylate, stabilized	3	UN1917	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl alcohol, see Ethanol												
Ethyl aldehyde, see Acetaldehyde												
Ethyl amyl ketone	3	UN2271	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
N-Ethylbenzyloluidines, solid	6.1	UN3460	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
N-Ethyl-N-benzylaniline	6.1	UN2274	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Ethyl borate	3	UN1176	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl bromide	6.1	UN1891	II	6.1	IB2, T4, TP1	153	202	243	5 L	60 L	B	40, 85
Ethyl bromoacetate	6.1	UN1603	II	6.1, 3	IB2, T7, TP2	None	202	243	Forbidden	Forbidden	D	40
Ethyl butyl ether	3	UN1179	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl butyrate	3	UN1180	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl chloride	2.1	UN1037	II	2.1	B77, N86, T50	None	322	314,	Forbidden	150 kg	B	40
								315				
Ethyl chloroacetate	6.1	UN1181	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	21, 40,
Ethyl chloroformate	6.1	UN1182	I	6.1, 3,	2, B9, B14, B32, N34,	None	227	244	Forbidden	Forbidden	D	53, 58,
				8	T20, TP2, TP13, TP38,							100
					TP45							
Ethyl 2-chloropropionate	3	UN2935	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl chloroformate	8	UN2826	II	8, 6.1,	2, B9, B14, B32, T20,	None	227	244	Forbidden	Forbidden	A	40, 53,
				3	TP2, TP38, TP45							58
Ethyl crotonate	3	UN1862	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
Ethyl ether, see Diethyl ether												
Ethyl fluoride or Refrigerant gas R161	2.1	UN2453	II	2.1		306	304	314,	Forbidden	150 kg	E	40
								315				
Ethyl formate	3	UN1190	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Ethyl hydroperoxide	Forbidden											
Ethyl isobutyrate	3	UN2385	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Ethyl isocyanate	6.1	UN2481	I	6.1, 3	1, B9, B14, B30, T20,	None	226	244	Forbidden	Forbidden	D	40, 52
					TP2, TP13, TP38, TP44							
Ethyl lactate	3	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl mercaptan	3	UN2363	I	3	T11, TP2, TP13	None	201	243	Forbidden	30 L	E	95, 102
Ethyl methacrylate, stabilized	3	UN2277	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25
Ethyl methyl ether	2.1	UN1039	II	2.1		None	201	314,	Forbidden	150 kg	B	40
								315				
Ethyl methyl ketone or Methyl ethyl ketone	3	UN1193	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl nitrite solutions	3	UN1194	I	3, 6.1		None	201	None	Forbidden	Forbidden	E	40, 105
Ethyl orthoformate	3	UN2524	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl oxalate	6.1	UN2525	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Ethyl perchlorate	Forbidden											
Ethyl phosphonothioic dichloride, anhydrous	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20,	None	227	244	Forbidden	Forbidden	D	40
					TP4, TP12, TP13, TP38,							
					TP45							
Ethyl phosphonous dichloride, anhydrous pyrophoric liquid	6.1	NA2845	I	6.1,	2, B9, B14, B32, T20,	None	227	244	Forbidden	Forbidden	D	18
				4.2	TP4, TP12, TP13, TP38,							
					TP45							

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Ethyl phosphorodichloridate	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40
	Ethyl propionate	3	UN1195	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl propyl ether	3	UN2615	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Ethyl silicate, see Tetraethyl silicate												
	Ethylacetylene, stabilized	2.1	UN2452	.....	2.1	387, N88	None	304	314, 315	Forbidden	150 kg	B	25, 40
	Ethylamine	2.1	UN1036	.....	2.1	B77, N87, T50	None	321	314, 315	Forbidden	150 kg	D	40, 52
	Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine	3	UN2270	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52.
	N-Ethylaniline	6.1	UN2272	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	2-Ethylaniline	6.1	UN2273	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	Ethylbenzene	3	UN1175	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N-Ethylbenzyltoluidines liquid	6.1	UN2753	III	6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A	
	2-Ethylbutanol	3	UN2275	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	2-Ethylbutyl acetate	3	UN1177	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	2-Ethylbutylaldehyde	3	UN1178	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethylchloroarsine	6.1	UN1892	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40
	Ethylchlorosilane	4.3	UN1183	I	4.3, 8, 3	A2, A7, N34, T14, TP2, TP7, TP13, W31	None	201	244	Forbidden	1 L	D	21, 40, 49, 53, 58, 100
	Ethylene, acetylene and propylene in mixture, refrigerated liquid with at least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene	2.1	UN3138	I	2.1	T75, TP5	None	304	314, 315	Forbidden	Forbidden	D	40, 57
	Ethylene chlorohydrin	6.1	UN1135	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Ethylene diamine diperchlorate	2.1	UN1962	I	2.1		306	304	302	Forbidden	150 kg	E	40
	Ethylene dibromide	6.1	UN1605	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40





§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Ethyleneimine, stabilized	6.1	UN1185	I	6.1, 3	1, 387, B9, B14, B30, B77, N25, N32, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	25, 40
	<i>Ethylhexaldehyde, see Octyl aldehydes etc</i> 2-Ethylhexyl chloroformate	6.1	UN2748	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 25, 40, 53, 58
	2-Ethylhexylamine	3	UN2276	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40, 52
	Ethylphenyldichlorosilane	8	UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	53, 58
	1-Ethylpiperidine	3	UN2386	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
	N-Ethyloluidines	6.1	UN2754	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Ethyltrichlorosilane	3	UN1196	II	3, 8	A7, N84, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	
	<i>Etiologic agent, see Infectious sub-stances, etc</i> <i>Explosive articles, see Articles, ex-plosive, n.o.s., etc</i> Explosive, blasting, type A	1.1D	UN0081	.....	1.1D	148	None	62	None	Forbidden	Forbidden	04	25, 19E, 21E
	Explosive, blasting, type B	1.1D	UN0082	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E
	Explosive, blasting, type B or Agent blasting, Type B	1.5D	UN0331	.....	1.5D	105, 106, 148	None	62	None	Forbidden	Forbidden	03	25, 19E
	Explosive, blasting, type C	1.1D	UN0083	.....	1.1D	123	None	62	None	Forbidden	Forbidden	04	25
	Explosive, blasting, type D	1.1D	UN0084	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Explosive, blasting, type E	1.1D	UN0241	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E
	Explosive, blasting, type E or Agent blasting, Type E	1.5D	UN0332	.....	1.5D	105, 106, 148	None	62	None	Forbidden	Forbidden	03	25, 19E
	<i>Explosive, forbidden. See § 173.54</i> <i>Explosive substances, see Sub-stances, explosive, n.o.s., etc</i> <i>Explosives, slurry, see Explosive, blasting, type E</i>	Forbidden											

Explosives, water gels, see Explosive, blasting, type E. Extracts, aromatic, liquid Extracts, flavoring, liquid <i>Fabric with animal or vegetable oil, see Fibers or fabrics, etc</i> Ferric arsenate Ferric arsenite Ferric chloride, anhydrous Ferric chloride, solution Ferric nitrate Ferrocerium  Ferrosilicon with 30 percent or more but less than 90 percent silicon  Ferrous arsenate Ferrous chloride, solid Ferrous chloride, solution Ferrous metal borings or Ferrous metal shavings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating Fertilizer ammoniating solution with free ammonia Fibers, animal or Fibers, vegetable burnt, wet or damp Fibers, vegetable, dry Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil Fibers or Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s. <i>Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap</i> Films, nitrocellulose base, gelatine coated (except scrap) Fire extinguisher charges, corrosive liquid	3	UN1169	II	3	149, IB2, T4, TP1, TP8 B1, IB3, T2, TP1	150	202	242	5 L	60 L	B	
	3	UN1197	III	3	149, IB2, T4, TP1, TP8 B1, IB3, T2, TP1	150	203	242	5 L	60 L	B	
	6.1	UN1606	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53, 58
	6.1	UN1607	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53, 58
	8	UN1773	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	8	UN2582	III	8	B15, IB3, T4, TP1	154	203	241	5 L	60 L	A	
	5.1	UN1466	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	4.1	UN1323	II	4.1	59, A19, IB8, IP2, IP4, T3, TP33, W100	151	212	240	15 kg	50 kg	A	13, 147, 148
	4.3	UN1408	III	4.3, 6.1	A1, A19, B6, IB8, IP4, IP7, T1, TP33, W100	151	213	240	25 kg	100 kg	A	13, 40, 52, 53, 85, 103, 148
	6.1	UN1608	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
8	NA1759	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A		
8	NA1760	II	8	B3, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40	
4.2	UN2793	III	4.2	A1, A19, B134, B136, IB8, IP3, IP7, IP21, W100	None	213	241	25 kg	100 kg	A	13, 148	
2.2	UN1043	II	2.2	N87	306	304	314, 315	Forbidden	150 kg	E	40	
4.2	UN1372	III	4.2	A19	151	213	240	Forbidden	Forbidden	A		
4.1	UN3360	III	4.1	137	151	213	240	No Limit	No Limit	A		
4.2	UN1373	III	4.2	137, IB8, IP3, T1, TP33, W31	None	213	241	Forbidden	Forbidden	A		
4.1	UN1353	III	4.1	A1, IB8, IP3	None	213	240	25 kg	100 kg	D		
4.1	UN1324	III	4.1		None	183	None	25 kg	100 kg	D	28	
8	UN1774	II	8	N41	154	202	None	1 L	30 L	A		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
A, W	Fire extinguisher charges, expelling, explosive, see Cartridges, power device Fire extinguishers containing compressed or liquefied gas Firelighters, solid with flammable liquid Fireworks Fireworks Fireworks Fireworks Fireworks First aid kit Fish meal, stabilized or Fish scrap, stabilized	2.2	UN1044	.....	2.2	110	309	None	None	75 kg	150 kg	A	.....	
		4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	52	
		1.1G	UN0333	.....	1.1G	108	None	62	None	Forbidden	Forbidden	03	25	
		1.2G	UN0334	.....	1.2G	108	None	62	None	Forbidden	Forbidden	03	25	
		1.3G	UN0335	.....	1.3G	108	None	62	None	Forbidden	Forbidden	03	25	
		1.4G	UN0336	.....	1.4G	108, 200	None	62	None	Forbidden	75 kg	02	25	
		1.4S	UN0337	.....	1.4S	108	None	62	None	25 kg	100 kg	01	25	
		9	UN3316	.....	9	15	161	161	None	10 kg	10 kg	A	25, 88,	
		9	UN2216	III	None	None	155, B136, IB8, IP3, T1, TP33	155	218	Forbidden	Forbidden	B	122,	
														128
G	Fish meal, unstabilized or Fish scrap, unstabilized Flammable compressed gas, see Flammable, etc Compressed or Liquefied gas, flammable, etc Flammable compressed gas (small receptacles not fitted with a dispersion device, not refillable), see Receptacles, etc Flammable gas in lighters, see Lighters or lighter refills, cigaretttes, containing flammable gas Flammable liquid, toxic, corrosive, n.o.s.	4.2	UN1374	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33, W31, W40	None	212	241	Forbidden	Forbidden	B	18, 25,	
		3	UN3286	I	3, 6.1, 8	T14, TP2, TP13, TP27	None	201	243	Forbidden	2.5 L	E	21, 40,	
				II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	5 L	B	100	
		3	UN2924	I	3, 8	T14, TP2	None	201	243	0.5 L	2.5 L	E	40	
				III	3, 8	IB2, T11, TP2, TP27	150	202	243	1 L	5 L	B	40	
				III	3, 8	B1, IB3, T7, TP1, TP28	150	203	242	5 L	60 L	A	40	
				I	3	T11, TP1, TP27	150	201	243	1 L	30 L	E		
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B		



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
G	Fluoric acid, see Hydrofluoric acid, etc	2.3	UN1045		2.3, 5.1, 8	1, N86	None	302	None	Forbidden	Forbidden	D	40, 89, 90	
	Fluorine, compressed													
	Fluoroacetic acid	6.1	UN2642	I	6.1	IB7, IP1, T6, TP33	None	211	242	1 kg	15 kg	E	53, 58	
	Fluoroanilines	6.1	UN2941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Fluorobenzene	3	UN2387	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Fluoroboric acid	8	UN1775	II	8	A7, B2, B15, IB2, N3, N34, T7, TP2	154	202	242	1 L	30 L	A	53, 58	
	Fluorophosphoric acid anhydrous	8	UN1776	II	8	A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	53, 58	
	Fluorosilicates, n.o.s.	6.1	UN2856	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52	
	Fluorosilicic acid	8	UN1778	II	8	A7, B2, B15, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	53, 58	
	Fluorosulfonic acid	8	UN1777	I	8	A7, A10, B6, B10, N3, N36, T10, TP2	None	201	243	0.5 L	2.5 L	D	40, 53, 58	
	Fluorotoluenes	3	UN2388	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	Forbidden materials. See § 173.21	Forbidden												
	Formaldehyde solutions, flammable	3	UN1198	III	3, 8	176, B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40	
	Formaldehyde solutions (with not less than 10% and less than 25% formaldehyde), see Aviation regulated liquid, n.o.s. or Other regulated substances, liquid, n.o.s.													
	Formaldehyde solutions, with not less than 25 percent formaldehyde	8	UN2209	III	8	IB3, T4, TP1	154	203	241	5 L	60			
Formalin, see Formaldehyde, solutions														
Formic acid with not less than 10% but not more than 85% acid by mass	8	UN3412	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58		
Formic acid with not less than 5% but less than 10% acid by mass	8	UN3412	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40, 53, 58		
Formic acid with more than 85% acid by mass	8	UN1779	II	8, 3	B2, B28, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58		



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	<i>Fumigated lading</i> , see §§ 172.302(g), 173.9 and 176.76(h)												
	Fumigated transport vehicle or freight container see § 173.9												
	Furaiddehydes	6.1	UN1199	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Furan	3	UN2389	I	3	T12, TP2, TP13	None	201	243	1 L	30 L	E	
	Furfuryl alcohol	6.1	UN2874	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	Fururylamine	3	UN2526	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40, 52
	Fuse, detonating, metal clad, see Cord, detonating, metal clad												
	Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad												
	Fuse, igniter tubular metal clad	1.4G	UN0103	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Fuse, non-detonating instantaneous or quickmatch	1.3G	UN0101	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Fuse, safety	1.4S	UN0105	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Fusee (railway or highway)	4.1	NA1325	II	4.1	381	None	184	None	15 kg	50 kg	B	
D	Fusel oil	3	UN1201	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Fuses, tracer, see Tracers for ammunition												
	Fuzes, combination, percussion and time, see Fuzes, detonating (UN0257, UN0367); Fuzes, igniting (UN0317, UN0368)												
	Fuzes, detonating	1.1B	UN0106	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
	Fuzes, detonating	1.2B	UN0107	.....	1.2B	.....	None	62	None	Forbidden	Forbidden	05	25
	Fuzes, detonating	1.4B	UN0257	.....	1.4B	116	None	62	None	Forbidden	75 kg	05	25
	Fuzes, detonating	1.4S	UN0367	.....	1.4S	116, 347	None	62	None	25 kg	100 kg	01	25
	Fuzes, detonating, with protective features	1.1D	UN0408	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25
	Fuzes, detonating, with protective features	1.2D	UN0409	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	03	25
	Fuzes, detonating, with protective features	1.4D	UN0410	.....	1.4D	116	None	62	None	Forbidden	75 kg	02	25
	Fuzes, igniting	1.3G	UN0316	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25

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	1.4G	UN0317	.....	1.4G	.....	None	62	None	Forbiddn	75 kg	02	25
Fuzes, igniting	1.4S	UN0368	.....	1.4S	.....	None	62	None	Forbiddn	100 kg	01	25
Galacisan trinitrate	Forbiddn					None						
Gallium	8	UN2803	III	8	III	None	162	240	20 kg	20 kg	B	25
Gas cartridges, (flammable) without a release device, non-refillable	2.1	UN2037		2.1		306	304	None	1 kg	15 kg	B	40
Gas identification set	2.3	NA9035		2.3		6	194	None	Forbiddn	Forbiddn	D	
Gas oil	3	UN1202	III	3	III	None	203	242	60 L	220 L	A	
Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid)	2.1	UN3312		2.1		None	316	318	Forbiddn	Forbiddn	D	40
Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158		2.2		320	316	318	50 kg	500 kg	D	
Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2	UN3311		2.2		320	316	318	Forbiddn	Forbiddn	D	
Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.1	UN3167		2.1		306	302, 304	None	1 L	5 L	D	
Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3	UN3168		2.3		306	302	None	Forbiddn	1 L	D	
Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	UN3169		2.3		306	302, 304	None	Forbiddn	1 L	D	D
Gasoline, includes gasoline, mixed with ethyl alcohol, with not more than 10% alcohol	3	UN1203	II	3	II	150	202	242	5 L	60 L	E	
Gasoline, casinghead, see Gasoline												
Gelatine, blasting, see Explosive, blasting, type A												
Gelatine dynamites, see Explosive, blasting, type A												
Germane	2.3	UN2192		2.3		None	302	245	Forbiddn	Forbiddn	D	40
Germane, adsorbed	2.3	UN3523	.....	2.3	.....	None	302c	None	Forbiddn	Forbiddn	D	40
Glycerol-1,3-dinitrate	Forbiddn											
Glycerol gluconate trinitrate	Forbiddn											
Glycerol lactate trinitrate	Forbiddn											
Glycerol alpha-monochlorohydrin	6.1	UN2689	III	6.1	III	153	203	241	60 L	220 L	A	
Glyceryl trinitrate, see Nitroglycerin, etc												
Glycidaldehyde	3	UN2622	II	3, 6.1	II	150	202	243	1 L	60 L	A	40
Grenades, hand or rifle, with bursting charge	1.1D	UN0284	.....	1.1D	.....		62	None	Forbiddn	Forbiddn	03	25
Grenades, hand or rifle, with bursting charge	1.2D	UN0285	.....	1.2D	.....		62	None	Forbiddn	Forbiddn	03	25
Grenades, hand or rifle, with bursting charge	1.1F	UN0292	.....	1.1F	.....		62	None	Forbiddn	Forbiddn	03	25
Grenades, hand or rifle, with bursting charge	1.2F	UN0293	.....	1.2F	.....		62	None	Forbiddn	Forbiddn	03	25



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Grenades, illuminating, see Ammunition, illuminating, etc												
	Grenades, practice, hand or rifle	1.4S	UN0110	.....	1.4S	.....		62	None	None	100 kg	01	25
	Grenades, practice, hand or rifle	1.3G	UN0318	.....	1.3G	.....		62	None	None	Forbidden	03	25
	Grenades, practice, hand or rifle	1.2G	UN0372	.....	1.2G	.....		62	None	None	Forbidden	03	25
	Grenades, practice, hand or rifle	1.4G	UN0452	.....	1.4G	.....		62	None	None	75 kg	02	25
	Grenades, smoke, see Ammunition, smoke, etc												
	Guantidine nitrate	5.1	UN1467	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	73
	Guanyl nitrosaminoguanylidene hydrazine (dry)	Forbidden											
	Guanyl nitrosaminoguanylidene hydrazine, wetted with not less than 30 percent water, by mass	1.1A	UN0113	.....	1.1A	111, 117	None	62	None	None	Forbidden	05	25
	Guanyl nitrosaminoguanyltetrazene (dry)	Forbidden											
	Guanyl nitrosaminoguanyltetrazene, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass	1.1A	UN0114	.....	1.1A	111, 117	None	62	None	None	Forbidden	05	25
	Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0028)												
	Gunpowder, granular or as a meal, see Black powder (UN 0027)	4.2	UN2545	I	4.2	W31	None	211	242	Forbidden	Forbidden	D	13, 148
	Halium powder, dry			II	4.2	A19, A20, IB6, IP2, N34, T3, TP33, W31	None	212	241	15 kg	50 kg	D	13, 148
				III	4.2	B135, IB8, IP21, T1, TP33, W31	None	213	241	25 kg	100 kg	D	13, 148

	4.1	UN1326	II	4.1	Ag, A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	E	74
Hafnium powder, wetted with not less than 25 percent water (a present); (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns												
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	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	
Hazardous waste, solid, n.o.s.	9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A	
Heating oil, light	3	UN1202	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Helium, compressed	2.2	UN1046	.....	2.2	.....	306	302	302, 314	75 kg	150 kg	A	85
Helium, refrigerated liquid (cryogenic liquid)	2.2	UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
Hepafluoropropane or Refrigerant gas R 227	2.2	UN3296		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
n-Heptaldehyde	3	UN3056	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Heptanes	3	UN1206	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
n-Heptene	3	UN2278	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Hexachloroacetone	6.1	UN2661	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	B	12, 40
Hexachlorobenzene	6.1	UN2729	III	6.1	B3, IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A	
Hexachlorobutadiene	6.1	UN2279	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Hexachlorocyclopentadiene	6.1	UN2646	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	25, 40
Hexachlorophene	6.1	UN2875	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Hexadecyltrichlorosilane	8	UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
Hexadienes	3	UN2458	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	40
Hexaethyl tetraphosphate and compressed gas mixtures	2.3	UN1612	II	2.3	3	None	334	None	Forbidden	Forbidden	D	
Hexaethyl tetraphosphate, liquid	6.1	UN1611	II	6.1	IB2, N76, T7, TP2	153	202	243	5 L	60 L	E	40
Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	IB8, IP2, IP4, N76	153	212	242	25 kg	100 kg	E	40
Hexafluoroacetone	2.3	UN2420	II	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
Hexafluoroacetone hydrate, liquid	6.1	UN2552	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
Hexafluoroacetone hydrate, solid	6.1	UN3436	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
Hexafluoroethane, or Refrigerant gas R 116	2.2	UN2193	II	2.2	306	306	304	314, 315	75 kg	150 kg	A	
Hexafluorophosphoric acid	8	UN1782	II	8	A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	53, 58
Hexafluoropropylene compressed or Refrigerant gas R 1216	2.2	UN1858		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Hexaldehyde	3	UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

D G  
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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Hexamethylene diisocyanate <i>Hexamethylene triperoxide diamine (dry)</i>	6.1 Forbidden	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	13, 40
	Hexamethylenediamine, solid	8	UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25, 52
	Hexamethylenediamine solution	8	UN1783	II	8	IB2, T7, TP2 IB3, T4, TP1	None	202	242	1 L	30 L	A	52
	Hexamethylenimine	3	UN2493	III	8	IB2, T7, TP1	150	203	241	5 L	60 L	A	52
	Hexamethylenetetramine	4.1	UN1328	III	3, 8	IB2, T7, TP1	151	202	243	1 L	5 L	B	40
	Hexanes	3	UN1208	II	3	A1, IB8, IP3, T1, TP33	150	213	240	25 kg	100 kg	A	
	Hexanitro-3,3'- <i>dihydroxyazobenzene (dry)</i>	Forbidden				IB2, T4, TP2	150	202	242	5 L	60 L	E	
	Hexanitroazoxy benzene	Forbidden											
	<i>N,N'</i> -(hexanitrodiphenyl) ethylene dinitramine (dry)	Forbidden											
	Hexanitrodiphenyl urea	Forbidden											
	2,2',3',4',4',6'-Hexanitrodiphenylamine or Hexanitrodiphenylamine	1.1D	UN0079	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Dipicylamine or Hexyl 2,3',4',4',6'-Hexanitrodiphenylether	Forbidden											
	Hexanitroethane	Forbidden											
	Hexanitrooxanilide	Forbidden											
	Hexanitrosilbene	1.1D	UN0392	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Hexanoic acid, see Corrosive liquids, n.o.s.												
	Hexanols	3	UN2282	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	74
	1-Hexene	3	UN2370	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Hexogen cycloletramethylenetetramine and mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc Hexogen and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc												

Hexogen and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc	1.1D	UN0118	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexogen, see Cyclotrimethylenetrinitramine, etc	1.1D	UN0393	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexolite, or Hexitol dry or wetted with less than 15 percent water, by mass	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
Hexonal	1.1D	UN0393	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexyl, see Hexanitrodiphenylamine	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
Hexyltrichlorosilane	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
High explosives, see individual explosives' entries	8	UN2029	I	8, 3, 6.1	A7, A10, B7, B16, B53	None	201	243	Forbidden	2.5 L	D	40, 52, 125
HMX, see Cyclooctamethylene tetranitramine, etc	6.1	UN3293	III	6.1	IB3, T4, TP1	153	203	241	Forbidden	220 L	A	52
Hydrazine, anhydrous	8	UN3484	I	8, 3, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52, 125
Hydrazine, aqueous solution, with not more than 37 percent hydrazine, by mass	8	UN3484	I	8, 3, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52, 125
Hydrazine aqueous solution, flammable with more than 37% hydrazine, by mass	8	UN2030	I	8, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52
Hydrazine aqueous solution, with more than 37% hydrazine, by mass	8	UN2030	I	8, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52
Hydrazine azide	Forbidden											
Hydrazine chlorate	Forbidden											
Hydrazine dicarbonic acid diazide	Forbidden											
Hydrazine perchlorate	Forbidden											
Hydrazine selenate	Forbidden											
Hydriodic acid, anhydrous, see Hydrogen iodide, anhydrous	8	UN1787	II	8	A3, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	8
Hydriodic acid	8	UN1787	II	8	A3, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	8
Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	53, 58
Hydrobromic acid, with more than 49 percent hydrobromic acid	8	UN1788	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	8
Hydrobromic acid, with not more than 49 percent hydrobromic acid	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	8, 53, 58
	8	UN1788	III	8	A3, B2, B15, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	8
	8	UN1788	III	8	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	8

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Hydrocarbon gas mixture, com-pressed, n.o.s. Hydrocarbon gas mixture, liquefied, n.o.s. Hydrocarbons, liquid, n.o.s.	2.1 2.1 3	UN1964 UN1965 UN3295		2.1 2.1 3		T50 144, T11, TP1, TP8, TP28 144, IB2, T7, TP1, TP8, TP28 144, B1, IB3, T4, TP1, TP29	306	302	314, 315	Forbidden	150 kg	E	40
								306	304	314, 315	Forbidden	150 kg	E	40
								150	201	243	1 L	30 L	E	
	<i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous</i> Hydrochloric acid	8	UN1789		8		154	202	242	1 L	30 L	C	53, 58	
							154	203	241	5 L	60 L	C	8, 53, 58	
							None	195	244	Forbidden	Forbidden	D	40	
D	<i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide, etc</i> Hydrocyanic acid, aqueous solu-tions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide Hydrocyanic acid, aqueous solu-tions with less than 5 percent hy-drogen cyanide <i>Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc</i> Hydrocyanic acid (prussic), unstabilized Hydrofluoric acid and Sulfuric acid mixtures <i>Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous</i> Hydrofluoric acid, with more than 60 percent strength	6.1 6.1 Forbidden 8 8	UN1613 NA1613 UN1786 UN1790		6.1 6.1 8, 6.1 8, 6.1		None	195	243	Forbidden	Forbidden	5 L	D	40
							None	201	243	Forbidden	Forbidden	2.5 L	D	40, 53, 58
							None	201	243	0.5 L	2.5 L	D	12, 25, 40, 53, 58	

Hydrofluoric acid, with not more than 60 percent strength	8	UN1790	II	8, 6.1	A7, B15, IB2, N5, N34, T8, TP2	154	202	243	1 L	30 L	D	12, 25, 40, 53, 58
<i>Hydrofluoroboric acid, see Fluoroboric acid</i>												
<i>Hydrofluorosilicic acid, see Fluorosilicic acid</i>												
Hydrogen and Methane mixtures, compressed	2.1	UN2034		2.1	N89	306	302	302, 314, 315	Forbidden	150 kg	E	40, 57
Hydrogen bromide, anhydrous	2.3	UN1048		2.3, 8	3, B14, N86, N89	None	304	314, 315	Forbidden	Forbidden	D	40
Hydrogen chloride, anhydrous	2.3	UN1050		2.3, 8	3, N86, N89	None	304	None	Forbidden	Forbidden	D	40
Hydrogen chloride, refrigerated liquid	2.3	UN2186		2.3, 8	3, B6	None	None	314, 315	Forbidden	Forbidden	B	40
Hydrogen, compressed	2.1	UN1049		2.1	N89	306	302	302, 314	Forbidden	150 kg	E	40, 57
Hydrogen cyanide, solution in alcohol with not more than 45 percent hydrogen cyanide	6.1	UN3294	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Hydrogen cyanide, stabilized with less than 3 percent water	6.1	UN1051	I	6.1, 3	1, 387, B35, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	25, 40
Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material	6.1	UN1614	I	6.1	5, 387	None	195	None	Forbidden	Forbidden	D	25, 40
Hydrogen fluoride, anhydrous	8	UN1052	I	8.6.1	3, B7, B46, B77, N86, T10, TP2	None	163	244	Forbidden	Forbidden	D	40, 53, 58
Hydrogen in a metal hydride storage system or Hydrogen in a metal hydride storage system contained in equipment or Hydrogen in a metal hydride storage system packed with equipment	2.1	UN3468	.....	2.1	167	None	311	None	Forbidden	100 kg	D	
Hydrogen iodide, anhydrous	2.3	UN2197		2.3, 8	3, B14, N86, N89	None	304	314, 315	Forbidden	Forbidden	D	40
<i>Hydrogen iodide solution, see Hydroiodic acid</i>												
Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid	5.1	UN3149	II	5.1, 8	145, A2, A3, B53, IB2, IP5, T7, TP2, TP6, TP24	None	202	243	1 L	5 L	D	25, 66, 75
Hydrogen peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary)	5.1	UN2014	II	5.1, 8	12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	Forbidden	Forbidden	D	25, 66, 75

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Hydrogen peroxide, aqueous solu-tions with not less than 20 per-cent but not more than 40 per-cent hydrogen peroxide (sta-bilized as necessary)	5.1	UN2014	II	5.1, 8	A2, A3, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	1 L	5 L	D	25, 66, 75
	Hydrogen, peroxide, aqueous solu-tions with not less than 8 percent but less than 20 percent hydro-gen peroxide (stabilized as nec-essary)	5.1	UN2984	III	5.1	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	152	203	241	2.5 L	30 L	B	25, 66, 75
	Hydrogen peroxide, stabilized or Hydrogen peroxide aqueous solu-tions, stabilized with more than 60 percent hydrogen peroxide (cryo-genic liquid)	5.1	UN2015	I	5.1, 8	12, B53, B80, B81, B85, T9, TP2, TP6, TP24, TP37	None	201	243	Forbidden	Forbidden	D	25, 66, 75.
	Hydrogen, refrigerated liquid (cryo-genic liquid)	2.1	UN1966	.....	2.1	T75, TP5	None	316	318, 319	Forbidden	Forbidden	D	40, 57
	Hydrogen selenide, adsorbed	2.3	UN3526	.....	2.3, 2.1	1	None	302c	None	Forbidden	Forbidden	D	40
	Hydrogen selenide, anhydrous	2.3	UN2202	.....	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Hydrogen sulfate, see Sulfuric acid	2.3	UN1053	.....	2.3, 2.1	2, B9, B14, N89	None	304	314, 315	Forbidden	Forbidden	D	40
	Hydrogen sulfide	2.3	UN1740	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	None	212	240	15 kg	50 kg	A	25, 40, 52, 53, 58
	Hydrogendifluoride, solid, n.o.s	8	UN1740	III	8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52, 53, 58
	Hydrogendifluoride solution, n.o.s	8	UN3471	II	8, 6.1	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52.
	Hydrogensulfuric acid, see Fluorosilicic acid	III	8, 6.1	III	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	25, 40, 52.

	1.3C	UN0508	.....	1.3C	.....	None	62	None	Forbiddn	Forbiddn	Forbiddn	04	25
1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass	1.3C	UN0508	.....	1.3C	.....	None							
1-Hydroxybenzotriazole, monohydrate	4.1	UN3474	I	4.1		None	211	None	0.5 kg	0.5 kg	D		28, 36
Hydroxyl amine iodide	Forbiddn												
Hydroxylamine sulfate	8	UN2865	III	8		154	213	240	25 kg	100 kg	A		52, 53, 58
Hypochlorite solutions	8	UN1791	II	8		154	202	242	1 L	30 L	B		26, 53, 58
			III	8		154	203	241	5 L	60 L	B		26, 53, 58
Hypochlorites, inorganic, n.o.s	5.1	UN3212	II	5.1		152	212	240	5 kg	25 kg	D		4, 25, 52, 56, 58, 69, 116, 118
<b>G</b>													
<i>Hyponitrous acid</i>	Forbiddn												
<i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad</i>													
Igniters	1.1G	UN0121	.....	1.1G		None	62	None	Forbiddn	Forbiddn	03		25
Igniters	1.2G	UN0314	.....	1.2G		None	62	None	Forbiddn	Forbiddn	03		25
Igniters	1.3G	UN0315	.....	1.3G		None	62	None	Forbiddn	Forbiddn	02		25
Igniters	1.4G	UN0325	.....	1.4G		None	62	None	Forbiddn	Forbiddn	02		25
Igniters	1.4S	UN0454	.....	1.4S		None	62	None	25 kg	75 kg	01		25
3,3'-Iminodipropylamine	8	UN2269	III	8		154	203	241	5 L	100 kg	A		52
Infectious substances, affecting animals only	6.2	UN2900	.....	6.2		134	196	None	50 mL or 4 L or 4 kg	60 L	B		40
Infectious substances, affecting humans	6.2	UN 2814	.....	6.2		134	196	None	50 mL or 4 L or 4 kg	50 g	B		40
<i>Inflammable, see Flammable</i>													
<i>Initiating explosives (dry)</i>	Forbiddn												
<i>Inositol hexanitrate (dry)</i>	Forbiddn												
Insecticide gases, n.o.s.	2.2	UN1968	.....	2.2		306	304	314, 315	75 kg	150 kg	A		40
Insecticide gases, flammable, n.o.s.	2.1	UN3354	.....	2.1		306	304	314, 315	Forbiddn	150 kg	D		40
Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone A</i>	2.3	UN3355	.....	2.3, 2.1		None	192	245	Forbiddn	Forbiddn	D		40
Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone B</i>	2.3	UN3355	.....	2.3, 2.1		None	302, 305	314, 315	Forbiddn	Forbiddn	D		40
Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone C</i>	2.3	UN3355	.....	2.3, 2.1		None	302, 305	314, 315	Forbiddn	Forbiddn	D		40
Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone D</i>	2.3	UN3355	.....	2.3, 2.1		None	302, 305	314, 315	Forbiddn	Forbiddn	D		40
Insecticide gases, toxic, n.o.s.	2.3	UN1967	.....	2.3		None	193, 334	245	Forbiddn	Forbiddn	D		40
<i>Inulin trinitrate (dry)</i>	Forbiddn												
Iodine	8	UN3495	III	8, 6.1		154	213	240	25 kg	100 kg	B		40, 55
<i>Iodine azide (dry)</i>	Forbiddn												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Iodine monochloride, liquid	8	UN3498	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	D	40, 53, 58, 66, 74, 89, 90
	Iodine monochloride, solid	8	UN1792	II	8	B6, IB8, IP2, IP4, N41, T7, TP2	None	212	240	Forbidden	50 kg	D	40, 53, 58, 66, 74
	Iodine pentafluoride	5.1	UN2495	I	5.1, 6.1, 8	.....	None	205	243	Forbidden	Forbidden	D	25, 40, 52, 53, 58, 66, 90
	2-Iodobutane	3	UN2390	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Iodomethylpropanes	3	UN2391	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Iodopropanes	3	UN2392	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Iodoxy compounds (dry)</i>	Forbidden											
	<i>Iridium nitratopentamine iridium nitrate</i>	Forbidden											
	<i>Iron chloride, see Ferric chloride</i>												
	<i>Iron oxide, spent, or Iron sponge, spent obtained from coal gas purification</i>	4.2	UN1376	III	4.2	B18, B134, IB8, IP21, T1, TP33, W100	None	213	240	Forbidden	Forbidden	E	13, 148
	Iron pentacarbonyl	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B77, T22, TP2, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40
	<i>Iron sesquichloride, see Ferric chloride</i>												
	<i>Irritating material, see Tear gas substances, etc</i>												
	Isobutane <i>see also</i> Petroleum gases, liquefied	2.1	UN1969		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
	Isobutanol or isobutyl alcohol	3	UN1212	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isobutyl acetate	3	UN1213	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isobutyl acrylate, stabilized	3	UN2527	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	Isobutyl alcohol, <i>see</i> Isobutanol												
	Isobutyl aldehyde, <i>see</i> Isobutyraldehyde												
	Isobutyl formate	3	UN2393	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isobutyl isobutyrate	3	UN2528	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage													
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)												
	Isopropyl alcohol, see Isopropanol	3	UN2405	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A													
	Isopropyl butyrate													150	203	242	60 L	220 L	A						
	Isopropyl chloroacetate													None	227	244	Forbidden	Forbidden	B	21, 40, 53, 58, 100					
+	Isopropyl chloroformate	6.1	UN2407	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP44	None	203	242	60 L	220 L	A													
	Isopropyl 2-chloropropionate	3	UN2934	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A													
	Isopropyl isobutyrate	3	UN2406	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B													
	Isopropyl isocyanate	6.1	UN2483	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40												
	Isopropyl mercaptan, see Propanethiols	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	D													
	Isopropyl nitrate													None	202	None	60 L	D							
Isopropyl phosphoric acid, see Isopropyl acid phosphate	None													202	242	5 L	60 L	B							
	Isopropyl propionate	3	UN2409	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B													
	Isopropylamine	3	UN1221	I	3, 8	T11, TP2	None	201	243	0.5 L	2.5 L	E	52												
	Isopropylbenzene	3	UN1918	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A													
	Isopropylcumyl hydroperoxide, with more than 72 percent in solution	Forbidden	UN2907	II	4.1	IB6, IP2, N85	None	212	None	15 kg	50 kg	E	28, 36												
	Isosorbide dinitrate mixture with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate													4.1	UN3251	III	4.1	66, 159, IB8	151	223	240	Forbidden	Forbidden	D	12, 25, 40, 84
	Isosorbide-5-mononitrate																								
D	Isocyanic acid	Forbidden	UN3251	III	4.1	66, 159, IB8	151	223	240	Forbidden	Forbidden	D	12, 25, 40, 84												
	Jet fuel, see Fuel aviation, turbine engine																								
	Jet perforating guns, charged oil well with detonator													1.1D	NA0124	.....	1.1D	55, 56	None	62	None	Forbidden	Forbidden	03	25, 154
D	Jet perforating guns, charged oil well, with detonator	1.4D	NA0494	.....	1.4D	55, 56	None	62	None	Forbidden	Forbidden	02	25, 154												
	Jet perforating guns, charged, oil well, without detonator	1.4D	UN0494	.....	1.4D	55, 114	None	62	None	Forbidden	300 kg	02	25, 154												
	Jet perforating guns, charged oil well without detonator	1.1D	UN0124	.....	1.1D	55	None	62	None	Forbidden	Forbidden	03	25, 154												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Lead picrate (dry) Lead styphnate (dry) Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	Forbidden Forbidden 1.1A	UN0130	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Lead sulfate with more than 3 percent free acid	8	UN1794	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	53, 58
	Lead trinitroresorcinate, see Lead styphnate, etc	9	UN3072	.....	None	182	None	219	None	No limit	No limit	A	122
	Life-saving appliances, not self-inflating containing dangerous goods as equipment	9	UN2890	.....	None	338	None	219	None	No limit	No limit	A	122
	Lighters containing flammable gas	2.1	UN1057	.....	2.1	168	21,308	21,308	None	1 kg	15 kg	B	40
	Lighters, new or empty, purged of all residual fuel and vapors	3	NA1057	II	3	168	21	None	None	Forbidden	Forbidden	B	40
	Lighters, non-pressurized, containing flammable liquid	2.1	UN1057	.....	2.1	169	306	306	None	1 kg	15 kg	B	40
	Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams of flammable gas	1.4S	UN0131	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
G	Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.	2.1	UN3161	.....	2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
G	Lime, unslaked, see Calcium oxide	2.2	UN3163	.....	2.2	T50	306	304	314, 315	75 kg	150 kg	A	40
G	Liquefied gas, flammable, n.o.s.	2.2	UN3157	.....	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	D	40
G I	Liquefied gas, oxidizing, n.o.s.	2.3	UN3308	.....	2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A												

G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3308	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3308	2.3, 8	3, B14	None	304	314, 315	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3308	2.3, 8	4	None	304	314, 315	Forbidden	D	40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3309	2.3, 2.1, 8	1	None	192	245	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3309	2.3, 2.1, 8	2, B9, B14	None	304	314, 315	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3309	2.3, 2.1, 8	3, B14	None	304	314, 315	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3309	2.3, 2.1, 8	4	None	304	314, 315	Forbidden	D	17, 40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3160	2.3, 2.1	1	None	192	245	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3160	2.3, 2.1	2, B9, B14	None	304	314, 315	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3160	2.3, 2.1	3, B14	None	304	314, 315	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3160	2.3, 2.1	4	None	304	314, 315	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3162	2.3	1	None	192	245	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3162	2.3	2, B9, B14	None	304	314, 315	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162	2.3	3, B14	None	304	314, 315	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3162	2.3	4	None	304	314, 315	Forbidden	D	40
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3310	2.3, 5.1, 8	1	None	192	245	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3310	2.3, 5.1, 8	2, B9, B14	None	304	314, 315	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3310	2.3, 5.1, 8	3, B14	None	304	314, 315	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3310	2.3, 5.1, 8	4	None	304	314, 315	Forbidden	D	40, 89, 90
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3307	2.3, 5.1	1	None	192	245	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3307	2.3, 5.1	2, B9, B14	None	304	314, 315	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3307		2.3, 5.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3307		2.3, 5.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gases, <i>non-flammable charged with nitrogen, carbon dioxide or air</i>	2.2	UN1058		2.2		306	304	None	75 kg	150 kg	A	
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s. <i>Liquefied natural gas, see Methane, etc. (UN 1972)</i>												
	Liquefied petroleum gas, see Petroleum gases, liquefied												
	Lithium	4.3	UN1415	I	4.3	A7, A19, IB4, IP1, N45, T9, TP7, TP33, W31	151	211	244	Forbidden	15 kg	D	13, 52, 148
	<i>Lithium acetylide ethylenediamine complex, see Water reactive solid etc</i>												
	Lithium aluminum hydride	4.3	UN1410	I	4.3	A19, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium aluminum hydride, ethereal	4.3	UN1411	I	4.3, 3	A2, A11, N34	None	201	244	Forbidden	1 L	D	13, 40, 148
	Lithium batteries installed in cargo transport unit <i>lithium ion batteries or lithium metal batteries</i>	9	UN3536	.....		389				Forbidden	Forbidden	A	
	Lithium borohydride	4.3	UN1413	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium ferrosilicon	4.3	UN2830	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 40, 85, 103, 148
	Lithium hydride	4.3	UN1414	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium hydride, fused solid	4.3	UN2805	II	4.3	A8, A19, A20, IB4, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
	Lithium hydroxide	8	UN2680	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52, 148
	Lithium hydroxide, solution	8	UN2679	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	29, 52, 30 L

Lithium hypochlorite, dry or Lithium hypochlorite mixture	5.1	UN1471	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	29, 52, 96, 4, 25, 52, 56, 58, 69, 106, 116
<i>Lithium in cartridges, see Lithium</i>												
Lithium ion batteries including lithium ion polymer batteries	9	UN3480	.....	9	388, 422, A54, A100	185	185	185	Forbidden	35 kg	A	
Lithium ion batteries contained in equipment including lithium ion polymer batteries	9	UN3481	.....	9	181, 388, 422, A54	185	185	185	5 kg	35 kg	A	
Lithium ion batteries packed with equipment, including lithium ion polymer batteries	9	UN3481	.....	9	181, 388, 422, A54	185	185	185	5 kg	35 kg	A	
Lithium metal batteries including lithium alloy batteries	9	UN3090	.....	9	388, 422, A54	185	185	185	Forbidden	35 kg	A	
Lithium metal batteries contained in equipment including lithium alloy batteries	9	UN3091	.....	9	181, 388, 422, A54, A101	185	185	185	5 kg	35 kg	A	
Lithium metal batteries packed with equipment including lithium alloy batteries	9	UN3091	.....	9	181, 388, 422, A54	185	185	185	5 kg	35 kg	A	
Lithium nitrate	5.1	UN2722	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Lithium nitride	4.3	UN2806	I	4.3	A19, IB4, IP1, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 66, 75, 148
Lithium peroxide	5.1	UN1472	II	5.1	A9, IB6, IP2, N34, T3, TP33, W100	152	212	None	5 kg	25 kg	C	
Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	A	13, 85, 103, 148
LNG, see Methane etc. (UN 1972)												
London purple	6.1	UN1621	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
LPG, see Petroleum gases, liquefied												
Lye, see Sodium hydroxide, solutions												
Magnesium aluminum phosphide	4.3	UN1419	I	4.3, 6.1	A19, N34, N40, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
Magnesium arsenate	6.1	UN1622	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Other (10B)	Loca-tion (10A)	
														(8A)
	Magnesium bromate	5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Magnesium chlorate	5.1	UN2723	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Magnesium diamide	4.2	UN2004	II	4.2	A8, A19, A20, IB6, T3, TP33, W31	None	212	241	15 kg	50 kg	C	13, 148	
	<i>Magnesium dross, wet or hot</i>	Forbidden												
	Magnesium fluorosilicate	6.1	UN2853	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52	
	Magnesium granules, coated, particle size not less than 149 microns	4.3	UN2950	III	4.3	A1, A19, IB8, IP4, T1, TP33, W100	151	213	240	25 kg	100 kg	A	13, 52, 148	
	Magnesium hydride	4.3	UN2010	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148	
	Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons	4.1	UN1869	III	4.1	A1, B134, IB8, IP21, T1, TP33, W100	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101, 147, 148	
	Magnesium nitrate	5.1	UN1474	III	5.1	332, A1, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58	
	Magnesium perchlorate	5.1	UN1475	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Magnesium peroxide	5.1	UN1476	II	5.1	IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 32, 66, 75, 148	
	Magnesium phosphide	4.3	UN2011	I	4.3, 6.1	A19, N40, W31	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148	
	Magnesium, powder or Magnesium alloys, powder	4.3	UN1418	I	4.3, 4.2	A19, B56, W31	None	211	244	Forbidden	15 kg	A	13, 39, 52, 148	
				II	4.3, 4.2	A19, B56, IB5, IP2, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	A	13, 39, 52, 148	
				III	4.3, 4.2	A19, B56, IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	A	13, 39, 52, 148	
	Magnesium scrap, see Magnesium, etc. (UN 1869)			II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	B	13, 85, 103, 148	
	Magnesium silicide	4.3	UN2624	II	4.3		151	212	241	15 kg	50 kg	B	13, 85, 103, 148	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage			
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
A W	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix-tures, liquid, flammable, toxic, n.o.s.  Mercaptans, liquid, toxic, flam-mable, n.o.s. or Mercaptan mix-tures, liquid, toxic, flammable, n.o.s., flash point not less than 23 degrees C  5-Mercaptoetrazol-1-acetic acid Mercuric arsenate Mercuric chloride Mercuric compounds, see Mercury compounds, etc Mercuric nitrate  Mercuric potassium cyanide  Mercuric sulfocyanate, see Mercury thiocyanate Mercuriol, see Mercury nucleate Mercurous azide Mercurous compounds, see Mer-cury compounds, etc  Mercurous nitrate Mercury Mercury acetate Mercury acetylaldehyde Mercury ammonium chloride Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN1228	II	3, 6.1	IB2, T11, TP2, TP27	None	202	243	Forbidden	60 L	B	40, 95, 102		
		6.1	UN3071	III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	5 L	220 L	A	40, 95, 102		
		6.1	UN3071	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	C	40, 102, 121		
		1.4C	UN0448	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25		
		6.1	UN1623	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1624	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1625	II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	A	52		
		A W	Mercurous nitrate Mercury Mercury acetate Mercury acetylaldehyde Mercury ammonium chloride Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN1627	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				8	UN2809	III	8, 6.1	.....	164	164	35 kg	35 kg	B	40, 97	
6.1	UN1629			III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
6.1	UN1630			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
3	UN2778			I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40		
6.1	UN3012			II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40		
6.1	UN3012			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40		
6.1	UN3012			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40		
6.1	UN3012			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40		
6.1	UN3012			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40		



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Metal catalyst, dry	4.2	UN2881	II	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 N34, T21, TP7, TP33, W31	153	212	242	25 kg	100 kg	B	40
				III	6.1		213	240	100 kg	200 kg	B	40	
				I	4.2		None	187	Forbidden	Forbidden	C	13, 147, 148	
G	Metal catalyst, wetted with a visible excess of liquid Metal hydrides, flammable, n.o.s	4.2	UN1378	II	4.2	A2, A8, IB1, N34, T3, TP33, W31, W40	None	212	None	Forbidden	50 kg	C	13, 147, 148
				II	4.1		212	240	50 kg	E			
				III	4.1		213	240	100 kg	E	13, 52, 148		
G	Metal hydrides, water reactive, n.o.s	4.3	UN1409	I	4.3	A19, N34, N40, W31	None	211	242	Forbidden	15 kg	D	13, 52, 148
				II	4.3		212	242	50 kg	D			
				III	4.2		212	241	50 kg	C	13, 148		
G	Metal powders, self-heating, n.o.s	4.2	UN3189	II	4.2	IB6, IP2, T3, TP33, W31 B135, IB8, IP4, T1, TP33, W31	None	212	241	15 kg	50 kg	C	13, 148
				III	4.2		213	241	25 kg	100 kg	C	13, 148	
				II	4.1		212	240	50 kg	B	13, 74, 147, 148		
G	Metal powders, flammable, n.o.s	4.1	UN3089	II	4.1	IB8, IP2, IP4, T3, TP33, W100	151	212	240	15 kg	100 kg	B	13, 74, 147, 148
				III	4.1		213	240	25 kg	100 kg	B	13, 74, 147, 148	
				II	4.1		212	240	50 kg	B	40		
G	Metal salts of methyl nitramine (dry) Metal salts of organic compounds, flammable, n.o.s	Forbidden 4.1	UN3181	II	4.1	A1, IB8, IP2, IP4, T3, TP33, W31	151	212	240	15 kg	50 kg	B	40
				III	4.1		213	240	25 kg	100 kg	B	40	
				III	4.1		213	240	100 kg	B	40		
G	Metaldehyde Metallic substance, water-reactive, n.o.s	4.1 4.3	UN1332 UN3208	III	4.1	A1, IB8, IP3, T1, TP33 A1, IB8, IP3, T1, TP33 A7, IB4, W31	151	213	240	25 kg	100 kg	B	40
				III	4.1		213	240	25 kg	100 kg	A	13, 40, 148	
				I	4.3		211	242	Forbidden	15 kg	E		

G	Metallic substance, water-reactive, self-heating, n.o.s	4.3	UN3209	II	4.3	A7, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 40, 148	
				III	4.3	A7, IB8, IP21, T1, TP33, W31	151	213	241	25 kg	100 kg	E	13, 40, 148	
				I	4.3, 4.2	A7, W31	None	211	242	Forbidden	15 kg	15 kg	E	13, 40, 148
				II	4.3, 4.2	A7, IB5, IP2, T3, TP33, W31, W40	None	212	242	15 kg	50 kg	E	13, 40, 148	
				III	4.3, 4.2	A7, IB8, IP4, T1, TP33, W31	None	213	242	25 kg	100 kg	E	13, 40, 148	
				II	3, 6.1	45, 387, IB2, T7, TP1, TP13	150	202	243	1 L	60 L	D	25, 40	
				II	8	41, 387, IB2, T7, TP1, TP18, TP30	154	202	242	1 L	30 L	C	25, 40, 53, 58	
				I	6.1, 3	2, 387, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 25, 40	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
				+ D	Methallyl alcohol Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures, etc Methane, compressed or Natural gas, compressed (with high methane content) Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid), with high methane content Methanesulfonyl chloride	2.1	UN1971	II	2.1	306	302	302	Forbidden	150 kg
.....	2.1	None	None					318, 319	Forbidden	Forbidden	D	40		
I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None					227	244	Forbidden	Forbidden	D	40, 53, 58	
II	3, 6.1	IB2, T7, TP2	150					202	242	1 L	60 L	B	40	
II	3	IB2, T7, TP2	150					202	242	1 L	60 L	B	40	
III	3	B1, IB3, T2, TP1	150					203	242	60 L	220 L	A		
III	3	B1, IB3, T2, TP1	150					203	242	60 L	220 L	A		
I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None					226	244	Forbidden	Forbidden	D	40	
II	3	IB2, T4, TP1	150					202	242	5 L	60 L	B	25, 40	
.....	2.1	387, N88, T50	306					304	314, 315	Forbidden	150 kg	B	25, 40	
+ D	4-Methoxy-4-methylpentan-2-one 1-Methoxy-2-propanol Methoxymethyl isocyanate	3	UN2293	II	3	150	202	242	5 L	60 L	B	25, 40		
				.....	2.1	387, N88, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40	
				II	3	387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	C	25	
				II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
				II	3	387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
				II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
				II	3	387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
				II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
				II	3	387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
				II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E		
+ D	Methyl acetate Methyl acetylene and propadiene mixtures, stabilized Methyl acrylate, stabilized Methyl alcohol, see Methanol Methyl allyl chloride Methyl aryl ketone, see Amyl methyl ketone Methyl bromide	2.3	UN1062	II	2.3	3, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	40	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures</i> <i>Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide</i>	6.1	UN1647	I	6.1	2, B9, B14, B32, N65, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
	Methyl bromide and ethylene dibromide mixtures, liquid	6.1	UN2643	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	Methyl bromoacetate	3	UN3371	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	2-Methylbutanal	3	UN2459	I	3	T11, TP2	None	201	243	1 L	30 L	E	
	2-Methyl-1-butene	3	UN2460	II	3	IB2, IP8, T7, TP1	None	202	242	5 L	60 L	E	
	3-Methyl-1-butene	3	UN2561	I	3	T11, TP2	None	201	243	1 L	30 L	E	
	Methyl tert-butyl ether	3	UN2398	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
	Methyl butyrate	3	UN1237	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyl chloride or Refrigerant gas R 40	2.1	UN1063		2.1	N86, T50	306	304	314, 315	5 kg	100 kg	D	40
	<i>Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures</i>												
	Methyl chloride and methylene chloride mixtures	2.1	UN1912		2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	D	40
	Methyl chloroacetate	6.1	UN2295	I	6.1, 3	T14, TP2, TP13	None	201	243	1 L	30 L	D	
	<i>Methyl chloroacetate, see Methyl chloroformate</i>												
	<i>Methyl chloroform, see 1,1,1-Trichloroethane</i>												
	Methyl chloroformate	6.1	UN1238	I	6.1, 3, 8	1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 53, 58, 100, 40
	Methyl chloromethyl ether	6.1	UN1239	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Methyl 2-chloropropionate	3	UN2933	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methyl dichloroacetate	6.1	UN2299	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	





§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Methyl phosphorous dichloride, <i>pyrophoric liquid</i>	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18
	<i>Methyl picric acid (heavy metal salts of)</i>	Forbidden											
	Methyl propionate	3	UN1248	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Methyl propyl ether	3	UN2612	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	
	Methyl propyl ketone	3	UN1249	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Methyl sulfate, see Dimethyl sulfate</i>												
	<i>Methyl sulfide, see Dimethyl sulfide</i>												
	Methyl trichloroacetate	6.1	UN2533	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>Methyl trimethylol methane trinitrate</i>	Forbidden											
	Methyl vinyl ketone, stabilized	6.1	UN1251	I	6.1, 3, 8	1, 387, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	B	21, 25, 40, 100
	Methylal	3	UN1234	II	3	IB2, IP8, T7, TP2	None	202	242	5 L	60 L	E	40, 52
	Methylamine, anhydrous	2.1	UN1061	.....	2.1	N87, T50	306	304	314, 315	Forbidden	150 kg	B	52, 135.
	Methylamine, aqueous solution	3	UN1235	II	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	E	
	<i>Methylamine dimitramine and dry salts thereof</i>	Forbidden											
	<i>Methylamine nitroform</i>	Forbidden											
	<i>Methylamine perchlorate (dry)</i>	Forbidden											
	Methylamyl acetate	3	UN1233	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	N-Methylaniline	6.1	UN2294	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	A	
	alpha-Methylbenzyl alcohol, liquid	6.1	UN2937	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	alpha-Methylbenzyl alcohol, solid	6.1	UN3438	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	3-Methylbutan-2-one	3	UN2397	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40, 52
	N-Methylbutylamine	3	UN2945	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	17, 40
	Methylchlorosilane	2.3	UN2534	II	2.3, 2.1, 8	2, B9, B14, N34	None	226	314, 315	Forbidden	Forbidden	D	
	Methylcyclohexane	3	UN2296	II	3	B1, IB2, T4, TP2	150	202	242	5 L	60 L	B	
	Methylcyclohexanols, flammable	3	UN2617	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclohexanone	3	UN2297	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclopentane	3	UN2298	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Morpholine <i>Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s.</i> Motor fuel anti-knock compounds <i>see Motor fuel anti-knock mix-tures</i> Motor fuel anti-knock mixture, flam-mable Motor fuel anti-knock mixtures	8	UN2054	I	8, 3	T10, TP2	None	201	243	0.5 L	2.5 L	A	
+	Motor spirit, <i>see Gasoline</i> <i>Muratic acid, see Hydrochloric acid</i> Musk xylene, <i>see 5-tert-Butyl-2,4,6-trinitro-m-xylene</i> <i>Naphtha see Petroleum distillates n.o.s.</i>	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	Forbidden	Forbidden	D	25, 40
+	Naphthalene, crude or Naph-thalene, refined <i>Naphthalene diozomide</i> beta-Naphthylamine, solid beta-Naphthylamine solution alpha-Naphthylamine Naphthalene, molten <i>Naphthylamineperchlorate</i> Naphthylthiourea Naphthylurea <i>Natural gases (with high methane content), see Methane, etc. (UN 1971, UN 1972)</i> <i>Neohexane, see Hexanes</i> Neon, compressed	4.1 Forbidden 6.1 6.1 6.1 6.1 4.1 Forbidden 6.1 6.1	UN1334 UN1650 UN3411 UN2077 UN2304 UN1651 UN1652	III II III III III III II II	4.1 6.1 6.1 6.1 4.1 6.1 6.1	A1, B120, IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33 IB2, T7, TP2 IB2, T7, TP2 IB8, IP3, T1, TP33 IB1, T1, TP3 IB8, IP2, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33	151 153 153 153 151 151 153 153	213 212 202 203 213 213 242 242	240 242 243 241 240 241	25 kg 25 kg 5 L 60 L 220 L 100 kg Forbidden	100 kg 60 L 220 L Forbidden 100 kg 100 kg	A A A A A C A A	
	Neon, refrigerated liquid ( <i>cryogenic liquid</i> ) <i>New explosive or explosive device, see §§ 173.51 and 173.56</i> Nickel carbonyl	2.2 2.2 6.1	UN1065 UN1913 UN1259	..... 2.2 I	2.2 2.2 6.1, 3	..... T75, TP5 1	306, 307 320 None	302 316 198	None None None	75 kg 50 kg Forbidden	150 kg 500 kg Forbidden	A D D	40, 78

Nickel cyanide	6.1	UN1653	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
Nickel nitrate	5.1	UN2725	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Nickel nitrite	5.1	UN2726	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Nickel picrate	Forbidden											
Nicotine	6.1	UN1654	II	6.1	IB2	153	202	243	5 L	60 L	A	40
Nicotine compounds, liquid, n.o.s. or Nicotine preparations, liquid, n.o.s.	6.1	UN3144	I	6.1	A4	None	201	243	1 L	30 L	B	40
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	I	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	I	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	B	40
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	40
Nicotine hydrochloride liquid or solution	6.1	UN1656	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine hydrochloride, solid	6.1	UN3444	III	6.1	IB8, IP3, T1, TP33	153	212	242	25 kg	100 kg	A	
Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine sulfate solution	6.1	UN1658	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine sulphate, solid	6.1	UN3445	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Nicotine tartrate	6.1	UN1659	II	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	
Nitrated paper (unstable)	Forbidden											
Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	II	5.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nitrates, inorganic, n.o.s.	5.1	UN1477	III	5.1	58, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Nitrates of diazonium compounds	Forbidden											
Nitrating acid mixtures, spent with more than 50 percent nitric acid	8	UN1826	I	8, 5.1	58, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
Nitrating acid mixtures, spent with not more than 50 percent nitric acid	8	UN1826	II	8	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
Nitrating acid mixtures with more than 50 percent nitric acid	8	UN1796	I	8, 5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Nitrating acid mixtures with not more than 50 percent nitric acid	8	UN1796	II	8	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 53, 58, 66
Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid	8	UN2031	II	8, 5.1	A7, B2, IB2, T8, TP2	None	158	242	Forbidden	30 L	D	40, 53, 58, 66, 74, 89, 90

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Nitric acid <i>other than red fuming, with more than 20 percent and less than 65 percent nitric acid</i>	8	UN2031	II	8	A212, B2, B47, B53, IB2, IP15, T8, TP2	None	158	242	Forbidden	30 L	D	44, 53, 58, 66, 74, 89, 90
	Nitric acid <i>other than red fuming with not more than 20 percent nitric acid</i>	8	UN2031	II	8	B2, B47, B53, IB2, T8, TP2	None	158	242	1 L	30 L	D	53, 58
+	Nitric acid, red fuming	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 53, 58, 66, 74, 89, 90
	Nitric acid <i>other than red fuming, with more than 70 percent nitric acid</i>	8	UN2031	I	8, 5.1	B47, B53, T10, TP2, TP12, TP13	None	158	243	Forbidden	2.5 L	D	44, 53, 58, 66, 88, 90, 110, 111
	Nitric oxide, compressed	2.3	UN1660		2.3, 5.1, 8	1, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
	Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures	2.3	UN1975		2.3, 5.1, 8	1, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
G	Nitrites, flammable, toxic, n.o.s.	3	UN3273	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40, 52
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40, 52
G	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	II	5.1	148, IB1, T4, TP1	152	202	242	1 L	5 L	B	46, 56, 58, 133
				III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	B	46, 56, 58, 133
G	Nitrites, inorganic, n.o.s.	5.1	UN2627	II	5.1	33, IB8, IP2, IP4, T3, TP33	None	212	None	5 kg	25 kg	A	46, 56, 58, 13
G	Nitrites, liquid, toxic, n.o.s.	6.1	UN3276	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	52
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	52
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	52
G	Nitrites, solid, toxic, n.o.s.	6.1	UN3439	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	52
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	52
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52

G	Nitriles, toxic, flammable, n.o.s.	6.1	UN3275	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
	3-Nitro-4-chlorobenzotrifluoride	6.1	UN2307	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 52
	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	Forbidden		II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Nitro isobutane triol trinitrate	Forbidden											
	N-Nitro-N-methylglycolamide nitrate	Forbidden											
	2-Nitro-2-methylpropanol nitrate	Forbidden											
	Nitro urea	1.1D	UN0147	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
+	N-Nitroaniline	Forbidden											
	Nitroanilines (o-, m-, p-)	6.1	UN1661	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitroanisole, liquid	6.1	UN2730	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitroanisoles, solid	6.1	UN3458	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
+	Nitrobenzene	6.1	UN1662	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	m-Nitrobenzene diazonium perchlorate	Forbidden											
	Nitrobenzenesulfonic acid	8	UN2305	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	A	53, 58
	Nitrobenzol, see Nitrobenzene												
	5-Nitrobenzotriazol	1.1D	UN0385	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrobenzotrifluorides, liquid	6.1	UN2306	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Nitrobenzotrifluorides, solid	6.1	UN3431	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Nitrobromobenzenes, liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitrobromobenzenes, solid	6.1	UN3459	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass	1.1D	UN0340	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 27E
	Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass mixture with or without plasticizer, with or without pigment	4.1	UN2557	II	4.1	44, W31	151	212	240	1 kg	15 kg	D	28, 36
	Nitrocellulose membranes filters, with not more than 12.6% nitrogen, by dry mass	4.1	UN3270	II	4.1	43, A1	151	212	240	1 kg	15 kg	D	
	Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	1.3C	UN0343	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrocellulose, solution, flammable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose	3	UN2059	I	3	198, T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E	
	Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass	1.1D	UN0341	.....	1.1D	.....	None	202	242	5 L	60 L	B	25, 27E
				III	3	198, IB2, T4, TP1, TP8	150	203	242	60 L	220 L	A	
				.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Nitrocellulose, wetted with not less than 25 percent alcohol, by mass	1.3C	UN0342	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrocellulose with alcohol, by mass	4.1	UN2556	II	4.1	W31	151	212	None	None	1 kg	D	12, 25, 28, 36
	Nitrocellulose with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass	4.1	UN2555	II	4.1	W31	151	212	None	None	15 kg	E	28, 36
	Nitrocellulose with water with not less than 25 percent water by mass												
	Nitrochlorobenzene see Chloronitrobenzenes etc												
	Nitroresols, liquid	6.1	UN3434	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitroresols, solid	6.1	UN2446	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitroethane	3	UN2842	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Nitroethyl nitrate	Forbidden											
	Nitroethylene polymer	Forbidden											
	Nitrogen, compressed	2.2	UN1066		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
	Nitrogen dioxide, see Dinitrogen tetroxide												
	Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc												
	Nitrogen peroxide, see Dinitrogen tetroxide												
	Nitrogen, refrigerated liquid cryogenic liquid	2.2	UN1977		2.2	345, 346, T75, TP5	320	316	318	50 kg	500 kg	D	
	Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures												
	Nitrogen tetroxide, see Dinitrogen tetroxide												
	Nitrogen trichloride	Forbidden											
	Nitrogen trifluoride	2.2	UN2451		2.2, 5.1		None	302	None	75 kg	150 kg	D	40
	Nitrogen triiodide	Forbidden											
	Nitrogen trioxide monoamine	Forbidden											

	2.3	UN2421	2.3, 5.1, 8	1	336	245	Forbidden	Forbidden	D	40, 89, 90
Nitrogen trioxide	1.1D	UN0143	.....	125	62	None	Forbidden	Forbidden	04	25, 21E
Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass	Forbidden									
Nitroglycerin, liquid, not desensitized	3	UN3343	3	129	214	None	Forbidden	Forbidden	D	
Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass	3	UN3357	II 3	142	202	243	5 L	60 L	E	
Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30% nitroglycerin, by mass	4.1	UN3319	II 4.1	118	None	None	Forbidden	0.5 kg	E	
Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass	3	UN3064	II 3	N8	202	None	Forbidden	5 L	E	
Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin	1.1D	UN0144	.....	.....	62	None	Forbidden	Forbidden	04	25, 21E
Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin	3	UN1204	II 3	IB2, N34	202	None	5 L	60 L	B	
Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin	Forbidden									
Nitroguanidine nitrate	1.1D	UN0282	.....	.....	62	None	Forbidden	Forbidden	04	25
Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass	4.1	UN1336	I 4.1	23, A8, A19, A20, N41, W31	211	None	1 kg	15 kg	E	28, 36
Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass	8	UN1798	I 8	B10, N41, T10, TP2, TP13	201	243	Forbidden	2.5 L	D	40, 53, 58, 66, 74, 89, 90
1-Nitrohydantoin										
Nitrohydrochloric acid										
Nitromannite (dry)	Forbidden									
Nitromannite, wetted, see Mannitol hexantrate, etc	3	UN1261	II 3		202	None	Forbidden	60 L	A	
Nitromethane										
Nitromuriatic acid, see Nitrohydrochloric acid										
Nitronaphthalene	4.1	UN2538	III 4.1	A1, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	
Nitrophenols (o-; m-; p-)	6.1	UN1663	III 6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>m</i> -Nitrophenyldinitro methane	Forbidden 4.1	UN3376	I	4.1	162, A8, A19, A20, N41, W31	None	211	None	Forbidden	15 kg	E	28, 36
	4-Nitrophenylhydrazine, with not less than 30 percent water, by mass												
	Nitropropanes	3	UN2608	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	34
	<i>p</i> -Nitrosodimethylaniline	4.2	UN1369	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	D	
	Nitrostarch, dry or wetted with less than 20 percent water, by mass	1.1D	UN0146	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrostarch, wetted with not less than 20 percent water, by mass	4.1	UN1337	I	4.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	D	28, 36
	Nitrosugars (dry)	Forbidden											
	Nitrosyl chloride	2.3	UN1069		2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitrosylsulfuric acid, liquid	8	UN2308	II	8	A3, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	D	40, 53, 58, 66, 74, 89, 90
	Nitrosylsulphuric acid, solid	8	UN3456	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 53, 58, 66, 74, 89, 90
	Nitrotoluenes, liquid	6.1	UN1664	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitrotoluenes, solid	6.1	UN3446	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitrotoluidines (mono)	6.1	UN2660	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitrotriazolone or NTO	1.1D	UN0490	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrous oxide	2.2	UN1070	.....	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40
	Nitrous oxide, refrigerated liquid	2.2	UN2201		2.2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitroxylenes, liquid	6.1	UN1665	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitroxylenes, solid	6.1	UN3447	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitroxy/ol, see Nitroxylenes												
	Nonanes	3	UN1920	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organic peroxide type C, liquid, temperature controlled	5.2	UN3113	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, solid	5.2	UN3104	.....	5.2	.....	152	225	None	5 kg	10 kg	D	12, 25, 52, 53
G	Organic peroxide type C, solid, temperature controlled	5.2	UN3114	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, liquid	5.2	UN3105	.....	5.2	.....	152	225	None	5 L	10 L	D	12, 25, 52, 53
G	Organic peroxide type D, liquid, temperature controlled	5.2	UN3115	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, solid	5.2	UN3106	.....	5.2	.....	152	225	None	5 kg	10 kg	D	12, 25, 52, 53
G	Organic peroxide type D, solid, temperature controlled	5.2	UN3116	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, liquid	5.2	UN3107	.....	5.2	A61	152	225	None	10 L	25 L	D	12, 25, 52, 53
G	Organic peroxide type E, liquid, temperature controlled	5.2	UN3117	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, solid	5.2	UN3108	.....	5.2	.....	152	225	None	10 kg	25 kg	D	12, 25, 52, 53
G	Organic peroxide type E, solid, temperature controlled	5.2	UN3118	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type F, liquid	5.2	UN3109	.....	5.2	A61, IP5	152	225	225	10 L	25 L	D	12, 25, 52, 53
G	Organic peroxide type F, liquid, temperature controlled	5.2	UN3119	.....	5.2	IP5	None	225	225	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type F, solid	5.2	UN3110	.....	5.2	TP33	152	225	225	10 kg	25 kg	D	12, 25, 52, 53
G	Organic peroxide type F, solid, temperature controlled	5.2	UN3120	.....	5.2	TP33	None	225	225	Forbidden	Forbidden	D	2, 25, 52, 53
D	Organic phosphate, mixed with phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	2.3	NA1955	.....	2.3	3	None	334	None	Forbidden	Forbidden	D	2, 25, 52, 53, 40
	Organic pigments, self-heating	4.2	UN3313	II III	4.2 4.2	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	None None	212 213	241 241	15 kg 25 kg	50 kg 100 kg	C C	

G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3280	I	6.1	5, T14, TP2, TP13, TP27	None	201	242	1 L	30 L	B	
				II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
				I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
				I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
				I	6.1	T14, TP2, TP13, TP27	None	201	242	1 L	30 L	B	40
G	Organometallic compound, liquid, toxic, n.o.s.	6.1	UN3282	II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
G	Organometallic compound, solid, toxic, n.o.s.	6.1	UN3467	II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
				I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	13, 78, 148
G	Organometallic substance, liquid, pyrophoric	4.2	UN3392	I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	13, 52, 78, 148
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.2	UN3394	I	4.2, 4.3	B11, T21, TP2, TP7, TP36, TP47	None	181	244	Forbidden	Forbidden	D	13, 40, 52, 148
G	Organometallic substance, liquid, water-reactive	4.3	UN3398	I	4.3	T13, TP2, TP7, TP36, TP47, W31	None	201	244	Forbidden	1 L	D	13, 40, 52, 148
				II	4.3	IB1, IP2, T7, TP2, TP7, TP36, TP47, W31	None	202	243	1 L	5 L	D	13, 40, 52, 148
				III	4.3	IB2, IP4, T7, TP2, TP7, TP36, TP47, W31	None	203	242	5 L	60 L	E	13, 40, 52, 148
				I	4.3, 3	T13, TP2, TP7, TP36, TP47, W31	None	201	244	Forbidden	1 L	D	13, 40, 52, 148
G	Organometallic substance, liquid, water-reactive, flammable	4.3	UN3399	II	4.3, 3	IB1, IP2, T7, TP2, TP7, TP36, TP47, W31	None	202	243	1 L	5 L	D	13, 40, 52, 148

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organometallic substance, solid, pyrophoric	4.2	UN3391	III	4.3, 3	IB2, IP4, T7, TP2, TP7, TP36, TP47, W31	None	203	242	5 L	60 L	E	13, 40, 52, 148
G	Organometallic substance, solid, pyrophoric, water-reactive	4.2	UN3393	I	4.2	T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	13, 148
G	Organometallic substance, solid, self-heating	4.2	UN3400	II	4.3	B11, T21, TP7, TP33, TP36, TP47	None	187	244	Forbidden	Forbidden	D	13, 52, 148
G	Organometallic substance, solid, water-reactive	4.3	UN3395	III	4.2	IB8, T1, TP33, TP36	None	213	242	25 kg	100 kg	C	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive, flammable	4.3	UN3396	I	4.3, 4.1	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
G				II	4.3, 4.1	IB4, T3, TP33, TP36, TP47, W31	151	212	242	15 kg	50 kg	E	13, 40, 52, 148
G				III	4.3, 4.1	IB6, T1, TP33, TP36, TP47, W31	151	213	241	25 kg	100 kg	E	13, 40, 52, 148
G				I	4.3, 4.2	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
G				II	4.3, 4.2	IB4, T3, TP33, TP36, TP47, W31	None	212	242	15 kg	50 kg	E	13, 40, 52, 148
G				III	4.3, 4.2	IB6, T1, TP33, TP36, TP47, W31	None	213	241	25 kg	100 kg	E	13, 40, 52, 148
G				I	4.3, 4.2	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
G				II	4.3, 4.2	IB4, T3, TP33, TP36, TP47, W31	None	212	242	15 kg	50 kg	E	13, 40, 52, 148
G				III	4.3, 4.2	IB6, T1, TP33, TP36, TP47, W31	None	213	241	25 kg	100 kg	E	13, 40, 52, 148
G	Organophosphorus compound, toxic, flammable, n.o.s.	6.1	UN3279	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Organophosphorus compound, liquid, toxic, n.o.s.	6.1	UN3278	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
G	Organophosphorus compound, solid, toxic, n.o.s.	6.1	UN3464	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G				I	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G				II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	40
G				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40

Organophosphorus pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2784	III	I	6.1 3, 6.1	IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	153 None	213 201	240 243	100 kg Forbidden	200 kg	A	40
											30 L	B	
Organophosphorus pesticides, liquid, toxic	6.1	UN3018	II	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
											30 L	B	
Organophosphorus pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3017	III	I	6.1, 3	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
											60 L	B	
											220 L	A	40
											30 L	B	40
Organophosphorus pesticides, solid, toxic	6.1	UN2783	II	II	6.1, 3	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
											220 L	A	40
Organotin compounds, liquid, n.o.s	6.1	UN2788	III	I	6.1, 3	B1, IB3, N76, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
											50 kg	A	40
Organotin compounds, solid, n.o.s.	6.1	UN3146	III	II	6.1	IB8, IP2, IP4, N77, T3, TP33	153	212	242	25 kg	100 kg	A	40
											200 kg	A	40
Organotin pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2787	III	I	3, 6.1	N33, N34, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
											60 L	A	40
											220 L	A	40
											50 kg	B	40
Organotin pesticides, liquid, toxic	6.1	UN3020	II	II	6.1	A5, IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	None	211	242	5 kg	220 L	A	40
											100 kg	A	40
Organotin pesticides, liquid, toxic, flash point not less than 23 degrees C	6.1	UN3019	III	I	6.1, 3	IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	153	213	240	100 kg	200 kg	A	40
											30 L	B	40
Organotin pesticides, liquid, toxic	6.1	UN3020	II	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
											30 L	B	40
Organotin pesticides, solid, toxic	6.1	UN2786	III	I	6.1, 3	T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
											60 L	B	40
											220 L	A	40
											50 kg	A	40
Organotin pesticides, solid, toxic	6.1	UN2786	III	II	6.1, 3	B1, IB3, T7, TP2, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	153	203	242	60 L	220 L	A	40
											5 kg	A	40
											100 kg	A	40
											25 kg	A	40
Organotin pesticides, solid, toxic	6.1	UN2786	III	II	6.1	IB8, IP3, T1, TP33 IB8, IP3, T1, TP33	153	213	242	25 kg	200 kg	A	40
											100 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Ortho</i> nitroaniline, see Nitroanilines etc	6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34, T6, TP33, W31	None	211	242	5 kg	50 kg	B	40
D G	Osmium tetroxide	9	NA3082	III	9	A189, IB3, T2, TP1	155	203	241	No limit	No limit	A	
D G	Other regulated substances, liquid, n.o.s	9	NA3077	III	9	384, B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A	
G	Oxidizing liquid, corrosive, n.o.s	5.1	UN3098	I	5.1, 8	62, IB1	None	201	244	Forbidden	2.5 L	D	13, 56, 58, 138
				II	5.1, 8	62, IB2	None	202	243	1 L	5 L	B	13, 56, 58, 138
				III	5.1, 8	62, 127, A2	152	203	242	2.5 L	30 L	B	13, 56, 58, 138
G	Oxidizing liquid, n.o.s	5.1	UN3139	I	5.1	62, 127, A2	None	201	243	Forbidden	2.5 L	D	56, 58, 138
				II	5.1	62, 127, 148, A2, IB2	152	202	242	1 L	5 L	B	56, 58, 138
				III	5.1	62, 127, 148, A2, IB2	152	203	241	2.5 L	30 L	B	56, 58, 138
G	Oxidizing liquid, toxic, n.o.s	5.1	UN3099	I	5.1, 6.1	62	None	201	244	Forbidden	2.5 L	D	56, 58, 138
				II	5.1, 6.1	62, IB1	152	202	243	1 L	5 L	B	56, 58, 95, 138
				III	5.1, 6.1	62, IB2	152	203	242	2.5 L	30 L	B	56, 58, 95, 138
G	Oxidizing solid, corrosive, n.o.s	5.1	UN3085	I	5.1, 8	62	None	211	242	1 kg	15 kg	D	13, 56, 58, 138
				II	5.1, 8	62, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	B	13, 34, 56, 58, 138
				III	5.1, 8	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	13, 34, 56, 58, 138
G	Oxidizing solid, flammable, n.o.s	5.1	UN3137	I	5.1, 4.1	62	None	214	214	Forbidden	Forbidden		13, 147, 148

G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	62, IB5, IP1	None	211	242	1 kg	15 kg	D	56, 58, 106, 138
				II	5.1	62, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	B	56, 58, 106, 138
				III	5.1	62, 148, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	56, 58, 106, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	I	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		
				II	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		
G	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1	62	None	211	242	1 kg	15 kg	D	56, 58, 138
				II	5.1, 6.1	62, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	B	56, 58, 138
				III	5.1, 6.1	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	56, 58, 138
G	Oxidizing solid, water reactive, n.o.s.	5.1	UN3121	.....	5.1, 4.3	62	None	214	214	Forbidden	Forbidden		13, 148
	Oxygen, compressed	2.2	UN1072		2.2, 5.1	110, A14	306	302	314, 315	75 kg	150 kg	A	
	Oxygen difluoride, compressed	2.3	UN2190		2.3, 5.1, 8	1, N86	None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90
	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc)	5.1	UN3356	.....	5.1	.....	None	168	None	Forbidden	25 kg	D	56, 58, 69, 106
+	Oxygen generator, chemical, spent	9	NA3356	III	9	61	None	213	None	Forbidden	Forbidden	A	
	Oxygen, refrigerated liquid (cryogenic liquid)	2.2	UN1073		2.2, 5.1	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base	3	UN1263	I	3	367, T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
				II	3	149, 367 B52, B131, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
				III	3	367, B1, B52, B131, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
				II	8	367, B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40
				III	8	367, B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40
				II	8, 3	367, IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40
	Paint or Paint related material	8	UN3066	II	8								
	Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler, and liquid lacquer base)	8	UN3470	II	8, 3								



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage										
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)									
(1)	Paint, flammable, corrosive, (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3	UN3469	I	3, 8	367, T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40									
														II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	243	1 L	5 L	B	40
I	3	367, T11, TP1, TP8, TP27	150	243	1 L	30 L	E															
									8	Paint related material including paint thinning, drying, removing, or reducing compound	8	UN3470	II	8, 3	149, 367, B52, B131, IB2, T4, TP1, TP8, TP28	150	173	5 L	60 L	B	40	
III	3	367, B1, B52, B131, IB3, T2, TP1, TP29	150	173	60 L	220 L	A															
																						II
3	Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3	UN3469	I	3, 8	367, T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40									
														II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	243	1 L	5 L	B	40
III	4.2	UN1379	None	213	241	Forbidden	Forbidden	A														
										4.1	Paper, unsaturated oil treated in-completely dried (including carbon paper)	4.1	UN2213	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	25 kg	100 kg	A	40
3	UN1264	III	3	B1, IB3, T2, TP1	150	203	60 L	220 L	A													
										2.3	Paris green, solid, see Copper acetoarsenite	2.3	NA1967	3	None	334	245	Forbidden	Forbidden	E	40	
4.2	PCB, see Polychlorinated biphenyls	4.2	UN1380	I	4.2, 6.1	1	None	205	245													Forbidden
										+	Pentaborane	4.2	UN1380	I	4.2, 6.1	1	None	205	245	Forbidden	Forbidden	

Pentachloroethane	6.1	UN1669	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Pentachlorophenol	6.1	UN3155	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Pentaerythrite tetranitrate (dry)	Forbidden											
Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s. or PETN mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass	4.1	UN3344	II	4.1	118, N85	None	214	None	Forbidden	Forbidden	E	
Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass	1.1D	UN0411	.....	1.1D	120	None	62	None	Forbidden	Forbidden	04	25
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	.....	1.1D	121	None	62	None	Forbidden	Forbidden	04	25
Pentaerythrite tetranitrate, etc												
Pentafluoroethane or Refrigerant gas R 125	2.2	UN3220	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Pentamethyheptane	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Pentane-2,4-dione	3	UN2310	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
Pentanes	3	UN1265	I	3	T11, TP2	150	201	243	1 L	30 L	E	
			II	3	IB2, IP8, T4, TP1	150	202	242	5 L	60 L	E	
Pentanitriline (dry)	Forbidden											
Pentanols	3	UN1105	II	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
1-Pentene (n-amyene)	3	UN1108	III	3	B1, IB3, IB3, T2, TP1	150	203	242	60 L	220 L	A	
1-Pentol	8	UN2705	I	3	T11, TP2	150	201	243	1 L	30 L	E	
Pentolite, dry or wetted with less than 15 percent water, by mass	1.1D	UN0151	.....	1.1D	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	26, 27
Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized					.....	None	62	None	Forbidden	Forbidden	04	25
Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	II	5.1	IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Perchlorates, inorganic, n.o.s.	5.1	UN1481	III	5.1	IB2, T4, TP1	152	202	241	2.5 L	30 L	B	56, 58, 69, 133
Perchloric acid, with more than 72 percent acid by mass	Forbidden				IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
					IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass	5.1	UN1873	I	5.1, 8	A2, N41, T10, TP1	None	201	243	Forbidden	2.5 L	D	53, 58, 66
	Perchloric acid with not more than 50 percent acid by mass	8	UN1802	II	8, 5.1	IB2, N41, T7, TP2	None	202	243	Forbidden	30 L	C	53, 58, 66
	Perchloroethylene, see Tetrachloroethylene Perchloromethyl mercaptan	6.1	UN1670	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	Forbidden	D
	Perchloryl fluoride	2.3	UN3083		2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Percussion caps, see Primers, cap type Perfluor-2-butene, see Octafluorobut-2-ene Perfluoro(ethyl vinyl ether)	2.1	UN3154		2.1		306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
G	Perfluoro(methyl vinyl ether)	2.1	UN3153		2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfumery products with flammable solvents	3	UN1266	II	3	149, IB2, T4, TP1, TP8	150	202	242	Forbidden	60 L	B	
	Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	56, 58, 133, 138
G	Permanganates, inorganic, n.o.s.	5.1	UN1482	II	5.1	26, 353, A30, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
	Permeation devices for calibrating air quality monitoring equipment See § 173.175 Peroxides, inorganic, n.o.s.	5.1	UN1483	III	5.1	26, 353, A30, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	D	56, 58, 13
		5.1	UN1483	II	5.1	A7, A20, IB6, IP2, N34, T3, TP33, W100	None	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
I	Petroleum, sour crude oil, flammable, toxic	3	UN3494	I	3, 6.1	343, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40
				II	3, 6.1	343, IB2, T7, TP2	150	202	243	1 L	60 L	D	40
				III	3, 6.1	343, IB3, T4, TP1	150	203	242	60 L	220 L	C	40
+	Phenacyl bromide	6.1	UN2645	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
	Phenethidines	6.1	UN2311	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Phenol, molten	6.1	UN2312	II	6.1	B14, T7, TP3	None	202	243	Forbidden	Forbidden	B	40
+	Phenol, solid	6.1	UN1671	II	6.1	IB8, IP2, IP4, N78, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Phenol solutions	6.1	UN2821	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
				III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Phenolsulfonic acid, liquid	8	UN1803	II	8	B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	14, 53, 58
	Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C	3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3347	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Phenoxyacetic acid derivative pesticide, solid, toxic	6.1	UN3345	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Phenyl chloroformate	6.1	UN2746	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 25, 40, 53, 58

Phenyl isocyanate	6.1	UN2487	I	6.1, 3	2, B9, B14, B32, B77, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Phenyl mercaptan	6.1	UN2337	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
Phenyl phosphorus dichloride	8	UN2798	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40, 53, 58
Phenyl phosphorus thiodichloride	8	UN2799	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40, 53, 58
Phenyl urea pesticides, liquid, toxic	6.1	UN3002	I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	40
			II	6.1	T7, TP2	None	202	243	5 L	60 L	B	40
			III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
Phenylacetone, liquid	6.1	UN2470	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
Phenylacetyl chloride	8	UN2577	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40, 53, 58
Phenylcarbamylamine chloride	6.1	UN1672	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
<i>m</i> -Phenylene diaminedipchlorate (div)	Forbidden											
Phenylenediamines (o-; m-; p-)	6.1	UN1673	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Phenyhydrazine	6.1	UN2572	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Phenylmercuric acetate	6.1	UN1674	I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Phenylmercuric compounds, n.o.s.	6.1	UN2026	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Phenylmercuric hydroxide	6.1	UN1894	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Phenylmercuric nitrate	6.1	UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Phenyltrichlorosilane	8	UN1804	II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
Phosgene	2.3	UN1076	.....	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
9-Phosphabicyclononanes	4.2	UN2940	II	4.2	A19, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	A	
Cyclooctadiene phosphines	2.3	UN2199		2.3,	1	None	192	245	Forbidden	Forbidden	D	40
Phosphine, adsorbed	2.3	UN3525	.....	2.1	1	None	302c	None	Forbidden	Forbidden	D	40
Phosphoric acid solution	8	UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Phosphoric acid, solid	8	UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
Phosphoric acid triethylenimine, see Tris-(1-aziridinyl)phosphine oxide, solution												
Phosphoric anhydride, see Phosphorus pentoxide												
Phosphorus acid	8	UN2834	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	25, 53, 58
Phosphorus, amorphous	4.1	UN1338	III	4.1	A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	None	213	243	25 kg	100 kg	A	74
Phosphorus bromide, see Phosphorus tribromide												

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
+	Phosphorus chloride, see Phosphorus trichloride	4.1	UN1339	II	4.1	A20, IB4, N34, T3, TP33, W31	None	212	240	15 kg	50 kg	B	13, 74, 147, 148
	Phosphorus heptasulfide, free from yellow or white phosphorus	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	None	212	240	Forbidden	50 kg	C	12, 25, 40, 53, 58
	Phosphorus oxybromide	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbidden	Forbidden	C	40, 53, 58
	Phosphorus oxybromide, molten	6.1	UN1810	I	6.1, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 53, 58
	Phosphorus oxychloride	8	UN2691	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	Forbidden	50 kg	B	12, 25, 40, 53, 55, 58
	Phosphorus pentabromide	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbidden	50 kg	C	40, 44, 53, 58, 89, 100, 141
	Phosphorus pentachloride	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbidden	50 kg	C	40, 44, 53, 58, 89, 100, 141
	Phosphorus pentafluoride	2.3	UN2198		2.3, 8	2, B9, B14	None	302, 304	314, 315	Forbidden	Forbidden	D	40
	Phosphorus pentoxide	2.3	UN3524	.....	2.3, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
	Phosphorus pentasulfide, adsorbed	4.3	UN1340	II	4.3, 4.1	A20, B59, IB4, T3, TP33, W31, W40	151	212	242	Forbidden	50 kg	B	13, 74, 148
Phosphorus pentasulfide, free from yellow or white phosphorus	8	UN1807	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	53, 58	
Phosphorus pentoxide	8	UN1807	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	53, 58	
Phosphorus sesquisulfide, free from yellow or white phosphorus	4.1	UN1341	II	4.1	A20, IB4, N34, T3, TP33, W31	None	212	240	15 kg	50 kg	B	74	
Phosphorus tribromide	8	UN1808	II	8	A3, A7, B2, B25, IB2, N34, N43, T7, TP2	None	202	242	Forbidden	30 L	C	40, 53, 58	
Phosphorus trichloride	6.1	UN1809	I	6.1, 8	2, B9, B14, B15, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40, 53, 58	
Phosphorus trioxide	8	UN2578	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25, 53, 58	

Phosphorus trisulfide, free from yellow or white phosphorus	4.1	UN1343	II	4.1	A20, IB4, N34, T3, TP33, W31	None	212	240	15 kg	50 kg	B	13, 74, 147, 148
Phosphorus, white dry or Phosphorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus, yellow, in solution	4.2	UN1381	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31, W31	None	188	243	Forbidden	Forbidden	E	
Phosphorus white, molten	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None	188	243	Forbidden	Forbidden	D	
Phosphorus (white or red) and a chlorate, mixtures of	Forbidden											
Phosphoryl chloride, see Phosphorus oxychloride												
Phthalic anhydride with more than .05 percent maleic anhydride	8	UN2214	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
Picolines	3	UN2313	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	40
Picric acid, see Trinitrophenol, etc												
Picrite, see Nitroguanidine, etc												
Picryl chloride, see Trinitrochlorobenzene												
Pine oil	3	UN1272	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
alpha-Phene	3	UN2368	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Piperazine	8	UN2579	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25, 52
Piperidine	8	UN2401	I	8, 3	A10, T10, TP2	None	201	243	0.5 L	2.5 L	B	52
Pivaloyl chloride, see Trimethylacetyl chloride												
Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor	9	UN3314	III	9	32, IB8, IP3, IP7	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
Plastic solvent, n.o.s., see Flammable liquids, n.o.s.												
Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2	UN2006	III	4.2		None	213	None	Forbidden	Forbidden	C	
Polisorous gases, n.o.s., see Compressed or liquefied gases, flammable or toxic, n.o.s.												
Polyalkylamines, n.o.s., see Amines, etc												
Polyamines, flammable, corrosive, n.o.s. see Amines, flammable, corrosive, n.o.s.												
Polyamines, liquid, corrosive, n.o.s. see Amines, liquid, corrosive, n.o.s.												
Polyamines, liquid, corrosive, flammable, n.o.s. see Amines, liquid, corrosive, flammable, n.o.s.												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Polychlorinated biphenyls, liquid Polychlorinated biphenyls, solid	9	UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95
			UN3432										
	Polyester resin kit, <i>liquid base material</i>	3	UN3269	.....	3	9, 81, 140, IB8, IP2, IP4, T3, TP33 40, 149	165	165	None	5 kg	5 kg	B	
	Polyester resin kit, <i>solid base material</i>	4.1	UN3527	.....	4.1	40, 157	165	165	None	5 kg	5 kg	B	
	Polyhalogenated biphenyls, liquid <i>or</i> Halogenated monomethyl/diphenyl-methanes liquid <i>or</i> Polyhalogenated terphenyls, liquid	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95
	Polyhalogenated biphenyls, solid <i>or</i> Halogenated monomethyl/diphenyl-methanes, solid <i>or</i> Polyhalogenated terphenyls, solid	9	UN3152	II	9	IB8, IP2, IP4, T3, TP33	155	204	241	100 kg	200 kg	A	95
G	Polymeric beads expandable, <i>evolving flammable vapor</i> Polymerizing substance, liquid, stabilized, n.o.s.	4.1	UN2211	III	9	32, IB8, IP3, IP7, T1, TP33	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
			UN3532										
G	Polymerizing substance, liquid, temperature controlled, n.o.s.	4.1	UN3534	III	4.1	387, 421, IB3, IP19, N92, T7, TP4, TP6	None	203	241	Forbidden	Forbidden	D	2, 25, 52, 53
G	Polymerizing substance, solid, stabilized, n.o.s.	4.1	UN3531	III	4.1	N92, T7, TP4, TP6 387, 421, IB7, IP19, N92, T7, TP4, TP6, TP33	None	213	240	10 kg	25 kg	D	25, 52, 53
G	Polymerizing substance, solid, temperature controlled, n.o.s.	4.1	UN3533	III	4.1	387, 421, IB7, IP19, N92, T7, TP4, TP6, TP33	None	213	240	Forbidden	Forbidden	D	2, 25, 52, 53
	Potassium	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7, TP33, W31	151	211	244	Forbidden	15 kg	D	13, 52, 148
	Potassium arsenate	6.1	UN1677	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	6.1	UN1678	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

UN number	Proper shipping name	Class	Division	Subdivision	Label	Quantity	Forbidden	Weight/Volume	Special provisions	Other
4.3	Potassium borohydride	I	4.3	A19, N40, W31	None	211	242	15 kg	E	13, 52, 148
5.1	Potassium bromate	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	25 kg	A	56, 58
Forbidden	Potassium carbonyl	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	25 kg	A	56, 58
5.1	Potassium chlorate, aqueous solution	II	5.1	A2, IB2, T4, TP1	152	202	241	5 L	B	56, 58, 133
5.1	Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C	III	5.1	A2, IB2, T4, TP1	152	203	241	30 L	B	56, 58, 69, 133
6.1	Potassium cuprocyanide	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A	52
6.1	Potassium cyanide, solid	I	6.1	B69, B77, IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	B	52
6.1	Potassium cyanide solution	I	6.1	B69, B77, N74, N75, T14, TP2, TP13, W31	None	201	243	30 L	B	52
6.1	Potassium dichloro isocyanurate or Potassium triazinetriene, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc	II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	60 L	B	52
6.1	Potassium dithionite or Potassium hydrosulfite	III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	203	241	220 L	A	52
4.2	Potassium fluoride, solid	II	4.2	A8, A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	50 kg	E	13
6.1	Potassium fluoride solution	III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	52
6.1	Potassium fluoroacetate	I	6.1	IB3, T4, TP1	153	203	241	220 L	A	52
6.1	Potassium fluoride hydrate, see Potassium hydroxide, solid	III	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	E	52
6.1	Potassium hydrogen difluoride	III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	52
8	Potassium hydrogen fluoride, see Potassium hydrogen difluoride	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	50 kg	A	53, 58
8	Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	50 kg	A	25, 40, 52, 53, 58
8	Potassium hydrogendifluoride solid	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	30 L	A	25, 40, 52, 53, 58

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Potassium hydrosulfite, <i>see</i> Potassium dithionite												
	Potassium hydroxide, liquid, <i>see</i> Potassium hydroxide solution												
	Potassium hydroxide, solid	8	UN1813	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
	Potassium hydroxide, solution	8	UN1814	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52.
	Potassium hypochlorite, solution, <i>see</i> Hypochlorite solutions, etc												
	Potassium, metal alloys, liquid	4.3	UN1420	I	4.3	A7, A19, A20, B27, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
	Potassium, metal alloys, solid	4.3	UN3403	I	4.3	A19, A20, B27, IB4, IP1, T9, TP7, TP33, W31	None	211	244	Forbidden	15 kg	D	13, 52, 148
	Potassium metavanadate	6.1	UN2864	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	29, 52.
	Potassium monoxide	8	UN2033	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52.
	Potassium nitrate	5.1	UN1486	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	56, 58
	Potassium nitrate and sodium nitrite mixtures	5.1	UN1487	II	5.1	B78, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
	Potassium nitrite	5.1	UN1488	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium perchlorate	5.1	UN1489	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium permanganate	5.1	UN1490	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	56, 58, 138
	Potassium peroxide	5.1	UN1491	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	C	13, 52, 66, 75, 148
	Potassium persulfate	5.1	UN1492	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 145
	Potassium phosphide	4.3	UN2012	I	4.3, 6.1	A19, N40, W31	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
	Potassium selenate, <i>see</i> Selenates or Selenites												
	Potassium selenite, <i>see</i> Selenates or Selenites												

Potassium sodium alloys, liquid	4.3	UN1422	I	4.3	A7, A19, B27, N34, N40, T9, TP3, TP7, TP31, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
Potassium sodium alloys, solid	4.3	UN3404	I	4.3	A19, B27, N34, N40, T9, TP7, TP33, W31	None	211	244	Forbidden	15 kg	D	13, 52, 148
Potassium sulfide, anhydrous or Potassium sulfide with less than 30 percent water of crystallization	4.2	UN1382	II	4.2	A19, A20, B16, IB6, IP2, N34, T3, TP33, W31	None	212	241	15 kg	50 kg	A	52
Potassium sulfide, hydrated with not less than 30 percent water of crystallization	8	UN1847	II	8	IB8, IP2, IP4, T3, TP33, W40	154	212	240	15 kg	50 kg	A	52
Potassium superoxide	5.1	UN2466	I	5.1	A20, IB6, IP1	None	211	None	Forbidden	15 kg	D	13, 52, 66, 75, 148
Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass	1.1C	UN0433	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25
Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass	1.3C	UN0159	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
Powder paste, see Powder cake, etc												
Powder, smokeless	1.1C	UN0160	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E
Powder, smokeless	1.3C	UN0161	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E
Powder, smokeless	1.4C	UN0509	.....	1.4C	16	171	62	None	Forbidden	75 kg	02	25
Powder, smokeless												
Power device, explosive, see Cartridges, power device												
Primers, cap type	1.4S	UN0044	.....	None	.....	None	62	None	25 kg	100 kg	01	25
Primers, cap type	1.1B	UN0377	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Primers, cap type	1.4B	UN0378	.....	1.4B	.....	None	62	None	Forbidden	75 kg	05	25
Primers, small arms, see Primers, cap type												
Primers, tubular	1.3G	UN0319	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Primers, tubular	1.4G	UN0320	.....	1.4G	.....	None	62	None	75 kg	75 kg	02	25
Primers, tubular	1.4S	UN0376	.....	None	.....	None	62	None	25 kg	100 kg	01	25
Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	3	UN1210	I	3	367, T11, TP1, TP8	150	173	243	1 L	30 L	E	
Projectiles, illuminating, see Ammunition, illuminating, etc												
Projectiles, inert with tracer	1.4S	UN0345	.....	1.4S	149, 367, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	25
Projectiles, inert, with tracer	1.3G	UN0424	.....	1.3G	367, B1, IB3, T2, TP1	150	173	242	60 L	220 L	A	25
Projectiles, inert, with tracer	1.4G	UN0425	.....	1.4G	.....	.....	62	62	25 kg	100 kg	01	25
									Forbidden	Forbidden	03	25
									Forbidden	75 kg	02	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Projectiles, with <i>bursting or expelling charge</i>	1.2D	UN0346	.....	1.2D	.....		62	62	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting or expelling charge</i>	1.4D	UN0347	.....	1.4D	.....		62	62	Forbidden	75 kg	02	25
	Projectiles, with <i>bursting or expelling charge</i>	1.2F	UN0426	.....	1.2F	.....		62	None	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting or expelling charge</i>	1.4F	UN0427	.....	1.4F	.....		62	None	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting or expelling charge</i>	1.2G	UN0434	.....	1.2G	.....		62	62	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting or expelling charge</i>	1.4G	UN0435	.....	1.4G	.....		62	62	Forbidden	75 kg	02	25
	Projectiles, with <i>bursting charge</i>	1.1F	UN0167	.....	1.1F	.....		62	None	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting charge</i>	1.1D	UN0168	.....	1.1D	.....		62	62	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting charge</i>	1.2D	UN0169	.....	1.2D	.....		62	62	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting charge</i>	1.2F	UN0324	.....	1.2F	.....		62	None	Forbidden	Forbidden	03	25
	Projectiles, with <i>bursting charge</i>	1.4D	UN0344	.....	1.4D	.....		62	62	Forbidden	75 kg	02	25
	Propadiene, stabilized	2.1	UN2200	.....	2.1	387	None	304	314, 315	Forbidden	150 kg	B	25, 40
	<i>Propadiene mixed with methyl acetylene</i> , see Methyl acetylene and propadiene mixtures, stabilized												
	Propane, see also Petroleum gases, liquefied	2.1	UN1978	.....	2.1	19, T50, N95	306	304	314, 315	Forbidden	150 kg	E	40
	Propanethiols	3	UN2402	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	95, 102
	n-Propanol or Propyl alcohol, normal	3	UN1274	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Propellant, liquid	1.3C	UN0495	.....	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	25
	Propellant, liquid	1.1C	UN0497	.....	1.3C	37	None	62	None	Forbidden	Forbidden	04	25
	Propellant, solid	1.1C	UN0498	.....	1.1C	37	None	62	None	Forbidden	Forbidden	04	25, 26E
	Propellant, solid	1.3C	UN0499	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E
	Propellant, solid	1.4C	UN0501	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
	Propionaldehyde	3	UN1275	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	25
	Propionic acid with <i>not less than 90% act by mass</i>	8	UN3463	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	53, 58

Propionic acid with not less than 10% and less than 90% acid by mass	8	UN1848	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Propionic anhydride	8	UN2496	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Propionitrile	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	Forbidden	60 L	E	40
Propionyl chloride	3	UN1815	II	3, 8	IB1, T7, TP1	150	202	243	1 L	5 L	B	40, 53, 58
n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	58
Propyl alcohol, see Propanol												
n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 53, 58, 100
n-Propyl chloroformate	6.1	UN2740	I	6.1, 3, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	
Propyl chloride see 1-Chloropropane												
Propyl formates	3	UN1281	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
n-Propyl isocyanate	6.1	UN2482	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	
Propyl mercaptan, see Propanethiols												
n-Propyl nitrate	3	UN1865	II	3	IB9	150	202	None	5 L	60 L	D	44, 89, 90, 100, 40, 52, 40
Propylamine	3	UN1277	II	3, 8	A7, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40, 52, 40
Propylene see also Petroleum gases, liquefied	2.1	UN1077	II	2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
Propylene chlorohydrin	6.1	UN2611	II	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	12, 25, 40
Propylene oxide	3	UN1280	I	3	N34, T11, TP2, TP7	None	201	243	1 L	30 L	E	40
Propylene tetramer	3	UN2850	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	40
1,2-Propylenediamine	8	UN2258	II	8, 3	A3, IB2, N34, T7, TP2	None	202	243	1 L	30 L	A	40, 52
Propyleneimine, stabilized	3	UN1921	I	3, 6.1	N34, T14, TP2, TP13	None	201	243	1 L	30 L	D	40
Propyltrichlorosilane	8	UN1816	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40, 53, 58
Prussic acid, see Hydrogen cyanide												
Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN3350	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Pyrethroid pesticide, liquid toxic	6.1	UN3352	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3351	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Pyrethroid pesticide, solid, toxic	6.1	UN3349	III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	5 L	60 L	B	40
			I	6.1	IB7, IP1, T6, TP33	None	211	242	60 L	220 L	A	40
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Pyridine <i>Pyridine perchlorate</i> Pyrophoric liquid, inorganic, n.o.s	3 Forbidden 4.2	UN1282 UN3194	III II I	6.1 3 4.2	IB8, IP3, T1, TP33 IB2, T4, TP2 .....	153 None None	213 202 181	240 242 244	100 kg 5 L Forbidden	200 kg 60 L Forbidden	A B D	40 21, 100 13, 78, 148
G	Pyrophoric liquids, organic, n.o.s	4.2	UN2845	I	4.2	B11, T22, TP2, TP7, W31	None	187	244	Forbidden	Forbidden	D	13, 78, 148
G	Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s	4.2	UN1383	I	4.2	B11, T21, TP7, TP33, W31	None	187	242	Forbidden	Forbidden	D	13, 148
G	Pyrophoric solid, inorganic, n.o.s	4.2	UN3200	I	4.2	T21, TP7, TP33, W31	None	187	242	Forbidden	Forbidden	D	13, 148
G	Pyrophoric solids, organic, n.o.s	4.2	UN2846	I	4.2	B2, IB2, T8, TP2	None	187	242	Forbidden	Forbidden	D	13, 148
	Pyrosulphury chloride	8	UN1817	II	8		154	202	242	1 L	30 L	C	40, 53, 58
	<i>Pyroxylin solution or solvent, see Nitrocellulose</i>												
	Pyrrrolidine	3	UN1922	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52
	<i>Quebrachitol pentanitrate</i> <i>Quicklime, see Calcium oxide</i> Quinoline	Forbidden											
	R 12, <i>see</i> Dichlorodifluoromethane R 12B1, <i>see</i> R Chlorodifluorobromomethane R 13, <i>see</i> Chlorotrifluoromethane R 13B1, <i>see</i> Bromotrifluoromethane R 14, <i>see</i> Tetrafluoromethane R 21, <i>see</i> Dichlorodifluoromethane R 22, <i>see</i> Chlorodifluoromethane R 114, <i>see</i> R Dichlorotetrafluoroethane R 115, <i>see</i> R Chloropentafluoroethane R 116, <i>see</i> Hexafluoroethane R 124, <i>see</i> Chlorotetrafluoroethane R 133a, <i>see</i> Chlorotrifluoroethane R 152a, <i>see</i> Difluoroethane R 500, <i>see</i> Dichlorodifluoromethane and difluoroethane, etc	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25

R 502, see Chlorodifluoromethane and chloropentafluoroethane mixture, etc	7	UN2909	None		422, 426	422, 426	422, 426	A	
R 503, see Chlorotrifluoromethane and trifluoromethane, etc	7	UN2908	Empty	368	422, 428	422, 428	422, 428	A	
Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium	7	UN2911	None		422, 424	422, 424	422, 424	A	
Radioactive material, excepted package-instruments or articles	7	UN2910	None	368	421, 422	421, 422	421, 422	A	
Radioactive material, excepted package-limited quantity of material	7	UN2912	7	325, A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 129
Radioactive material, low specific activity (LSA-I) non fissile or fissile-excepted	7	UN3321	7	325, A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 129
Radioactive material, low specific activity (LSA-II) non fissile or fissile-excepted	7	UN3322	7	325, A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 150
Radioactive material, surface contaminated objects (SCO-I) or SCO-II) non fissile or fissile-excepted	7	UN2913	7	325, A56	421, 422, 428	427	427	A	95
Radioactive material, transported under special arrangement, non fissile or fissile excepted	7	UN2919	7	325, A56, 139				A	95, 105
Radioactive material, transported under special arrangement, fissile	7	UN3331	7	A56, 139				A	95, 105
Radioactive material, Type A package, fissile non-special form	7	UN3327	7	A56, W7, W8	453	417	417	A	95, 105, 131, 95, 130
Radioactive material, Type A package non-special form, non fissile or fissile-excepted	7	UN2915	7	325, A56, W7, W8	None	415, 418, 419	415, 418, 419, 476	A	95
Radioactive material, Type A package, special form non fissile or fissile-excepted	7	UN3332	7	A56, W7, W8		415, 476	415, 476	A	95, 105
Radioactive material, Type A package, special form, fissile	7	UN3329	7	A56	453	417, 476	417, 476	A	95, 105
Radioactive material, Type B(M) package, fissile	7	UN2917	7	325, A56		416	416	A	95, 105
Radioactive material, Type B(M) package non fissile or fissile-excepted	7	UN2917	7	325, A56		416	416	A	95, 105



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
A W	Radioactive material, Type B(U) package, fissile	7	UN3328		7	A56	453	417	417			A	95, 105
	Radioactive material, Type B(U) package non fissile or fissile-excepted	7	UN2916	.....	7	325, A56		416	416			A	95, 105
	Radioactive material, uranium hexafluoride non fissile or fissile-excepted	7	UN2978	.....	7, 6.1, 8		423	420, 427	420, 427			B	40, 74, 95, 132, 151, 153
	Radioactive material, uranium hexafluoride, fissile	7	UN2977	.....	7, 6.1, 8		453	417, 420	417, 420			B	40, 74, 95, 132, 151, 153
Rags, oily Railway torpedo, see Signals, rail-way track, explosive RC 318, see Octafluorocyclobutane RDX cyclootramethylenetetramin-trimine, wetted or desensitized, see RDX and HMX mixtures, wetted or desensitized RDX and HMX mixtures, wetted with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass RDX and Octogen mixtures, wetted or desensitized, see RDX and HMX mixtures, wetted or desensitized etc RDX, see Cybotrimethylene trinitramine, etc	4.2	UN1856	III	4.2			151	213	240	Forbidden	Forbidden	A	
		1.1D	UN0391	.....	1.1D		None	62	None	Forbidden	Forbidden	04	25

Receptacles, small, containing gas or gas cartridges (flammable) without release device, not refillable and not exceeding 1 L capacity	2.1	UN2037	.....	1	3	1.4S	None	306	304	None	1 kg	15 kg	B	40
Receptacles, small, containing gas or gas cartridges (non-flammable) without release device, not refillable and not exceeding 1 L capacity	2.2	UN2037	.....	II	3	2.2	306	306	304	None	1 kg	15 kg	B	40
Receptacles, small, containing gas or gas cartridges (oxidizing) without release device, not refillable and not exceeding 1 L capacity	2.2	UN2037	.....	III	3	2.2, 5.1	A14	306	304	None	1 kg	15 kg	B	40
Red phosphorus, see Phosphorus, amorphous														
Refrigerant gas R 404A	2.2	UN3337	.....	II	3	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Refrigerant gas R 407A	2.2	UN3338	.....	II	3	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Refrigerant gas R 407B	2.2	UN3339	.....	II	3	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Refrigerant gas R 407C	2.2	UN3340	.....	II	3	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Refrigerant gases, n.o.s.	2.2	UN1078	.....	II	3	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954	.....	II	3	2.1	T50	306	304	314, 315	Forbiddén	150 kg	D	40
Refrigerating machines, containing flammable, non-toxic, liquefied gas	2.1	UN3358	.....	II	3	2.1		306, 307	306	306	Forbiddén	Forbiddén	D	40
Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672)	2.2	UN2857	.....	II	3	2.2	A53	306, 307	306	306, 307	450 kg	450 kg	A	
Regulated medical waste, n.o.s. or (BIO) Medical waste, n.o.s., or Biomedical waste, n.o.s. or Medical waste, n.o.s.	6.2	UN3291	.....	II	3	6.2	41, A13, 337	134	197	197	No limit	No limit	B	40
Release devices, explosive Resin Solution, flammable	1.4S	UN0173	.....	II	3	1.4S	.....	None	62	62	25 kg	100 kg	01	25
	3	UN1866	.....	II	3	3	B52, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
			.....	III	3	3	149, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
			.....	III	3	3	B1, B52, IB3, T2, TP1	150	173	242	60 L	220 L	A	
	6.1	UN2876	.....	III	3	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Resorcinol Rifle grenade, see Grenades, hand or rifle, etc Rifle powder, see Powder, smokeless (UN 0160)														

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Rivets, explosive <i>Road asphalt or tar liquid, see Tars, liquid, etc</i>	1.4S	UN0174	.....	1.4S	.....	.....	None	62	62	25 kg	100 kg	01	25
	Rocket motors	1.3C	UN0186	.....	1.3C	109	None	62	62	62	Forbidden	220 kg	03	25
	Rocket motors	1.1C	UN0280	.....	1.1C	109	None	62	62	62	Forbidden	Forbidden	03	25
	Rocket motors	1.2C	UN0281	.....	1.2C	109	None	62	62	62	Forbidden	Forbidden	04	25
	Rocket motors	1.4C	UN0510	.....	1.4C	109	None	62	62	62	Forbidden	75 kg	02	25
	Rocket motors, liquid fueled	1.2J	UN0395	.....	1.2J	109	None	62	None	None	Forbidden	Forbidden	05	25, 23E
	Rocket motors, liquid fueled	1.3J	UN0396	.....	1.3J	109	None	62	None	None	Forbidden	Forbidden	05	25, 23E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.3L	UN0250	.....	1.3L	109	None	62	None	None	Forbidden	Forbidden	05	25, 23E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.2L	UN0322	.....	1.2L	109	None	62	None	None	Forbidden	Forbidden	05	25, 14E, 15E
	Rockets, line-throwing	1.2G	UN0238	.....	1.2G	.....	None	62	None	None	Forbidden	Forbidden	03	25, 15E
	Rockets, line-throwing	1.3G	UN0240	.....	1.3G	.....	None	62	None	None	Forbidden	75 kg	03	25
	Rockets, line-throwing	1.4G	UN0453	.....	1.4G	.....	None	62	None	None	Forbidden	75 kg	02	25
	Rockets, liquid fueled with bursting charge	1.1J	UN0397	.....	1.1J	.....	None	62	None	None	Forbidden	Forbidden	05	25, 23E
	Rockets, liquid fueled with bursting charge	1.2J	UN0398	.....	1.2J	.....	None	62	None	None	Forbidden	Forbidden	05	25, 23E
	Rockets, with bursting charge	1.1F	UN0180	.....	1.1F	.....	None	62	None	None	Forbidden	Forbidden	03	25, 23E
	Rockets, with bursting charge	1.1E	UN0181	.....	1.1E	.....	None	62	62	62	Forbidden	Forbidden	03	25
	Rockets, with bursting charge	1.2E	UN0182	.....	1.2E	.....	None	62	62	62	Forbidden	Forbidden	03	25
	Rockets, with bursting charge	1.2F	UN0295	.....	1.2F	.....	None	62	None	None	Forbidden	Forbidden	03	25
	Rockets, with expelling charge	1.2C	UN0436	.....	1.2C	.....	None	62	62	62	Forbidden	Forbidden	03	25
	Rockets, with expelling charge	1.3C	UN0437	.....	1.3C	.....	None	62	62	62	Forbidden	Forbidden	03	25
	Rockets, with expelling charge	1.4C	UN0438	.....	1.4C	.....	None	62	62	62	Forbidden	75 kg	02	25
	Rockets, with inert head	1.3C	UN0183	.....	1.3C	.....	None	62	62	62	Forbidden	Forbidden	03	25
	Rockets, with inert head	1.2C	UN0502	.....	1.2C	.....	None	62	62	62	Forbidden	Forbidden	03	25, 5E
	Rosin oil	3	UN1286	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B	
		3	UN1287	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	
		3	UN1287	III	3	149, IB2, T4, TP1, TP8	150	202	242	242	5 L	60 L	B	
	Rubber solution	3	UN1287	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	

UN number	Proper shipping name	Hazard class	Subclass	Label	Quantity	Special provisions	Technical name	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions
4.1	UN1345	Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	II	4.1	IB8, IP2, IP4, T3, TP33	212	240	15 kg	A	50 kg	13, 52, 148		
4.3	UN1423	Rubidium	I	4.3	22, A7, A19, IB4, IP1, N34, N40, N45, W31	211	242	Forbidden	D	15 kg	29, 52, 30 L		
8	UN2678	Rubidium hydroxide	II	8	IB8, IP2, IP4, T3, TP33	212	240	15 kg	A	50 kg	29, 52, 30 L		
8	UN2677	Rubidium hydroxide solution	II	8	B2, IB2, T7, TP2	202	242	1 L	A	30 L	29, 52, 30 L		
9	UN3268	Safety devices, electrically initiated	III	8	IB3, T4, TP1	203	241	5 L	A	60 L	29, 52, 30 L		
1.4G	UN0503	Safety fuse, see Fuse, safety	.....	9	160, A200	186	166	25 kg	A	100 kg	25		
	UN0190	Samples, explosive, other than initiating explosives	.....	1.4G	A200	62	None	Forbidden	02	75 kg	25		
G		Sand acid, see Fluorosilicic acid	.....		113	62	None	Forbidden	05	Forbidden	25		
4.2	UN1386	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	III	None	B136, IB8, IP3, IP7, N7	213	241	Forbidden	A	Forbidden	13, 25		
4.2	UN1386	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture	III	None	B136, IB8, IP3, IP7, N7	213	241	Forbidden	E	Forbidden	13, 25		
4.2	UN2217	Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture	III	None	B136, IB8, IP3, IP7, N7	213	241	Forbidden	A	Forbidden	13, 25, 120		
6.1	UN2630	Selenates or Selenites	I	6.1	IB7, IP1, T6, TP33	211	242	5 kg	E	50 kg	53, 58		
8	UN1905	Selenic acid	I	8	IB7, IP1, N34, T6, TP33	211	242	Forbidden	A	25 kg	53, 58		
6.1	UN3440	Selenium compound, liquid, n.o.s.	II	6.1	T14, TP2, TP27	201	243	1 L	B	30 L			
			III	6.1	IB2, T11, TP2, TP27	202	243	5 L	B	60 L			
			III	6.1	IB3, T7, TP1, TP28	203	241	60 L	A	220 L			
6.1	UN3283	Selenium compound, solid, n.o.s.	II	6.1	IB7, IP1, T6, TP33	211	242	5 kg	B	50 kg			
6.1	UN2657	Selenium disulfide	III	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	B	100 kg			
2.3	UN2194	Selenium hexafluoride	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	A	200 kg			
Forbidden		Selenium nitride	II	2.3, 8	IB8, IP2, IP4, T3, TP33	212	242	25 kg	A	100 kg	40		
8	UN2879	Selenium oxychloride	I	8, 6.1	A7, N34, T10, TP2, TP13	201	243	0.5 L	E	2.5 L	40, 53, 58		
+ A D		Self-defense spray, aerosol, see Aerosols, etc	III	9	A37	203	None	No limit	A	No limit			
G		Self-defense spray, non-pressurized	III	4.2, 8	IB2, W31	202	243	1 L	C	5 L			
		Self-heating liquid, corrosive, inorganic, n.o.s.	III	4.2, 8	IB2, W31	203	241	5 L	C	60 L			
		Self-heating liquid, corrosive, organic, n.o.s.	III	4.2, 8	IB2, W31	202	243	1 L	C	5 L			
			III	4.2, 8	IB2, W31	203	241	5 L	C	60 L			



G	Self-reactive liquid type B, temperature controlled	4.1	UN3231	.....	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type C	4.1	UN3223	.....	4.1	.....	151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type C, temperature controlled	4.1	UN3233	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type D	4.1	UN3225	.....	4.1	.....	151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type D, temperature controlled	4.1	UN3235	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type E	4.1	UN3227	.....	4.1	.....	151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type E, temperature controlled	4.1	UN3237	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type F	4.1	UN3229	.....	4.1	.....	151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type F, temperature controlled	4.1	UN3239	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type B	4.1	UN3222	.....	4.1	53	151	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type B, temperature controlled	4.1	UN3232	.....	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53, 127
G	Self-reactive solid type C	4.1	UN3224	.....	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type C, temperature controlled	4.1	UN3234	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type D	4.1	UN3226	.....	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type D, temperature controlled	4.1	UN3236	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type E	4.1	UN3228	.....	4.1	.....	151	224	None	10 kg	25 kg	D	25, 52, 53
G	Self-reactive solid type E, temperature controlled	4.1	UN3238	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type F	4.1	UN3230	.....	4.1	.....	151	224	None	10 kg	25 kg	D	25, 52, 53
G	Self-reactive solid type F, temperature controlled	4.1	UN3240	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
	Shale oil	3	UN1288	I 3 II 3 III 3	1.4G 1.4S 1.1G 1.3G 1.4G	T11, TP1, TP8, TP27 IB2, T4, TP1, TP8 B1, IB3, T2, TP1	None None 150 150	201 202 203	243 242 242	1 L 5 L 60 L	30 L 60 L 220 L	B B A	
	<i>Shaped charges, see Charges, shaped, etc</i>												
	Signal devices, hand	1.4G	UN0191	.....	1.4G	.....	381	62	None	Forbidden	75 kg	02	25
	Signal devices, hand	1.4S	UN0373	.....	1.4S	.....	381	62	None	25 kg	100 kg	01	25
	Signals, distress, ship	1.1G	UN0194	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, distress, ship	1.3G	UN0195	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Signals, distress, ship	1.4G	UN0505	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Signals, distress, ship	1.4S	UN0506	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Signals, highway, see Signal devices, hand													
	Signals, railway track, explosive	1.1G	UN0192	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25	
	Signals, railway track, explosive	1.4S	UN0193	.....	1.4S	381	None	62	None	Forbidden	100 kg	01	25	
	Signals, railway track, explosive	1.3G	UN0492	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25	
	Signals, railway track, explosive	1.4G	UN0493	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25	
	Signals, ship distress, water-activated, see Containances, water-activated, etc													
	Signals, smoke	1.1G	UN0196	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25	
	Signals, smoke	1.4G	UN0197	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25	
	Signals, smoke	1.2G	UN0313	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25	
	Signals, smoke	1.3G	UN0487	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25	
	Signals, smoke	1.4S	UN0507	.....	1.4S	.....	None	62	None	Forbidden	100 kg	01	25	
	Silane	2.1	UN2203	.....	2.1	.....	None	302	None	Forbidden	Forbidden	E	40, 57, 104	
	Silicofluoric acid, see Fluorosilicic acid													
	Silicon chloride, see Silicon tetra-chloride													
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	74	
	Silicon tetrachloride	8	UN1818	II	8	A3, B2, B6, T10, TP2, TP7, TP13	None	202	242	Forbidden	30 L	C	40, 53, 58	
	Silicon tetrafluoride	2.3	UN1859	.....	2.3, 8	2	None	302	None	Forbidden	Forbidden	D	40	
	Silicon tetrafluoride, adsorbed	2.3	UN3521	.....	2.3, 8	2	None	302c	None	Forbidden	Forbidden	D	40	
	Silver acetylacrylate (dry)	Forbidden												
	Silver arsenite	6.1	UN1683	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Silver azide (dry)	Forbidden												
	Silver chlorite (dry)	Forbidden												
	Silver cyanide	6.1	UN1684	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52	
	Silver fulminate (dry)	Forbidden												
	Silver nitrate	5.1	UN1493	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A		
	Silver oxalate (dry)	Forbidden												
	Silver picrate (dry)	Forbidden												
	Silver picrate, wetted with not less than 30 percent water, by mass	4.1	UN1347	I	4.1	23, W31	None	211	None	Forbidden	Forbidden	D	28, 36	
	Sludge, acid	8	UN1906	II	8	A3, A7, B2, IB2, N34, T8, TP2, TP28	None	202	242	Forbidden	30 L	C	14, 53, 58	





§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Sodium chlorite	5.1	UN1496	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	None	212	242	5 kg	25 kg	A	56, 58
	Sodium chloroacetate	6.1	UN2659	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium cuprocyanide, solid	6.1	UN2316	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40, 52
	Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	52
	Sodium cyanide, solid	6.1	UN1689	I	6.1	B69, B77, IB7, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	B	52
	Sodium cyanide solution	6.1	UN3414	I	6.1	B69, B77, N74, N75, T14, TP2, TP13, W31	None	201	243	1 L	30 L	B	52
				II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	5 L	60 L	B	52
				III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	203	241	60 L	220 L	A	52
	<i>Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc</i>												
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass	1.3C	UN0234	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass	4.1	UN3369	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass	4.1	UN1348	I	4.1, 6.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	E	28, 36
	Sodium dithionite or Sodium hydro-sulfite	4.2	UN1384	II	4.2	A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	E	13
	Sodium fluoride, solid	6.1	UN1690	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium fluoride solution	6.1	UN3415	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	Sodium fluoroacetate	6.1	UN2629	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
	Sodium fluorosulfate	6.1	UN2674	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	<i>Sodium hydrate, see Sodium hydroxide, solid</i>												
	Sodium hydride	4.3	UN1427	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148

Sodium hydrogendifluoride	8	UN2439	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	12, 25, 40, 52, 53, 58, 52
Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	A	52
Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	52
Sodium hydrosulfite, see Sodium dithionite												
Sodium hydroxide, solid	8	UN1823	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Sodium hydroxide solution	8	UN1824	III	8	B2, IB2, N34, T7, TP2 IB3, N34, T4, TP1	154 154	202 242	241	1 L 5 L	30 L 60 L	A A	52 52
Sodium hypochlorite, solution, see Hypochlorite solutions etc												
Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.												
Sodium methylate	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33, W31	None	212	242	15 kg	50 kg	B	
Sodium methylate solutions in alcohol	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	243	1 L	5 L	B	
Sodium monoxide	8	UN1825	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	52
Sodium nitrate	5.1	UN1498	III	5.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
Sodium nitrite	5.1	UN1500	III	5.1, 6.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Sodium perborate monohydrate	5.1	UN3377	III	5.1	B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 25, 75
Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58
Sodium peroxide	5.1	UN1504	I	5.1	A20, IB5, IP1, N34	None	211	None	Forbidden	15 kg	C	13, 52, 66, 75, 148
Sodium peroxoborate, anhydrous	5.1	UN3247	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13, 25
Sodium persulfate	5.1	UN1505	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	58, 145
Sodium phosphide	4.3	UN1432	I	4.3, 6.1	A19, A40, W31	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
Sodium picramate, dry or wetted with less than 20 percent water, by mass	1.3C	UN0235	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
Sodium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1349	I	4.1	23, A8, A19, N41, W31	None	211	None	Forbidden	15 kg	E	28, 36
Sodium picryl peroxide	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Sodium potassium alloys, see Potassium sodium alloys Sodium selenate, see Selenates or Selenites Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization Sodium sulfide, hydrated with not less than 30 percent water Sodium superoxide	4.2 8 5.1	UN1385 UN1849 UN2547	II II I	4.2 8 5.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40 IB8, IP2, IP4, T3, TP33 A20, IB6, IP1, N34	None 154 None	212 212 211	241 240 None	15 kg 15 kg Forbidden	50 kg 50 kg 15 kg	A A D	52 52 13, 52, 66, 75, 148
G	Sodium tetranitride Solids containing corrosive liquid, n.o.s.	Forbidden 8	UN3244	II	8	49, IB5, T3, TP33	154	212	240	15 kg	50 kg	B	40
G	Solids containing flammable liquid, n.o.s.	4.1	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	240	15 kg	50 kg	B	40
G	Solids containing toxic liquid, n.o.s. Sounding devices, explosive Sounding devices, explosive Sounding devices, explosive Sounding devices, explosive Spirits of salt, see Hydrochloric acid Squibs, see Igniters etc Stannic chloride, anhydrous Stannic chloride pentahydrate Stannic phosphide	6.1 1.2F 1.1F 1.1D 1.2D	UN3243 UN0204 UN0296 UN0374 UN0375	II ..... ..... ..... .....	6.1 1.2F 1.1F 1.1D 1.2D	48, IB2, T2, TP33 ..... ..... ..... .....	153 None None None None	212 62 62 62 62	240 62 62 62 62	25 kg Forbidden Forbidden Forbidden Forbidden	100 kg Forbidden Forbidden Forbidden Forbidden	B 03 03 03 03	40 25 25 25 25
	Steel swarf, see Ferrous metal borings, etc Stibine Storage batteries, wet, see Batteries, wet etc Strontium arsenite Strontium chlorate	8 8 4.3 2.3	UN1827 UN2440 UN1433 UN2676	II III I 2.3	8 8 4.3, 6.1 2.3, 2.1	B2, IB2, T7, TP2 IB8, IP3, T1, TP33 A19, N40, W31	154 154 None	202 213 211	242 240 242	1 L 25 kg Forbidden	30 L 100 kg 15 kg	C A E	53, 58 53, 58 13, 40, 52, 65, 148
		6.1 5.1	UN1691 UN1506	II II	6.1 5.1	IB8, IP2, IP4, T3, TP33 A1, A9, IB8, IP2, IP4, N34, T3, TP33	153 152	212 212	242 242	25 kg 5 kg	100 kg 25 kg	A A	56, 58

Strontium nitrate	5.1	UN1507	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58, 13, 92, 66, 75, 148, 13, 40, 52, 85, 148, 40
Strontium perchlorate	5.1	UN1508	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	
Strontium peroxide	5.1	UN1509	II	5.1	IB6, IP2, T3, TP33, WT00	152	212	242	5 kg	25 kg	C	
Strontium phosphide	4.3	UN2013	I	4.3, 6.1	A19, N40, W31	None	211	None	Forbidden	15 kg	E	
Strychnine or Strychnine salts	6.1	UN1692	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
Styphnic acid, <i>see</i> Trinitroresorcinol, <i>etc</i>												
Styrene monomer, stabilized	3	UN2055	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25, 25, 14E
Substances, explosive, n.o.s.	1.1L	UN0357	.....	1.1L	101	None	62	None	Forbidden	Forbidden	05	15E, 14E, 14E, 25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.2L	UN0358	.....	1.2L	101	None	62	None	Forbidden	Forbidden	05	15E, 14E, 14E, 25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.3L	UN0359	.....	1.3L	101	None	62	None	Forbidden	Forbidden	05	15E, 14E, 14E, 25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.1A	UN0473	.....	1.1A	101, 111	None	62	None	Forbidden	Forbidden	05	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.1C	UN0474	.....	1.1C	101	None	62	None	Forbidden	Forbidden	04	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.1D	UN0475	.....	1.1D	101	None	62	None	Forbidden	Forbidden	04	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.1G	UN0476	.....	1.1G	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.3C	UN0477	.....	1.3C	101	None	62	None	Forbidden	Forbidden	04	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.3G	UN0478	.....	1.3G	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.4C	UN0479	.....	1.4C	101	None	62	None	Forbidden	Forbidden	02	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.4D	UN0480	.....	1.4D	101	None	62	None	Forbidden	Forbidden	02	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.4S	UN0481	.....	1.4S	101, 347	None	62	None	Forbidden	75 kg	01	25, 25, 14E, 14E, 15E
Substances, explosive, n.o.s.	1.4G	UN0485	.....	1.4G	101	None	62	None	Forbidden	75 kg	02	25, 25, 14E, 14E, 15E
Substances, explosive, very insensitive, n.o.s. or Substances, EVI, n.o.s.	1.5D	UN0482	.....	1.5D	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 14E, 15E
Substituted nitrophenol pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2780	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3014	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3013	III	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3013	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3013	I	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3013	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3013	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
D I	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	III I	6.1, 3 6.1	B1, IB3, T7, TP2, TP28, IB7, IP1, T6, TP33	153 None	203 211	242 242	60 L 5 kg	220 L 50 kg	A A	40 40
D I	Sucrose octanitrate (dry) Sulfamic acid Sulfur Sulfur 4.1	Forbidden 8 9 4.1	UN2967 NA1350 UN1350	III III III	6.1 6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 153	212 213	242 240	25 kg 100 kg	100 kg 200 kg	A A	40 40
+	Sulfur and chlorate, loose mixtures of Sulfur chlorides Sulfur dichloride, see Sulfur chlorides Sulfur dioxide Sulfur dioxide solution, see Sulfurous acid Sulfur hexafluoride	Forbidden 8	UN1828	I	8	5, A7, A10, B10, B77, N34, T20, TP2	None	201	243	Forbidden	2.5 L	C	40, 53, 58
D I	Sulfur, molten Sulfur, molten	2.3 4.1	UN1079	III III	2.3, 8	3, B14, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40
+	Sulfur tetrafluoride Sulfur trioxide, stabilized	2.3 8	UN1080 UN2448 UN2448	III III	2.2 9	30, B13, IB3, R1, T1, TP3 30, B13, IB1, R1, T1, TP3	306 None	304 213	314, 315 247	75 kg Forbidden	150 kg Forbidden	A C	61 74
+	Sulfuretted hydrogen, see Hydrogen sulfide Sulfuric acid, fuming with less than 30 percent free sulfur trioxide Sulfuric acid, fuming with 30 percent or more free sulfur trioxide	8 8	UN1831 UN1831	I I	8, 6.1	A7, N34, T20, TP2, TP13 2, B9, B14, B32, B77, B84, N34, T20, TP2, TP12, TP13	None None	201 227	243 244	Forbidden Forbidden	2.5 L Forbidden	C C	40, 52 25, 40, 53, 58

Sulfuric acid, spent	8	UN1832	II	8	A3, A7, B2, B83, B84, IB2, N34, T8, TP2	None	202	242	Forbidden	30 L	C	14, 53, 58
Sulfuric acid with more than 51 percent acid	8	UN1830	II	8	A3, A7, B3, B83, B84, IB2, N34, T8, TP2	154	202	242	1 L	30 L	C	14, 53, 58
Sulfuric acid with not more than 51% acid	8	UN2796	II	8	386, A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B	53, 58
Sulfuric and hydrofluoric acid mixtures, see Hydrofluoric acid and sulfuric acid mixtures												
Sulfuric anhydride, see Sulfur trioxide, stabilized												
Sulfurous acid	8	UN1833	II	8	B3, IB2, T7, TP2	154	202	242	1 L	30 L	B	40, 53, 58
Sulfuryl chloride	6.1	UN1834	I	6.1, 8	1, B6, B9, B10, B14, B30, B77, N34, T22, TP2, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40, 53, 58
Sulfuryl fluoride	2.3	UN2191		2.3		None	304	314, 315	Forbidden	Forbidden	D	40
Tars, liquid including road oils and cutback bitumens	3	UN1999	II	3	149, B13, IB2, T3, TP3, TP29	150	202	242	5 L	60 L	B	
Tear gas candles	6.1	UN1700	.....	6.1, 4.1	B1, B13, IB3, T1, TP3	150	203	242	60 L	220 L	A	40
Tear gas cartridges, see Ammunition, tear-producing, etc						None	340	None	Forbidden	Forbidden	D	40
Tear gas devices with more than 2 percent tear gas substances, by mass	6.1	NA1693	I	6.1		None	340	None	Forbidden	Forbidden	D	40
Tear gas devices, with not more than 2 percent tear gas substances, by mass, see Aerosols, etc						None	340	None	Forbidden	Forbidden	D	40
Tear gas grenades, see Tear gas candles						None	340	None	Forbidden	Forbidden	D	40
Tear gas substances, liquid, n.o.s	6.1	UN1693	I	6.1	W31	None	201	None	Forbidden	Forbidden	D	40
Tear gas substance, solid, n.o.s	6.1	UN3448	I	6.1	IB2, W31	None	202	None	Forbidden	5 L	D	40
			II	6.1	T6, TP33, W31	None	211	242	Forbidden	Forbidden	D	40
			II	6.1	IB8, IP2, IP4, T3, TP33, W31	None	212	242	Forbidden	25 kg	D	40
Tellurium compound, n.o.s	6.1	UN3284	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Tellurium hexafluoride	2.3	UN2195	III	2.3, 8		None	302	None	Forbidden	Forbidden	D	40
Terpene hydrocarbons, n.o.s.	3	UN2319	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Terpinolene	3	UN2541	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Tetraazido benzene quinone	Forbidden											
Tetrabromoethane	6.1	UN2504	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
1,1,2,2-Tetrachloroethane	6.1	UN1702	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40
Tetrachloroethylene	6.1	UN1897	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Tetraethyl dthiopyrophosphate	6.1	UN1704	II	6.1	IB2, T7, TP2	153	212	242	100 kg	D	40	
	Tetraethyl silicate	3	UN1292	III	3								B1, IB3, T2, TP1
	Tetraethylammonium perchlorate (dry)	Forbidden											
	Tetraethylenepentamine	8	UN2320	III	8	IB3, T4, TP1	154	203	241	60 L	A	52	
	1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a	2.2	UN3159	.....	2.2								T50
	Tetrafluoroethylene, stabilized	2.1	UN1081	.....	2.1	387	306	304	None	Forbidden	E	25, 40	
	Tetrafluoromethane or Refrigerant gas R 14	2.2	UN1982	.....	2.2								None
	1,2,3,6-Tetrahydrobenzaldehyde	3	UN2498	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A		
	Tetrahydrofuran	3	UN2056	III	3								IB2, T4, TP1
	Tetrahydrofurylamine	3	UN2943	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A		
	Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride	8	UN2698	III	8								IB8, IP3, T1, TP33
	1,2,3,6-Tetrahydropyridine	3	UN2410	II	3	B2, T4, TP1	150	202	242	5 L	B		
	Tetrahydrothiophene	3	UN2412	II	3								IB2, T4, TP1
	Tetramethylammonium hydroxide, solid	8	UN3423	II	8	B2, IB8, IP2, IP4, T3, TP33	154	213	240	15 kg	A		
	Tetramethylammonium hydroxide solution	8	UN1835	II	8								B2, IB2, T7, TP2
Tetramethylene diperoxide	Forbidden												
Tetramethylsilane	3	UN2749	I	3	A7, T14, TP2	None	201	243	Forbidden	30 L	D		
Tetranitro diglycerin	Forbidden												
Tetranitroamine	1.1D	UN0207	.....	1.1D	2, B32, T20, TP2, TP13, TP38, TP44	None	62	None	Forbidden	Forbidden	04	25	
Tetranitromethane	6.1	UN1510	I	6.1, 5.1									None
2,3,4,6-Tetranitrophenol	Forbidden												
2,3,4,6-Tetranitrophenyl methyl ni-tramine	Forbidden												
2,3,4,6-Tetranitrophenyltrimine	Forbidden												
Tetranitrosorcinol (dry)	Forbidden												
2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden												

UN Number	Proper Shipping Name	Quantity	Special Provisions	Other	Regulation	Quantity	Special Provisions	Other	Regulation
UN2413	2,3,5,6-Tetraamino nitrobenzene (dry)	3	Forbidden	B1, IB3, T4, TP1	150	203	242	60 L	A
UN0407	Tetrapropylthiothionate	1.4C	Forbidden	.....	None	62	None	75 kg	02
UN0504	Tetrazene, see Guanyl nitrosamino-guanyltetrazene	1.1D	Forbidden	.....	None	62	None	Forbidden	04
UN1857	Tetrazine (dry)	4.2	Forbidden	IB6, IP2, T3, TP33	151	213	240	Forbidden	A
UN2573	Tetrazol-1-acetic acid	5.1, 6.1	Forbidden	IB8, IP2, IP4, T3, TP33	152	212	242	25 kg	A
UN1707	1H-Tetrazole	6.1	Forbidden	IB6, IP2, T3, TP33	153	212	242	100 kg	A
UN2727	Tetrazolyl azide (dry)	6.1, 5.1	Forbidden	IB3, T4, TP1, W31	153	212	242	25 kg	A
UN2785	Tetryl, see Trinitrophenylmethylnitramine	6.1	Forbidden	IB2, T4, TP1	150	203	241	60 L	D
UN2436	Thiactenol	3	Forbidden	IB2, T4, TP1	150	202	242	5 L	B
UN2772	Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	3, 6.1	Forbidden	T14, TP2, TP13, TP27	None	201	243	30 L	B
UN3005	Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	3, 6.1, 6.1, 3	Forbidden	IB2, T11, TP2, TP13	150	202	243	1 L	B
UN3006	Thiocarbamate pesticide, liquid, toxic	6.1, 3	Forbidden	IB2, T11, TP2, TP27	153	202	243	60 L	B
UN2771	Thiocarbamate pesticides, solid, toxic	6.1	Forbidden	IB3, T7, TP2, TP28	153	203	242	220 L	A
UN2966	Thiocarbonylchloride, see Thiophosgene	6.1	Forbidden	T14, TP2, TP13	None	201	243	30 L	B
UN1940	Thioglycolic acid	8	Forbidden	IB2, T11, TP2, TP27	153	202	243	60 L	B
UN2936	Thiolactic acid	6.1	Forbidden	IB3, T7, TP2, TP28	153	203	241	220 L	A
UN1836	Thionyl chloride	8	Forbidden	IB7, IP1, T6, TP33	None	211	242	50 kg	A
UN2414	Thiophene	3	Forbidden	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A
UN2474	Thiophosgene	6.1	Forbidden	IB8, IP3, T1, TP33	153	213	240	100 kg	A
				IB2, T7, TP2	153	202	243	5 L	A
				A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	A
				IB2, T7, TP2	153	202	243	5 L	A
				B6, B10, N34, T10, TP2, TP13	None	201	243	Forbidden	C
				IB2, T4, TP1	150	202	242	60 L	B
				2, B9, B14, B32, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	5 L	D



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Other (10B)	Loca-tion (10A)	
	Thiophosphoryl chloride	8	UN1837	II	8	A3, A7, B2, B8, B25, IB2, N34, T7, TP2	None	202	242	Forbidden	30 L	C	40, 53, 58	
	Thiourea dioxide	4.2	UN3341	II	4.2	IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	D		
	<i>Tin chloride, fuming, see Stannic chloride, anhydrous</i> <i>Tin perchlorate or Tin tetrachloride, see Stannic chloride, anhydrous</i> Tinctures, medicinal	3	UN1293	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	D		
	<i>Tinning flux, see Zinc chloride</i> Tires and tire assemblies, <i>see Air, compressed or Nitrogen, com-pressed</i>													
	Titanium disulphide	4.2	UN3174	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	A		
	Titanium hydride	4.1	UN1871	II	4.1	A19, A20, IB4, N34, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	E		
	Titanium powder, dry	4.2	UN2546	I	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33, W31	None	211	242	Forbidden	Forbidden	D	13, 148	
					4.2	B135, IB8, IP21, T1, TP33, W31	None	213	241	15 kg	50 kg	D	13, 148	
	Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically pro-duced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 mi-crons	4.1	UN1352	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None	212	240	25 kg	100 kg	E	74	
	Titanium sponge granules or Tita-nium sponge powders	4.1	UN2878	III	4.1	A1, B134, IB8, IP21, T1, TP33, W100	None	213	240	25 kg	100 kg	D	13, 74, 147, 148	
+	Titanium tetrachloride	6.1	UN1838	I	6.1, 8	2, B7, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 53, 58	
	Titanium trichloride mixtures	8	UN2869	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58	

	Titanium trichloride, pyrophoric or Titanium trichloride mixtures, pyrophoric TNT mixed with aluminum, see Tritonal	4.2	UN2441	III	8	A7, IB8, IP3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	40, 53, 58
	Toluene	3	UN1294	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	13, 40, 148
+	Toluene diisocyanate	6.1	UN2078	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	D	25, 40
	Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc	6.1	UN1708	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
+	Toluidines, liquid	6.1	UN3451	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Toluidines, solid	6.1	UN1709	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	2,4-Toluylenediamine, solid or 2,4- Toluenediamine, solid	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	2,4-Toluylenediamine solution or 2,4-Toluenediamine solution	1.3J	UN0450	.....	1.3J	.....		62	None	Forbidden	Forbidden	05	25, 23E
	Torpedoes, liquid fueled, with inert head	1.1J	UN0449	.....	1.1J	.....		62	None	Forbidden	Forbidden	05	25, 23E
	Torpedoes, liquid fueled, with or without bursting charge	1.1E	UN0329	.....	1.1E	.....		62	62	Forbidden	Forbidden	03	25
	Torpedoes with bursting charge	1.1F	UN0330	.....	1.1F	.....		62	None	Forbidden	Forbidden	03	25
	Torpedoes with bursting charge	1.1D	UN0451	.....	1.1D	.....		62	62	Forbidden	Forbidden	03	25
G	Toxic by inhalation liquid, flamm- able, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m3 and saturated vapor con- centration greater than or equal to 500 LC50	6.1	UN3488	I	6.1, 3, 8	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40, 125
G	Toxic by inhalation liquid, flamm- able, corrosive, n.o.s. with an LC50 lower than or equal to 1000 ml/m3 and saturated vapor con- centration greater than or equal to 10 LC50	6.1	UN3489	I	6.1, 3, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 125
G	Toxic by inhalation liquid, n.o.s. with an LC50 lower than or equal to 200 ml/m3 and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3381	I	6.1	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, n.o.s. with an LC50 lower than or equal to 1000 ml/m3 and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3382	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)		Loca-tion (10A)
G	Toxic by inhalation liquid, flammable, n.o.s. with an LC50 lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3383	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3384	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, water-re-active, n.o.s. with an LC50 lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3385	I	6.1, 4.3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	13, 40, 148
G	Toxic by inhalation liquid, water-re-active, n.o.s. with an LC50 lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3386	I	6.1, 4.3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	13, 40, 148
G	Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3490	I	6.1, 4.3, 3	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	13, 21, 40, 49, 148
G	Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3491	I	6.1, 4.3, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	13, 21, 28, 40, 49, 148

G	Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3387	I	6.1, 5.1	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3388	I	6.1, 5.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3389	I	6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an LC50 lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3390	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	A	40
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2929	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1, 5.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	II	6.1, 8	IB2, T11, TP2, TP27	None	201	243	Forbidden	2.5 L	C	40
G	Toxic solid, flammable, inorganic, n.o.s.	6.1	UN3535	I	6.1, 4.1	IB7, T6, TP33	None	211	242	1 kg	25 kg	A	40
G	Toxic solid, flammable, inorganic, n.o.s.	6.1	UN3535	I	6.1, 4.1	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	A	40
G	Toxic solid, flammable, inorganic, n.o.s.	6.1	UN3535	I	6.1, 4.1	IB6, T6, TP33	None	211	242	1 kg	15 kg	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	I	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	40
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	III	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	5 kg	50 kg	A	40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	200 kg	A	40
G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	I	6.1, 5.1	IB8, IP2, IP4, T3, TP33	153	212	242	1 kg	25 kg	B	40
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	I	6.1, 4.2	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	40
G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	I	6.1, 4.2	IB8, IP2, IP4, T3, TP33	153	212	242	5 kg	50 kg	D	40
G	Toxins, extracted from living sources, liquid, n.o.s.	6.1	UN3172	I	6.1, 4.3	A5, T6, TP33, W100	141	201	243	5 kg	15 kg	D	13, 40, 148
G	Toxins, extracted from living sources, solid, n.o.s.	6.1	UN3462	III	6.1	141, IB2, 141, IB3, 141, IB7, IP1, T6, TP33	153	202	243	1 L	30 L	B	40
D	Toy Caps	1.4S	NA0337	.....	1.4S	141, IB8, IP2, IP4, T3, TP33	153	213	241	5 L	60 L	B	40
	Tracers for ammunition	1.3G	UN0212	.....	1.3G	141, IB8, IP3, T1 TP33	153	62	None	60 L	220 L	B	40
	Tracers for ammunition	1.4G	UN0306	.....	1.4G	.....	None	62	None	5 kg	50 kg	B	40
	Tractors, see Vehicle, etc					.....	None	62	None	25 kg	100 kg	B	40
						.....	None	62	None	Forbiddn	Forbiddn	A	25
						.....	None	62	None	Forbiddn	Forbiddn	01	25
						.....	None	62	None	Forbiddn	Forbiddn	03	25
						.....	None	62	None	Forbiddn	Forbiddn	02	25



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Trifluoroacetic acid	8	UN2699	I	8	A7, B4, N3, N34, N36, T10, TP2	None	201	243	0.5 L	2.5 L	B	12, 25, 40, 53, 58, 40
	Trifluoroacetyl chloride	2.3	UN3057	.....	2.3, 8	2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbidden	Forbidden	D	40
	Trifluorochloroethylene, stabilized or Refrigerant gas R 1113	2.3	UN1082	.....	2.3, 2.1	3, 387, B14, T50	None	304	314, 315	Forbidden	Forbidden	D	25, 40
	Trifluoromethane or Refrigerant gas R 23	2.2	UN1984	.....	2.2		306	304	314, 315	75 kg	150 kg	A	
	Trifluoromethane, refrigerated liquid	2.2	UN3136	.....	2.2	T75, TP5	306	None	314, 315	50 kg	500 kg	D	
	1,1,1-Trifluoroethane or Refrigerant gas, R 143a	2.1	UN2035	.....	2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	2-Trifluoromethylaniline	6.1	UN2942	III	6.1	IB3	153	203	241	60 L	220 L	A	
	3-Trifluoromethylaniline	6.1	UN2948	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Triformoxime trinitrate	Forbidden											
	Trisobutylene	3	UN2324	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Trisopropyl borate	3	UN2616	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
				I	6.1, 3	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	E	40
D	Trimethoxysilane	6.1	NA9269	I	6.1, 3		150	202	242	5 L	60 L	B	
	Trimethyl borate	3	UN2416	II	3	IB2, T7, TP1	150	203	242	60 L	220 L	A	
	Trimethyl phosphite	3	UN2329	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbidden											
	Trimethylacetyl chloride	6.1	UN2438	I	6.1, 8, 3	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 25, 40, 53, 58, 100, 40, 52, 135
	Trimethylamine, anhydrous	2.1	UN1083	.....	2.1	N87, T50	306	304	314, 315	Forbidden	150 kg	B	40, 52, 135
	Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass	3	UN1297	I	3, 8	T11, TP1	None	201	243	0.5 L	2.5 L	D	
				II	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 41, 52, 40, 41, 52
				III	3, 8	B1, IB3, T7, TP1	150	203	242	5 L	60 L	A	40, 41, 52
	1,3,5-Trimethylbenzene	3	UN2325	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	

Trimethylchlorosilane	3	UN1298	II	3, 8	A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	E	40, 53, 58
Trimethylcyclohexylamine	8	UN2326	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
Trimethylene glycol dipchlorate	Forbidden											
Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	IB3, T4, TP2, TP13	153	203	241	60 L	220 L	B	
Trimethylhexamethylenediamines	8	UN2327	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
Trimethylol nitromethane trinitrate	Forbidden								Forbidden	Forbidden	04	25, 5E
Trinitro-m-cresol	1.1D	UN0216	.....	1.1D	.....	None	62	None				
2,4,6-Trinitro-1,3-diazobenzene	Forbidden											
2,4,6-Trinitro-1,3,5-triazido benzene (dry)	Forbidden											
Trinitroacetic acid	Forbidden											
Trinitroacetone	Forbidden											
Trinitroacetone	Forbidden											
Trinitroamine cobalt	1.1D	UN0153	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitroaniline or Picramide	1.1D	UN0213	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitroanisole	1.1D	UN0214	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitrobenzene, dry or wetted with less than 30 percent water, by mass	4.1	UN3367	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrobenzene, wetted, with not less than 10% water, by mass	4.1	UN1354	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrobenzene, wetted with not less than 30 percent water, by mass	1.1D	UN0386	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
Trinitrobenzenesulfonic acid	1.1D	UN0215	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitrobenzoic acid, dry or wetted with less than 30 percent water, by mass	4.1	UN3368	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrobenzoic acid, wetted with not less than 10% water by mass	4.1	UN1355	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass	1.1D	UN0155	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitrochlorobenzene or Picryl chloride	4.1	UN3365	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrochlorobenzene (picryl chloride), wetted, with not less than 10% water by mass	Forbidden											
Trinitroethanol	Forbidden											
Trinitroethylnitrate	1.1D	UN0387	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitrofluorenone	Forbidden											
Trinitromethane	Forbidden											
1,3,5-Trinitronaphthalene	1.1D	UN0217	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitronaphthalene	1.1D	UN0218	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Trinitrophenole	4.1	UN3364	I	4.1	23, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrophenol (picric acid), wetted, with not less than 10 percent water by mass												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Tritrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0154	.....	1.1D	.....	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Tritrophenol, wetted with not less than 30 percent water, by mass	4.1	UN1344	I	4.1	162, A8, A19, N41, W31	None	211	None	None	1 kg	15 kg	E	28, 36
	2,4,6-Tritrophenyl guanidine (dry)	Forbidden												
	2,4,6-Tritrophenyl nitramine	Forbidden												
	2,4,6-Tritrophenyl trimethylol methyl nitramine trinitrate (dry)	Forbidden												
	Tritrophenylmethylnitramine or Tetyl	1.1D	UN0208	.....	1.1D	.....	None	62	None	None	Forbidden	Forbidden	04	25
	Tritroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0219	.....	1.1D	.....	None	62	None	None	Forbidden	Forbidden	04	25, 5E
	Tritroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0394	.....	1.1D	385	None	62	None	None	Forbidden	Forbidden	04	25, 5E
	2,4,6-Tritroso-3-methyl nitraminoisole	Forbidden												
	Tritrotoetamine cobalt nitrate	Forbidden												
	Tritrotoluene and Tritrobenzene mixtures or TNT and tritrobenzene mixtures or TNT and hexanitrostilbene mixtures or Tritrotoluene and hexanitrostilbene mixtures and hexanitrostilbene mixtures	1.1D	UN0388	.....	1.1D	.....	None	62	None	None	Forbidden	Forbidden	04	25
	Tritrotoluene mixtures containing Tritrobenzene and Hexanitrostilbene or TNT mixtures containing tritrobenzene and hexanitrostilbene	1.1D	UN0389	.....	1.1D	.....	None	62	None	None	Forbidden	Forbidden	04	25
	Tritrotoluene or TNT, dry or wetted with less than 30 percent water, by mass	1.1D	UN0209	.....	1.1D	.....	None	62	None	None	Forbidden	Forbidden	04	25



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Other (10B)	Loca-tion (10A)	
	Vanadium trichloride	8	UN2475	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40, 53, 58	
	Vanadyl sulfate	6.1	UN2931	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	25, 40	
	Vehicle, flammable gas powered or Vehicle, fuel cell, flammable gas powered	9	UN3166	.....	9	135, A200	220	220	220	Forbidden	No limit	A		
	Vehicle, flammable liquid powered or Vehicle, fuel cell, flammable liquid powered	9	UN3166	.....	9	135, A200	220	220	220	No limit	No limit	A		
	Very signal cartridge, see Cartridges, signal	3	UN1301	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25	
	Vinyl acetate, stabilized	2.1	UN1085	.....	2.1	387, N86, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40	
	Vinyl bromide, stabilized	2.1	UN1085	.....	2.1	387, N86, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40	
	Vinyl butyrate, stabilized	3	UN2838	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25	
	Vinyl chloride, stabilized	2.1	UN1086	.....	2.1	21, 387, B44, N86, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40	
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A		
	Vinyl ethyl ether, stabilized	3	UN1302	I	3	387, T11, TP2	None	201	243	1 L	30 L	D		
	Vinyl fluoride, stabilized	2.1	UN1860	.....	2.1	387, N86	306	304	314, 315	Forbidden	150 kg	E	25, 40	
	Vinyl isobutyl ether, stabilized	3	UN1304	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25	
	Vinyl methyl ether, stabilized	2.1	UN1087	.....	2.1	387, B44, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40	
	Vinyl nitrate polymer	Forbidden												
	Vinylidene chloride, stabilized	3	UN1303	I	3	387, T12, TP2, TP7	150	201	243	1 L	30 L	D	25, 40	
	Vinylpyridines, stabilized	6.1	UN3073	II	6.1, 3, 8	387, IB1, T7, TP2, TP13	153	202	243	1 L	30 L	B	21, 25, 40, 52, 100	
	Vinyltoluenes, stabilized	3	UN2618	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25	
	Vinyltrichlorosilane	3	UN1305	II	3, 8	A3, A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40, 53, 58	
	Warheads, rocket with burster or expelling charge	1.4D	UN0370	.....	1.4D	.....	None	62	62	Forbidden	75 kg	02	25	
	Warheads, rocket with burster or expelling charge	1.4F	UN0371	.....	1.4F	.....	None	62	62	Forbidden	Forbidden	03	25	
	Warheads, rocket with bursting charge	1.1D	UN0286	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	03	25	

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G	Warheads, rocket with bursting charge	1.2D	UN0287	.....	1.2D	.....	None	62	62	None	Forbidden	Forbidden	03	25
	Warheads, rocket with bursting charge	1.1F	UN0369	.....	1.1F	.....	None	62	62	None	Forbidden	Forbidden	03	25
	Warheads, torpedo with bursting charge	1.1D	UN0221	.....	1.1D	.....	None	62	62	62	Forbidden	Forbidden	03	25
G	Water-reactive liquid, corrosive, n.o.s	4.3	UN3129	I	4.3, 8	T14, TP2, TP7, TP13	None	201	201	243	Forbidden	1 L	D	13, 148
		4.3, 8		II	4.3, 8	IB1, T11, TP2, TP7	None	202	202	243	1 L	5 L	E	13, 85, 148
		4.3, 8		III	4.3, 8	IB2, T7, TP2, TP7	None	203	203	242	5 L	60 L	E	13, 148
G	Water-reactive liquid, n.o.s	4.3	UN3148	I	4.3	T13, TP2, TP7, TP41, W31	None	201	201	244	Forbidden	1 L	E	13, 40, 148
		4.3		II	4.3	IB1, T7, TP2, TP7, W31	None	202	202	243	1 L	5 L	E	13, 40, 148
		4.3		III	4.3	IB2, T7, TP2, TP7, W31	None	203	203	242	5 L	60 L	E	13, 40, 148
G	Water-reactive liquid, toxic, n.o.s	4.3	UN3130	I	4.3, 6.1	A4	None	201	201	243	Forbidden	1 L	D	13, 148
		4.3, 6.1		II	4.3, 6.1	IB1	None	202	202	243	1 L	5 L	E	13, 85, 148
		4.3, 6.1		III	4.3, 6.1	IB2	None	203	203	242	5 L	60 L	E	13, 85, 148
G	Water-reactive solid, corrosive, n.o.s	4.3	UN3131	I	4.3, 8	IB4, IP1, N40, T9, TP7, TP33, W31	None	211	211	242	Forbidden	15 kg	D	13, 148
		4.3, 8		II	4.3, 8	IB6, IP2, T3, TP33, W31, W40	151	212	212	242	15 kg	50 kg	E	13, 85, 148
		4.3, 8		III	4.3, 8	IB8, IP4, T1, TP33, W31	151	213	213	241	25 kg	100 kg	E	13, 85, 148
G	Water-reactive solid, flammable, n.o.s	4.3	UN3132	I	4.3, 4.1	IB4, N40, W31	None	211	211	242	Forbidden	15 kg	D	13, 148
		4.3, 4.1		II	4.3, 4.1	IB4, T3, TP33, W31, W40	151	212	212	242	15 kg	50 kg	E	13, 148
		4.3, 4.1		III	4.3, 4.1	IB6, T1, TP33, W31	151	213	213	241	25 kg	100 kg	E	13, 148
G	Water-reactive solid, n.o.s	4.3	UN2813	I	4.3	IB4, N40, T9, TP7, TP33, W31	None	211	211	242	Forbidden	15 kg	E	13, 40, 148
		4.3		II	4.3	B132, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	212	242	15 kg	50 kg	E	13, 40, 148
		4.3		III	4.3	B132, IB8, IP21, T1, TP33, W31	151	213	213	241	25 kg	100 kg	E	13, 40, 148
G	Water-reactive, solid, oxidizing, n.o.s	4.3	UN3133	II	4.3, 5.1	.....	None	214	214	214	Forbidden	Forbidden	E	13, 40, 148
		4.3, 5.1		III	4.3, 5.1	.....	None	214	214	214	Forbidden	Forbidden	E	13, 40, 148
G	Water-reactive solid, self-heating, n.o.s	4.3	UN3135	I	4.3, 4.2	N40, W31	None	211	211	242	Forbidden	15 kg	E	13, 148
		4.3, 4.2		II	4.3, 4.2	IB5, IP2, T3, TP33, W31, W40	None	212	212	242	15 kg	50 kg	E	13, 148

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage																																																																																																								
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)																																																																																																							
G	Water-reactive solid, toxic, n.o.s.	4.3	UN3134	III	4.3, 4.2, 6.1	IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	E	13, 148																																																																																																							
														A I W	Wool waste, wet	4.2	UN1306	III	3	149, IB2, T4, TP1, TP8	150	202	5 L	60 L	B	40																																																																																										
																											Xanthates	4.2	UN3342	III	4.2	B1, IB3, T2, TP1	150	203	60 L	220 L	A	40																																																																														
																																							Xenon, compressed	2.2	UN2036	III	4.2	IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	D	40																																																																	
																																																				Xenon, refrigerated liquid (cryogenic liquids)	2.2	UN2591	II	2.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	D	40																																																				
																																																																	Xylenes	3	UN1307	III	3	T75, TP5	307	None	None	500 kg	500 kg	D																																								
																																																																														Xylenols, solid	6.1	UN2261	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B																											
																																																																																											Xylenols, liquid	6.1	UN3430	II	6.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A														
																																																																																																								Xylidines, liquid	6.1	UN1711	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Xylyl bromide, liquid	6.1	UN1701	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A																																																																																																									
													Xylyl bromide, solid	6.1	UN3417	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A																																																																																												
																										p-Xylyl diazide	Forbidden	UN1512	II	6.1	A3, A7, IB2, N33, T7, TP2, TP13, W31	None	340	None	Forbidden	60 L	D	40																																																																														
																																							Zinc ammonium nitrite	5.1	UN1712	II	6.1	A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	None	340	None	25 kg	100 kg	B	40																																																																	
																																																				Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures	6.1	UN1435	III	4.3	IB8, IP4, T3, TP33	153	212	242	5 kg	25 kg	E																																																					
																																																																	Zinc ashes	4.3	UN1435	III	4.3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A																																								
																																																																																			A1, A19, B136, IB8, IP4, T1, TP33, W100	151	213	25 kg	100 kg	A	13, 148																											



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Zirconium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1517	I	4.1	23, N41, W31	None	211	None	1 kg	15 kg	D	28, 36
	Zirconium powder, dry	4.2	UN2008	I	4.2	T21, TP7, TP33, W31	None	211	242	Forbidden	Forbidden	D	13, 148
				II	4.2	A19, A20, IB6, IP2, N5, N84, T3, TP33, W31	None	212	241	15 kg	50 kg	D	13, 148
				III	4.2	B135, IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	D	13, 148
	Zirconium 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	UN1358	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	E	13, 74, 147, 148
	Zirconium scrap	4.2	UN1932	III	4.2	B135, IB8, IP21, N34, T1, TP33, W31	None	213	240	Forbidden	Forbidden	D	13, 148
	Zirconium suspended in a liquid	3	UN1308	I	3		None	201	243	Forbidden	Forbidden	B	
				II	3	IB2	None	202	242	5 L	60 L	B	
				III	3	B1, IB2	None	203	242	60 L	220 L	B	
	Zirconium tetrachloride	8	UN2503	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58

APPENDIX A TO §172.101—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

1. This appendix lists materials and their corresponding reportable quantities (RQ's) that are listed or designated as "hazardous substances" under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601(14) (CERCLA; 42 U.S.C. 9601 *et seq.*). This listing fulfills the requirement of CERCLA, 42 U.S.C. 9656(a), that all "hazardous substances," as defined in 42 U.S.C. 9601(14), be listed and regulated as hazardous materials under 49 U.S.C. 5101-5127. That definition includes substances listed under sections 311(b)(2)(A) and 307(a) of the Federal Water Pollution Control Act, 33 U.S.C. 1321(b)(2)(A) and 1317(a), section 3001 of the Solid Waste Disposal Act, 42 U.S.C. 6921, and section 112 of the Clean Air Act, 42 U.S.C. 7412. In addition, this list contains materials that the Administrator of the Environmental Protection Agency has determined to be hazardous substances in accordance with section 102 of CERCLA, 42 U.S.C. 9602. It should be noted that 42 U.S.C. 9656(b) provides that common and contract carriers may be held liable under laws other than CERCLA for the release of a hazardous substance as defined in that Act, during transportation that commenced before the effective date of the listing and regulating of that substance as a hazardous material under 49 U.S.C. 5101-5127.

2. This appendix is divided into two TABLES which are entitled "TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES" and "TABLE 2—RADIONUCLIDES." A material listed in this appendix is regulated as a hazardous material and a hazardous substance under this subchapter if it meets the definition of a hazardous substance in §171.8 of this subchapter.

3. The procedure for selecting a proper shipping name for a hazardous substance is set forth in §172.101(c).

4. Column 1 of TABLE 1, entitled "*Hazardous substance*", contains the names of those elements and compounds that are hazardous substances. Following the listing of elements and compounds is a listing of waste streams. These waste streams appear on the list in numerical sequence and are referenced by the appropriate "D", "F", or "K" numbers. Column 2 of TABLE 1, entitled "*Reportable quantity (RQ)*", contains the report-

able quantity (RQ), in pounds and kilograms, for each hazardous substance listed in Column 1 of TABLE 1.

5. A series of notes is used throughout TABLE 1 and TABLE 2 to provide additional information concerning certain hazardous substances. These notes are explained at the end of each TABLE.

6. TABLE 2 lists radionuclides that are hazardous substances and their corresponding RQ's. The RQ's in table 2 for radionuclides are expressed in units of curies and terabecquerels, whereas those in table 1 are expressed in units of pounds and kilograms. If a material is listed in both table 1 and table 2, the lower RQ shall apply. Radionuclides are listed in alphabetical order. The RQ's for radionuclides are given in the radiological unit of measure of curie, abbreviated "Ci", followed, in parentheses, by an equivalent unit measured in terabecquerels, abbreviated "TBq".

7. For mixtures of radionuclides, the following requirements shall be used in determining if a package contains an RQ of a hazardous substance: (i) if the identity and quantity (in curies or terabecquerels) of each radionuclide in a mixture or solution is known, the ratio between the quantity per package (in curies or terabecquerels) and the RQ for the radionuclide must be determined for each radionuclide. A package contains an RQ of a hazardous substance when the sum of the ratios for the radionuclides in the mixture or solution is equal to or greater than one; (ii) if the identity of each radionuclide in a mixture or solution is known but the quantity per package (in curies or terabecquerels) of one or more of the radionuclides is unknown, an RQ of a hazardous substance is present in a package when the total quantity (in curies or terabecquerels) of the mixture or solution is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution; and (iii) if the identity of one or more radionuclides in a mixture or solution is unknown (or if the identity of a radionuclide by itself is unknown), an RQ of a hazardous substance is present when the total quantity (in curies or terabecquerels) in a package is equal to or greater than either one curie or the lowest RQ of any known individual radionuclide in the mixture or solution, whichever is lower.

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
A2213 .....	5000 (2270)
Acenaphthene .....	100 (45.4)
Acenaphthylene .....	5000 (2270)
Acetaldehyde .....	1000 (454)
Acetaldehyde, chloro- .....	1000 (454)



TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Acetaldehyde, trichloro- .....	5000 (2270)
Acetamide .....	100 (45.4)
Acetamide, N-(aminothioxomethyl)- .....	1000 (454)
Acetamide, N-(4-ethoxyphenyl)- .....	100 (45.4)
Acetamide, N-9H-fluoren-2-yl- .....	1 (0.454)
Acetamide, 2-fluoro- .....	100 (45.4)
Acetic acid .....	5000 (2270)
Acetic acid, (2,4-dichlorophenoxy)-, salts & esters .....	100 (45.4)
Acetic acid, ethyl ester .....	5000 (2270)
Acetic acid, fluoro-, sodium salt .....	10 (4.54)
Acetic acid, lead(2 + ) salt .....	10 (4.54)
Acetic acid, thallium(1 + ) salt .....	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy)- .....	1000 (454)
Acetic anhydride .....	5000 (2270)
Acetone .....	5000 (2270)
Acetone cyanohydrin .....	10 (4.54)
Acetonitrile .....	5000 (2270)
Acetophenone .....	5000 (2270)
2-Acetylaminofluorene .....	1 (0.454)
Acetyl bromide .....	5000 (2270)
Acetyl chloride .....	5000 (2270)
1-Acetyl-2-thiourea .....	1000 (454)
Acrolein .....	1 (0.454)
Acrylamide .....	5000 (2270)
Acrylic acid .....	5000 (2270)
Acrylonitrile .....	100 (45.4)
Adipic acid .....	5000 (2270)
Aldicarb .....	1 (0.454)
Aldicarb sulfone .....	100 (45.4)
Aldrin .....	1 (0.454)
Allyl alcohol .....	100 (45.4)
Allyl chloride .....	1000 (454)
Aluminum phosphide .....	100 (45.4)
Aluminum sulfate .....	5000 (2270)
4-Aminobiphenyl .....	1 (0.454)
5-(Aminomethyl)-3-isoxazolol .....	1000 (454)
4-Aminopyridine .....	1000 (454)
Amitrole .....	10 (4.54)
Ammonia .....	100 (45.4)
Ammonium acetate .....	5000 (2270)
Ammonium benzoate .....	5000 (2270)
Ammonium bicarbonate .....	5000 (2270)
Ammonium bichromate .....	10 (4.54)
Ammonium bifluoride .....	100 (45.4)
Ammonium bisulfite .....	5000 (2270)
Ammonium carbamate .....	5000 (2270)
Ammonium carbonate .....	5000 (2270)
Ammonium chloride .....	5000 (2270)
Ammonium chromate .....	10 (4.54)
Ammonium citrate, dibasic .....	5000 (2270)
Ammonium dichromate ® .....	10 (4.54)
Ammonium fluoborate .....	5000 (2270)
Ammonium fluoride .....	100 (45.4)
Ammonium hydroxide .....	1000 (454)
Ammonium oxalate .....	5000 (2270)
Ammonium picrate .....	10 (4.54)
Ammonium silicofluoride .....	1000 (454)
Ammonium sulfamate .....	5000 (2270)
Ammonium sulfide .....	100 (45.4)
Ammonium sulfite .....	5000 (2270)
Ammonium tartrate .....	5000 (2270)
Ammonium thiocyanate .....	5000 (2270)
Ammonium vanadate .....	1000 (454)
Amyl acetate .....	5000 (2270)
iso-Amyl acetate.	
sec-Amyl acetate.	
tert-Amyl acetate.	
Aniline .....	5000 (2270)
o-Anisidine .....	100 (45.4)
Anthracene .....	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Antimony $\epsilon$ .....	5000 (2270)
Antimony pentachloride .....	1000 (454)
Antimony potassium tartrate .....	100 (45.4)
Antimony tribromide .....	1000 (454)
Antimony trichloride .....	1000 (454)
Antimony trifluoride .....	1000 (454)
Antimony trioxide .....	1000 (454)
Argentate(1-), bis(cyano-C)-, potassium .....	1 (0.454)
Aroclor 1016 .....	1 (0.454)
Aroclor 1221 .....	1 (0.454)
Aroclor 1232 .....	1 (0.454)
Aroclor 1242 .....	1 (0.454)
Aroclor 1248 .....	1 (0.454)
Aroclor 1254 .....	1 (0.454)
Aroclor 1260 .....	1 (0.454)
Aroclors .....	1 (0.454)
Arsenic $\epsilon$ .....	1 (0.454)
Arsenic acid $H_3AsO_4$ .....	1 (0.454)
Arsenic disulfide .....	1 (0.454)
Arsenic oxide $As_2O_3$ .....	1 (0.454)
Arsenic oxide $As_2O_5$ .....	1 (0.454)
Arsenic pentoxide .....	1 (0.454)
Arsenic trichloride .....	1 (0.454)
Arsenic trioxide .....	1 (0.454)
Arsenic trisulfide .....	1 (0.454)
Arsine, diethyl- .....	1 (0.454)
Arsinic acid, dimethyl- .....	1 (0.454)
Arsonous dichloride, phenyl- .....	1 (0.454)
Asbestos $\epsilon\epsilon$ .....	1 (0.454)
Auramine .....	100 (45.4)
Azaserine .....	1 (0.454)
Aziridine .....	1 (0.454)
Aziridine, 2-methyl- .....	1 (0.454)
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-(1aalpha,8beta,8alpha, 8balpha)]- .....	10 (4.54)
Barban .....	10 (4.54)
Barium cyanide .....	10 (4.54)
Bendiocarb .....	100 (45.4)
Bendiocarb phenol .....	1000 (454)
Benomyl .....	10 (4.54)
Benz[ <i>j</i> ]aceanthrylene, 1,2-dihydro-3-methyl- .....	10 (4.54)
Benz[ <i>c</i> ]acridine .....	100 (45.4)
Benzal chloride .....	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)- .....	5000 (2270)
Benz[ <i>a</i> ]anthracene .....	10 (4.54)
1,2-Benzanthracene .....	10 (4.54)
Benz[ <i>a</i> ]anthracene, 7,12-dimethyl- .....	1 (0.454)
Benzenamine .....	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl- .....	100 (45.4)
Benzenamine, 4-chloro- .....	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride .....	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)- .....	10 (4.54)
Benzenamine, 2-methyl- .....	100 (45.4)
Benzenamine, 4-methyl- .....	100 (45.4)
Benzenamine, 4,4'-methylenebis[2-chloro- .....	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride .....	100 (45.4)
Benzenamine, 2-methyl-5-nitro- .....	100 (45.4)
Benzenamine, 4-nitro- .....	5000 (2270)
Benzene .....	10 (4.54)
Benzenoacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester .....	10 (4.54)
Benzene, 1-bromo-4-phenoxy- .....	100 (45.4)
Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]- .....	10 (4.54)
Benzene, chloro- .....	100 (45.4)
Benzene, (chloromethyl)- .....	100 (45.4)
Benzenediamine, ar-methyl- .....	10 (4.54)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester .....	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester .....	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester .....	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester .....	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester .....	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Benzene, 1,2-dichloro-	100 (45.4)
Benzene, 1,3-dichloro-	100 (45.4)
Benzene, 1,4-dichloro-	100 (45.4)
Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene, (dichloromethyl)-	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	100 (45.4)
Benzene, dimethyl-	100 (45.4)
1,3-Benzenediol	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino) ethyl]-	1000 (454)
Benzeneethanamine, alpha,alpha-dimethyl-	5000 (2270)
Benzene, hexachloro-	10 (4.54)
Benzene, hexahydro-	1000 (454)
Benzene, methyl-	1000 (454)
Benzene, 1-methyl-2,4-dinitro-	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	100 (45.4)
Benzene, (1-methylethyl)-	5000 (2270)
Benzene, nitro-	1000 (454)
Benzene, pentachloro-	10 (4.54)
Benzene, pentachloronitro-	100 (45.4)
Benzenesulfonic acid chloride	100 (45.4)
Benzenesulfonyl chloride	100 (45.4)
Benzene,1,2,4,5-tetrachloro-	5000 (2270)
Benzenethiol	100 (45.4)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	1 (0.454)
Benzene, (trichloromethyl)-	10 (4.54)
Benzene, 1,3,5-trinitro-	10 (4.54)
Benzidine	1 (0.454)
Benzo[a]anthracene	10 (4.54)
1,3-Benzodioxole, 5-(1-propenyl)-1	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)-	100 (45.4)
1,3-Benzodioxole, 5-propyl-	10 (4.54)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-	1000 (454)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	100 (45.4)
Benzo[b]fluoranthene	1 (0.454)
Benzo[k]fluoranthene	5000 (2270)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate	10 (4.54)
Benzoic acid	5000 (2270)
Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo [2,3-b]indol-5-yl methylcarbamate ester (1:1)	100 (45.4)
Benzonitrile	5000 (2270)
Benzo[rs]pentaphene	10 (4.54)
Benzo[ghi]perylene	5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts	100 (45.4)
Benzo[a]pyrene	1 (0.454)
3,4-Benzopyrene	1 (0.454)
p-Benzoquinone	10 (4.54)
Benzotrichloride	10 (4.54)
Benzoyl chloride	1000 (454)
Benzyl chloride	100 (45.4)
Beryllium $\epsilon$	10 (4.54)
Beryllium chloride	1 (0.454)
Beryllium fluoride	1 (0.454)
Beryllium nitrate	1 (0.454)
Beryllium powder $\epsilon$	10 (4.54)
alpha-BHC	10 (4.54)
beta-BHC	1 (0.454)
delta-BHC	1 (0.454)
gamma-BHC	1 (0.454)
2,2'-Bioxirane	10 (4.54)
Biphenyl	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	10 (4.54)
Bis(2-chloroethoxy) methane	1000 (454)
Bis(2-chloroethyl) ether	10 (4.54)
Bis(chloromethyl) ether	10 (4.54)
Bis(2-ethylhexyl) phthalate	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Bromoacetone .....	1000 (454)
Bromoform .....	100 (45.4)
Bromomethane .....	1000 (454)
4-Bromophenyl phenyl ether .....	100 (45.4)
Brucine .....	100 (45.4)
1,3-Butadiene .....	10 (4.54)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro- .....	1 (0.454)
1-Butanamine, N-butyl-N-nitroso- .....	10 (4.54)
1-Butanol .....	5000 (2270)
2-Butanone .....	5000 (2270)
2-Butanone, 3,3-dimethyl-1(methylthio)-, O [(methylamino) carbonyl] oxime .....	100 (45.4)
2-Butanone peroxide .....	10 (4.54)
2-Butenal .....	100 (45.4)
2-Butene, 1,4-dichloro- .....	1 (0.454)
2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy] methyl]-2,3,5,7a-tetrahydro-1H-pyrrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*),7aalpha]-] .....	10 (4.54)
Butyl acetate .....	5000 (2270)
iso-Butyl acetate.	
sec-Butyl acetate.	
tert-Butyl acetate.	
n-Butyl alcohol .....	5000 (2270)
Butylamine .....	1000 (454)
iso-Butylamine.	
sec-Butylamine.	
tert-Butylamine.	
Butyl benzyl phthalate .....	100 (45.4)
n-Butyl phthalate .....	10 (4.54)
Butyric acid .....	5000 (2270)
iso-Butyric acid.	
Cacodylic acid .....	1 (0.454)
Cadmium $\epsilon$ .....	10 (4.54)
Cadmium acetate .....	10 (4.54)
Cadmium bromide .....	10 (4.54)
Cadmium chloride .....	10 (4.54)
Calcium arsenate .....	1 (0.454)
Calcium arsenite .....	1 (0.454)
Calcium carbide .....	10 (4.54)
Calcium chromate .....	10 (4.54)
Calcium cyanamide .....	1000 (454)
Calcium cyanide $\text{Ca}(\text{CN})_2$ .....	10 (4.54)
Calcium dodecylbenzenesulfonate .....	1000 (454)
Calcium hypochlorite .....	10 (4.54)
Captan .....	10 (4.54)
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester .....	10 (4.54)
Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester .....	10 (4.54)
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester .....	10 (4.54)
Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester .....	1000 (454)
Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester .....	1 (0.454)
Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester .....	100 (45.4)
Carbamic acid, ethyl ester .....	100 (45.4)
Carbamic acid, methyl-, 3-methylphenyl ester .....	1000 (454)
Carbamic acid, methylnitroso-, ethyl ester .....	1 (0.454)
Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)] bis-, dimethyl ester .....	10 (4.54)
Carbamic acid, phenyl-, 1-methylethyl ester .....	1000 (454)
Carbamic chloride, dimethyl- .....	1 (0.454)
Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters .....	5000 (2270)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester .....	100 (45.4)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester .....	100 (45.4)
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester .....	5000 (2270)
Carbaryl .....	100 (45.4)
Carbendazim .....	10 (4.54)
Carbofuran .....	10 (4.54)
Carbofuran phenol .....	10 (4.54)
Carbon disulfide .....	100 (45.4)
Carbonic acid, dithallium(1 + ) salt .....	100 (45.4)
Carbonic dichloride .....	10 (4.54)
Carbonic difluoride .....	1000 (454)
Carbonochloridic acid, methyl ester .....	1000 (454)
Carbon oxyfluoride .....	1000 (454)
Carbon tetrachloride .....	10 (4.54)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Carbonyl sulfide .....	100 (45.4)
Carbosulfan .....	1000 (454)
Catechol .....	100 (45.4)
Chloral .....	5000 (2270)
Chloramben .....	100 (45.4)
Chlorambucil .....	10 (4.54)
Chlordane .....	1 (0.454)
Chlordane, alpha & gamma isomers .....	1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES) .....	1 (0.454)
Chlorinated camphene .....	1 (0.454)
Chlorine .....	10 (4.54)
Chlornaphazine .....	100 (45.4)
Chloroacetaldehyde .....	1000 (454)
Chloroacetic acid .....	100 (45.4)
2-Chloroacetophenone .....	100 (45.4)
p-Chloroaniline .....	1000 (454)
Chlorobenzene .....	100 (45.4)
Chlorobenzilate .....	10 (4.54)
p-Chloro-m-cresol .....	5000 (2270)
Chlorodibromomethane .....	100 (45.4)
1-Chloro-2,3-epoxypropane .....	100 (45.4)
Chloroethane .....	100 (45.4)
2-Chloroethyl vinyl ether .....	1000 (454)
Chloroform .....	10 (4.54)
Chloromethane .....	100 (45.4)
Chloromethyl methyl ether .....	10 (4.54)
beta-Chloronaphthalene .....	5000 (2270)
2-Chloronaphthalene .....	5000 (2270)
2-Chlorophenol .....	100 (45.4)
o-Chlorophenol .....	100 (45.4)
4-Chlorophenyl phenyl ether .....	5000 (2270)
1-(o-Chlorophenyl)thiourea .....	100 (45.4)
Chloroprene .....	100 (45.4)
3-Chloropropionitrile .....	1000 (454)
Chlorosulfonic acid .....	1000 (454)
4-Chloro-o-toluidine, hydrochloride .....	100 (45.4)
Chlorpyrifos .....	1 (0.454)
Chromic acetate .....	1000 (454)
Chromic acid .....	10 (4.54)
Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt .....	10 (4.54)
Chromic sulfate .....	1000 (454)
Chromium $\epsilon$ .....	5000 (2270)
Chromous chloride .....	1000 (454)
Chrysene .....	100 (45.4)
Cobaltous bromide .....	1000 (454)
Cobaltous formate .....	1000 (454)
Cobaltous sulfamate .....	1000 (454)
Coke Oven Emissions .....	1 (0.454)
Copper $\epsilon$ .....	5000 (2270)
Copper chloride $\epsilon$ .....	10 (4.54)
Copper cyanide Cu(CN) .....	10 (4.54)
Coumaphos .....	10 (4.54)
Creosote .....	1 (0.454)
Cresol (cresylic acid) .....	100 (45.4)
m-Cresol .....	100 (45.4)
o-Cresol .....	100 (45.4)
p-Cresol .....	100 (45.4)
Cresols (isomers and mixture) .....	100 (45.4)
Cresylic acid (isomers and mixture) .....	100 (45.4)
Crotonaldehyde .....	100 (45.4)
Cumene .....	5000 (2270)
m-Cumenyl methylcarbamate .....	10 (4.54)
Cupric acetate .....	100 (45.4)
Cupric acetoarsenite .....	1 (0.454)
Cupric chloride .....	10 (4.54)
Cupric nitrate .....	100 (45.4)
Cupric oxalate .....	100 (45.4)
Cupric sulfate .....	10 (4.54)
Cupric sulfate, ammoniated .....	100 (45.4)
Cupric tartrate .....	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Cyanides (soluble salts and complexes) not otherwise specified	10 (4.54)
Cyanogen	100 (45.4)
Cyanogen bromide (CN)Br	1000 (454)
Cyanogen chloride (CN)Cl	10 (4.54)
2,5-Cyclohexadiene-1,4-dione	10 (4.54)
Cyclohexane	1000 (454)
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ , 2 $\alpha$ , 3 $\beta$ -, 4 $\alpha$ , 5 $\alpha$ , 6 $\beta$ )	1 (0.454)
Cyclohexanone	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5-hexachloro-	10 (4.54)
Cyclophosphamide	10 (4.54)
2,4-D Acid	100 (45.4)
2,4-D Ester	100 (45.4)
2,4-D, salts and esters	100 (45.4)
Daunomycin	10 (4.54)
DDD	1 (0.454)
4,4'-DDD	1 (0.454)
DDE (72-55-9) #	1 (0.454)
DDE (3547-04-4) #	5000 (2270)
4,4'-DDE	1 (0.454)
DDT	1 (0.454)
4,4'-DDT	1 (0.454)
DEHP	100 (45.4)
Diallate	100 (45.4)
Diazinon	1 (0.454)
Diazomethane	100 (45.4)
Dibenz[a,h]anthracene	1 (0.454)
1,2,5,6-Dibenzanthracene	1 (0.454)
Dibenzo[a,h]anthracene	1 (0.454)
Dibenzofuran	100 (45.4)
Dibenzo[a,i]pyrene	10 (4.54)
1,2-Dibromo-3-chloropropane	1 (0.454)
Dibromoethane	1 (0.454)
Dibutyl phthalate	10 (4.54)
Di-n-butyl phthalate	10 (4.54)
Dicamba	1000 (454)
Dichlobenil	100 (45.4)
Dichlone	1 (0.454)
Dichlorobenzene	100 (45.4)
1,2-Dichlorobenzene	100 (45.4)
1,3-Dichlorobenzene	100 (45.4)
1,4-Dichlorobenzene	100 (45.4)
m-Dichlorobenzene	100 (45.4)
o-Dichlorobenzene	100 (45.4)
p-Dichlorobenzene	100 (45.4)
3,3'-Dichlorobenzidine	1 (0.454)
Dichlorobromomethane	5000 (2270)
1,4-Dichloro-2-butene	1 (0.454)
Dichlorodifluoromethane	5000 (2270)
1,1-Dichloroethane	1000 (454)
1,2-Dichloroethane	100 (45.4)
1,1-Dichloroethylene	100 (45.4)
1,2-Dichloroethylene	1000 (454)
Dichloroethyl ether	10 (4.54)
Dichloroisopropyl ether	1000 (454)
Dichloromethane	1000 (454)
Dichloromethoxyethane	1000 (454)
Dichloromethyl ether	10 (4.54)
2,4-Dichlorophenol	100 (45.4)
2,6-Dichlorophenol	100 (45.4)
Dichlorophenylarsine	1 (0.454)
Dichloropropane	1000 (454)
1,1-Dichloropropane.	
1,3-Dichloropropane.	
1,2-Dichloropropane	1000 (454)
Dichloropropane-Dichloropropene (mixture)	100 (45.4)
Dichloropropene	100 (45.4)
2,3-Dichloropropene.	
1,3-Dichloropropene	100 (45.4)
2,2-Dichloropropionic acid	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Dichlorvos	10 (4.54)
Dicofol	10 (4.54)
Dieldrin	1 (0.454)
1,2:3,4-Diepoxybutane	10 (4.54)
Diethanolamine	100 (45.4)
Diethylamine	100 (45.4)
N,N-Diethylaniline	1000 (454)
Diethylarsine	1 (0.454)
Diethylene glycol, dicarbamate	5000 (2270)
1,4-Diethyleneoxide	100 (45.4)
Diethylhexyl phthalate	100 (45.4)
N,N'-Diethylhydrazine	10 (4.54)
O,O-Diethyl S-methyl dithiophosphate	5000 (2270)
Diethyl-p-nitrophenyl phosphate	100 (45.4)
Diethyl phthalate	1000 (454)
O,O-Diethyl O-pyrazinyl phosphorothioate	100 (45.4)
Diethylstilbestrol	1 (0.454)
Diethyl sulfate	10 (4.54)
Dihydrosafrole	10 (4.54)
Diisopropylfluorophosphate (DFP)	100 (45.4)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4beta, 5alpha, 8alpha, 8beta)-	1 (0.454)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4beta, 5beta, 8beta, 8beta)-1 (0.454)	1 (0.454)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-	1 (0.454)
2,7:3,6-Dimethanonaphth[2, 3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)-, & metabolites	1 (0.454)
Dimethoate	10 (4.54)
3,3'-Dimethoxybenzidine	100 (45.4)
Dimethylamine	1000 (454)
Dimethyl aminoazobenzene	10 (4.54)
p-Dimethylaminoazobenzene	10 (4.54)
N,N-Dimethylaniline	100 (45.4)
7,12-Dimethylbenz[a]anthracene	1 (0.454)
3,3'-Dimethylbenzidine	10 (4.54)
alpha, alpha-Dimethylbenzylhydroperoxide	10 (4.54)
Dimethylcarbomoyl chloride	1 (0.454)
Dimethylformamide	100 (45.4)
1,1-Dimethylhydrazine	10 (4.54)
1,2-Dimethylhydrazine	1 (0.454)
Dimethylhydrazine, unsymmetrical®	10 (4.54)
alpha, alpha-Dimethylphenethylamine	5000 (2270)
2,4-Dimethylphenol	100 (45.4)
Dimethyl phthalate	5000 (2270)
Dimethyl sulfate	100 (45.4)
Dimetilan	1 (0.454)
Dinitrobenzene (mixed)	100 (45.4)
m-Dinitrobenzene.	
o-Dinitrobenzene.	
p-Dinitrobenzene.	
4,6-Dinitro-o-cresol, and salts	10 (4.54)
Dinitrogen tetroxide®	10 (4.54)
Dinitrophenol	10 (4.54)
2,5-Dinitrophenol.	
2,6-Dinitrophenol.	
2,4-Dinitrophenol	10 (4.54)
Dinitrotoluene	10 (4.54)
3,4-Dinitrotoluene.	
2,4-Dinitrotoluene	10 (4.54)
2,6-Dinitrotoluene	100 (45.4)
Dinoseb	1000 (454)
Di-n-octyl phthalate	5000 (2270)
1,4-Dioxane	100 (45.4)
1,2-Diphenylhydrazine	10 (4.54)
Diphosphoramidate, octamethyl-	100 (45.4)
Diphosphoric acid, tetraethyl ester	10 (4.54)
Dipropylamine	5000 (2270)
Di-n-propylnitrosamine	10 (4.54)
Diquat	1000 (454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Disulfoton .....	1 (0.454)
Dithiobiuret .....	100 (45.4)
1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime .....	100 (45.4)
Diuron .....	100 (45.4)
Dodecylbenzenesulfonic acid .....	1000 (454)
Endosulfan .....	1 (0.454)
alpha-Endosulfan .....	1 (0.454)
beta-Endosulfan .....	1 (0.454)
Endosulfan sulfate .....	1 (0.454)
Endothall .....	1000 (454)
Endrin .....	1 (0.454)
Endrin aldehyde .....	1 (0.454)
Endrin, & metabolites .....	1 (0.454)
Epichlorohydrin .....	100 (45.4)
Epinephrine .....	1000 (454)
1,2-Epoxybutane .....	100 (45.4)
Ethanal .....	1000 (454)
Ethanamine, N,N-diethyl- .....	5000 (2270)
Ethanamine, N-ethyl-N-nitroso- .....	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)- .....	5000 (2270)
Ethane, 1,2-dibromo- .....	1 (0.454)
Ethane, 1,1-dichloro- .....	1000 (454)
Ethane, 1,2-dichloro- .....	100 (45.4)
Ethanedinitrile .....	100 (45.4)
Ethane, hexachloro- .....	100 (45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro- .....	1000 (454)
Ethane, 1,1'-oxybis- .....	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro- .....	10 (4.54)
Ethane, pentachloro- .....	10 (4.54)
Ethane, 1,1,1,2-tetrachloro- .....	100 (45.4)
Ethane, 1,1,2,2-tetrachloro- .....	100 (45.4)
Ethanethioamide .....	10 (4.54)
Ethane, 1,1,1-trichloro- .....	1000 (454)
Ethane, 1,1,2-trichloro- .....	100 (45.4)
Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester .....	5000 (2270)
Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester .....	100 (45.4)
Ethanimidothioic acid, N-[[[(methylamino) carbonyl]oxy]-, methyl ester .....	100 (45.4)
Ethanimidothioic acid, N,N'[thiobis[(methylimino)carbonyloxy]] bis-, dimethyl ester .....	100 (45.4)
Ethanol, 2-ethoxy- .....	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis- .....	1 (0.454)
Ethanol, 2,2'-oxybis-, dicarbamate .....	5000 (2270)
Ethanone, 1-phenyl- .....	5000 (2270)
Ethene, chloro- .....	1 (0.454)
Ethene, (2-chloroethoxy)- .....	1000 (454)
Ethene, 1,1-dichloro- .....	100 (45.4)
Ethene, 1,2-dichloro-(E) .....	1000 (454)
Ethene, tetrachloro- .....	100 (45.4)
Ethene, trichloro- .....	100 (45.4)
Ethion .....	10 (4.54)
Ethyl acetate .....	5000 (2270)
Ethyl acrylate .....	1000 (454)
Ethylbenzene .....	1000 (454)
Ethyl carbamate .....	100 (45.4)
Ethyl chloride .....	100 (45.4)
Ethyl cyanide .....	10 (4.54)
Ethylenedisithiocarbamic acid, salts & esters .....	5000 (2270)
Ethylenediamine .....	5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA) .....	5000 (2270)
Ethylene dibromide .....	1 (0.454)
Ethylene dichloride .....	100 (45.4)
Ethylene glycol .....	5000 (2270)
Ethylene glycol monoethyl ether .....	1000 (454)
Ethylene oxide .....	10 (4.54)
Ethylenethiourea .....	10 (4.54)
Ethylenimine .....	1 (0.454)
Ethyl ether .....	100 (45.4)
Ethylidene dichloride .....	1000 (454)
Ethyl methacrylate .....	1000 (454)
Ethyl methanesulfonate .....	1 (0.454)
Ethyl methyl ketone® .....	5000 (2270)



TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Famphur	1000 (454)
Ferric ammonium citrate	1000 (454)
Ferric ammonium oxalate	1000 (454)
Ferric chloride	1000 (454)
Ferric fluoride	100 (45.4)
Ferric nitrate	1000 (454)
Ferric sulfate	1000 (454)
Ferrous ammonium sulfate	1000 (454)
Ferrous chloride	100 (45.4)
Ferrous sulfate	1000 (454)
Fluoranthene	100 (45.4)
Fluorene	5000 (2270)
Fluorine	10 (4.54)
Fluoroacetamide	100 (45.4)
Fluoroacetic acid, sodium salt	10 (4.54)
Formaldehyde	100 (45.4)
Formetanate hydrochloride	100 (45.4)
Formic acid	5000 (2270)
Formparanate	100 (45.4)
Fulminic acid, mercury(2 + )salt	10 (4.54)
Fumaric acid	5000 (2270)
Furan	100 (45.4)
2-Furancarboxyaldehyde	5000 (2270)
2,5-Furandione	5000 (2270)
Furan, tetrahydro-	1000 (454)
Furfural	5000 (2270)
Furfuran	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-	1 (0.454)
D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]-	1 (0.454)
Glycidylaldehyde	10 (4.54)
Guanidine, N-methyl-N'-nitro-N-nitroso-	10 (4.54)
Guthion	1 (0.454)
Heptachlor	1 (0.454)
Heptachlor epoxide	1 (0.454)
Hexachlorobenzene	10 (4.54)
Hexachlorobutadiene	1 (0.454)
Hexachlorocyclopentadiene	10 (4.54)
Hexachloroethane	100 (45.4)
Hexachlorophene	100 (45.4)
Hexachloropropene	1000 (454)
Hexaethyl tetraphosphate	100 (45.4)
Hexamethylene-1,6-diisocyanate	100 (45.4)
Hexamethylphosphoramide	1 (0.454)
Hexane	5000 (2270)
Hexone	5000 (2270)
Hydrazine	1 (0.454)
Hydrazinecarbothioamide	100 (45.4)
Hydrazine, 1,2-diethyl-	10 (4.54)
Hydrazine, 1,1-dimethyl-	10 (4.54)
Hydrazine, 1,2-dimethyl-	1 (0.454)
Hydrazine, 1,2-diphenyl-	10 (4.54)
Hydrazine, methyl-	10 (4.54)
Hydrochloric acid	5000 (2270)
Hydrocyanic acid	10 (4.54)
Hydrofluoric acid	100 (45.4)
Hydrogen chloride	5000 (2270)
Hydrogen cyanide	10 (4.54)
Hydrogen fluoride	100 (45.4)
Hydrogen phosphide	100 (45.4)
Hydrogen sulfide H2S	100 (45.4)
Hydroperoxide, 1-methyl-1-phenylethyl-	10 (4.54)
Hydroquinone	100 (45.4)
2-Imidazolidinethione	10 (4.54)
Indeno(1,2,3-cd)pyrene	100 (45.4)
Iodomethane	100 (45.4)
1,3-Isobenzofurandione	5000 (2270)
Isobutyl alcohol	5000 (2270)
Isodrin	1 (0.454)
Isolan	100 (45.4)
Isophorone	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Isoprene .....	100 (45.4)
Isopropanolamine dodecylbenzenesulfonate .....	1000 (454)
3-Isopropylphenyl N-methylcarbamate .....	10 (4.54)
Isosafrole .....	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)- .....	1000 (454)
Kepone .....	1 (0.454)
Lasiocarpine .....	10 (4.54)
Lead .....	10 (4.54)
Lead acetate .....	10 (4.54)
Lead arsenate .....	1 (0.454)
Lead, bis(acetato-O)tetrahydroxytri- .....	10 (4.54)
Lead chloride .....	10 (4.54)
Lead fluoborate .....	10 (4.54)
Lead fluoride .....	10 (4.54)
Lead iodide .....	10 (4.54)
Lead nitrate .....	10 (4.54)
Lead phosphate .....	10 (4.54)
Lead stearate .....	10 (4.54)
Lead subacetate .....	10 (4.54)
Lead sulfate .....	10 (4.54)
Lead sulfide .....	10 (4.54)
Lead thiocyanate .....	10 (4.54)
Lindane .....	1 (0.454)
Lindane (all isomers) .....	1 (0.454)
Lithium chromate .....	10 (4.54)
Malathion .....	100 (45.4)
Maleic acid .....	5000 (2270)
Maleic anhydride .....	5000 (2270)
Maleic hydrazide .....	5000 (2270)
Malononitrile .....	1000 (454)
Manganese, bis(dimethylcarbamodithioato-S,S')- .....	10 (4.54)
Manganese dimethylthiocarbamate .....	10 (4.54)
MDI .....	5000 (2270)
MEK .....	5000 (2270)
Melphalan .....	1 (0.454)
Mercaptodimethur .....	10 (4.54)
Mercuric cyanide .....	1 (0.454)
Mercuric nitrate .....	10 (4.54)
Mercuric sulfate .....	10 (4.54)
Mercuric thiocyanate .....	10 (4.54)
Mercurous nitrate .....	10 (4.54)
Mercury .....	1 (0.454)
Mercury, (acetato-O)phenyl- .....	100 (45.4)
Mercury fulminate .....	10 (4.54)
Methacrylonitrile .....	1000 (454)
Methanamine, N-methyl- .....	1000 (454)
Methanamine, N-methyl-N-nitroso- .....	10 (4.54)
Methane, bromo- .....	1000 (454)
Methane, chloro- .....	100 (45.4)
Methane, chloromethoxy- .....	10 (4.54)
Methane, dibromo- .....	1000 (454)
Methane, dichloro- .....	1000 (454)
Methane, dichlorodifluoro- .....	5000 (2270)
Methane, iodo- .....	100 (45.4)
Methane, isocyanato- .....	10 (4.54)
Methane, oxybis(chloro- .....	10 (4.54)
Methanesulfonyl chloride, trichloro- .....	100 (45.4)
Methanesulfonic acid, ethyl ester .....	1 (0.454)
Methane, tetrachloro- .....	10 (4.54)
Methane, tetranitro- .....	10 (4.54)
Methanethiol .....	100 (45.4)
Methane, tribromo- .....	100 (45.4)
Methane, trichloro- .....	10 (4.54)
Methane, trichlorofluoro- .....	5000 (2270)
Methanimidamide, N,N-dimethyl-N'-[3-[(methylamino) carbonyl] oxy] .....	
phenyl]-, monohydrochloride .....	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[(methylamino) carbonyl] oxy]phenyl]- .....	100 (45.4)
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)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- .....	1 (0.454)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- .....	1 (0.454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Methanol	5000 (2270)
Methapyrilene	5000 (2270)
1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	1 (0.454)
Methiocarb	10 (4.54)
Methomyl	100 (45.4)
Methoxychlor	1 (0.454)
Methyl alcohol	5000 (2270)
Methylamine	100 (45.4)
2-Methyl aziridine	1 (0.454)
Methyl bromide	1000 (454)
1-Methylbutadiene	100 (45.4)
Methyl chloride	100 (45.4)
Methyl chlorocarbonate	1000 (454)
Methyl chloroform	1000 (454)
Methyl chloroformate	1000 (454)
Methyl chloromethyl ether	10 (4.54)
3-Methylcholanthrene	10 (4.54)
4,4'-Methylenebis(2-chloroaniline)	10 (4.54)
Methylene bromide	1000 (454)
Methylene chloride	1000 (454)
4,4'-Methylenedianiline	10 (4.54)
Methylene diphenyl diisocyanate	5000 (2270)
Methyl ethyl ketone	5000 (2270)
Methyl ethyl ketone peroxide	10 (4.54)
Methyl hydrazine	10 (4.54)
Methyl iodide	100 (45.4)
Methyl isobutyl ketone	5000 (2270)
Methyl isocyanate	10 (4.54)
2-Methylacetonitrile	10 (4.54)
Methyl mercaptan	100 (45.4)
Methyl methacrylate	1000 (454)
Methyl parathion	100 (45.4)
4-Methyl-2-pentanone	5000 (2270)
Methyl tert-butyl ether	1000 (454)
Methylthiouracil	10 (4.54)
Metolcarb	1000 (454)
Mevinphos	10 (4.54)
Mexacarbate	1000 (454)
Mitomycin C	10 (4.54)
MNNG	10 (4.54)
Monoethylamine	100 (45.4)
Monomethylamine	100 (45.4)
Naled	10 (4.54)
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 (4.54)
1-Naphthalenamine	100 (45.4)
2-Naphthalenamine	10 (4.54)
Naphthalenamine, N,N'-bis(2-chloroethyl)-	100 (45.4)
Naphthalene	100 (45.4)
Naphthalene, 2-chloro-	5000 (2270)
1,4-Naphthalenedione	5000 (2270)
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 (4.54)
1-Naphthalenol, methylcarbamate	100 (45.4)
Naphthenic acid	100 (45.4)
1,4-Naphthoquinone	5000 (2270)
alpha-Naphthylamine	100 (45.4)
beta-Naphthylamine	10 (4.54)
alpha-Naphthylthiourea	100 (45.4)
Nickel	100 (45.4)
Nickel ammonium sulfate	100 (45.4)
Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)	10 (4.54)
Nickel chloride	100 (45.4)
Nickel cyanide Ni(CN) <sub>2</sub>	10 (4.54)
Nickel hydroxide	10 (4.54)
Nickel nitrate	100 (45.4)
Nickel sulfate	100 (45.4)
Nicotine, & salts	100 (45.4)
Nitric acid	1000 (454)
Nitric acid, thallium (1 + ) salt	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Nitric oxide .....	10 (4.54)
p-Nitroaniline .....	5000 (2270)
Nitrobenzene .....	1000 (454)
4-Nitrobiphenyl .....	10 (4.54)
Nitrogen dioxide .....	10 (4.54)
Nitrogen oxide NO .....	10 (4.54)
Nitrogen oxide NO <sub>2</sub> .....	10 (4.54)
Nitroglycerine .....	10 (4.54)
Nitrophenol (mixed) .....	100 (45.4)
m-Nitrophenol .....	
o-Nitrophenol .....	100 (45.4)
p-Nitrophenol .....	100 (45.4)
2-Nitrophenol .....	100 (45.4)
4-Nitrophenol .....	100 (45.4)
2-Nitropropane .....	10 (4.54)
N-Nitrosodi-n-butylamine .....	10 (4.54)
N-Nitrosodiethanolamine .....	1 (0.454)
N-Nitrosodiethylamine .....	1 (0.454)
N-Nitrosodimethylamine .....	10 (4.54)
N-Nitrosodiphenylamine .....	100 (45.4)
N-Nitroso-N-ethylurea .....	1 (0.454)
N-Nitroso-N-methylurea .....	1 (0.454)
N-Nitroso-N-methylurethane .....	1 (0.454)
N-Nitrosomethylvinylamine .....	10 (4.54)
N-Nitrosomorpholine .....	1 (0.454)
N-Nitrosopiperidine .....	10 (4.54)
N-Nitrosopyrrolidine .....	1 (0.454)
Nitrotoluene .....	1000 (454)
m-Nitrotoluene .....	
o-Nitrotoluene .....	
p-Nitrotoluene .....	
5-Nitro-o-toluidine .....	100 (45.4)
Octamethylpyrophosphoramidate .....	100 (45.4)
Osmium oxide OsO <sub>4</sub> , (T-4) .....	1000 (454)
Osmium tetroxide .....	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid .....	1000 (454)
Oxamyl .....	100 (45.4)
1,2-Oxathiolane, 2,2-dioxide .....	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide .....	10 (4.54)
Oxirane .....	10 (4.54)
Oxiranecarboxyaldehyde .....	10 (4.54)
Oxirane, (chloromethyl)- .....	100 (45.4)
Paraformaldehyde .....	1000 (454)
Paraldehyde .....	1000 (454)
Parathion .....	10 (4.54)
PCBs .....	1 (0.454)
PCNB .....	100 (45.4)
Pentachlorobenzene .....	10 (4.54)
Pentachloroethane .....	10 (4.54)
Pentachloronitrobenzene .....	100 (45.4)
Pentachlorophenol .....	10 (4.54)
1,3-Pentadiene .....	100 (45.4)
Perchloroethylene .....	100 (45.4)
Perchloromethyl mercaptan <sup>®</sup> .....	100 (45.4)
Phenacetin .....	100 (45.4)
Phenanthrene .....	5000 (2270)
Phenol .....	1000 (454)
Phenol, 2-chloro- .....	100 (45.4)
Phenol, 4-chloro-3-methyl- .....	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro- .....	100 (45.4)
Phenol, 2,4-dichloro- .....	100 (45.4)
Phenol, 2,6-dichloro- .....	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E) .....	1 (0.454)
Phenol, 2,4-dimethyl- .....	100 (45.4)
Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester) .....	1000 (454)
Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate .....	10 (4.54)
Phenol, 2,4-dinitro- .....	10 (4.54)
Phenol, methyl- .....	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-, & salts .....	10 (4.54)
Phenol, 2,2'-methylenebis[3,4,6-trichloro- .....	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Phenol, 2-(1-methylethoxy)-, methylcarbamate	100 (45.4)
Phenol, 3-(1-methylethyl)-, methyl carbamate	10 (4.54)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate	1000 (454)
Phenol, 2-(1-methylpropyl)-4,6-dinitro	1000 (454)
Phenol, 4-nitro	100 (45.4)
Phenol, pentachloro-	10 (4.54)
Phenol, 2,3,4,6-tetrachloro-	10 (4.54)
Phenol, 2,4,5-trichloro-	10 (4.54)
Phenol, 2,4,6-trichloro-	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt	10 (4.54)
L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	1 (0.454)
p-Phenylenediamine	5000 (2270)
Phenyl mercaptan <sup>®</sup>	100 (45.4)
Phenylmercury acetate	100 (45.4)
Phenylthiourea	100 (45.4)
Phorate	10 (4.54)
Phosgene	10 (4.54)
Phosphine	100 (45.4)
Phosphoric acid	5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester	100 (45.4)
Phosphoric acid, lead(2 + ) salt (2:3)	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)methyl] ester	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	10 (4.54)
Phosphorofluoric acid, bis(1-methylethyl) ester	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	10 (4.54)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	100 (45.4)
Phosphorothioic acid, O-[4-[(dimethylamino) sulfonyl]phenyl] O,O-dimethyl ester	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	100 (45.4)
Phosphorus	1 (0.454)
Phosphorus oxychloride	1000 (454)
Phosphorus pentasulfide	100 (45.4)
Phosphorus sulfide	100 (45.4)
Phosphorus trichloride	1000 (454)
Phthalic anhydride	5000 (2270)
Physostigmine	100 (45.4)
Physostigmine salicylate	100 (45.4)
2-Picoline	5000 (2270)
Piperidine, 1-nitroso-	10 (4.54)
Plumbane, tetraethyl-	10 (4.54)
POLYCHLORINATED BIPHENYLS	1 (0.454)
Potassium arsenate	1 (0.454)
Potassium arsenite	1 (0.454)
Potassium bichromate	10 (4.54)
Potassium chromate	10 (4.54)
Potassium cyanide K(CN)	10 (4.54)
Potassium hydroxide	1000 (454)
Potassium permanganate	100 (45.4)
Potassium silver cyanide	1 (0.454)
Promecarb	1000 (454)
Pronamide	5000 (2270)
Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime	100 (45.4)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl] oxime	1 (0.454)
1-Propanamine	5000 (2270)
1-Propanamine, N-propyl-	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	10 (4.54)
Propane, 1,2-dibromo-3-chloro-	1 (0.454)
Propane, 1,2-dichloro-	1000 (454)
Propanedinitrile	1000 (454)
Propanenitrile	10 (4.54)
Propanenitrile, 3-chloro-	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54)
Propane, 2-nitro-	10 (4.54)
Propane, 2,2'-oxybis[2-chloro-	1000 (454)
1,3-Propane sultone	10 (4.54)
1,2,3-Propanetriol, trinitrate	10 (4.54)
Propanoic acid, 2-(2,4,5-trichlorophenoxy)-	100 (45.4)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	10 (4.54)
1-Propanol, 2-methyl-	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2-Propanone	5000 (2270)
2-Propanone, 1-bromo-	1000 (454)
Propargite	10 (4.54)
Propargyl alcohol	1000 (454)
2-Propenal	1 (0.454)
2-Propenamide	5000 (2270)
1-Propene, 1,3-dichloro-	100 (45.4)
1-Propene, 1,1,2,3,3,3-hexachloro-	1000 (454)
2-Propenenitrile	100 (45.4)
2-Propenenitrile, 2-methyl-	1000 (454)
2-Propenoic acid	5000 (2270)
2-Propenoic acid, ethyl ester	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	1000 (454)
2-Propen-1-ol	100 (45.4)
Propham	1000 (454)
beta-Propiolactone	10 (4.54)
Propionaldehyde	1000 (454)
Propionic acid	5000 (2270)
Propionic anhydride	5000 (2270)
Propoxur (Baygon)	100 (45.4)
n-Propylamine	5000 (2270)
Propylene dichloride	1000 (454)
Propylene oxide	100 (45.4)
1,2-Propylenimine	1 (0.454)
2-Propyn-1-ol	1000 (454)
Prosulfocarb	5000 (2270)
Pyrene	5000 (2270)
Pyrethrins	1 (0.454)
3,6-Pyridazinedione, 1,2-dihydro-	5000 (2270)
4-Pyridinamine	1000 (454)
Pyridine	1000 (454)
Pyridine, 2-methyl-	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	10 (4.54)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	10 (4.54)
Pyrrolidine, 1-nitroso-	1 (0.454)
Pyrrolo[2,3-b] indol-5-ol,1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-	100 (45.4)
Quinoline	5000 (2270)
Quinone	10 (4.54)
Quintobenzene	100 (45.4)
RADIONUCLIDES	See Table 2
Reserpine	5000 (2270)
Resorcinol	5000 (2270)
Safrole	100 (45.4)
Selenious acid	10 (4.54)
Selenious acid, dithallium (1 + ) salt	1000 (454)
Selenium e	100 (45.4)
Selenium dioxide	10 (4.54)
Selenium oxide	10 (4.54)
Selenium sulfide SeS2	10 (4.54)
Selenourea	1000 (454)
L-Serine, diazoacetate (ester)	1 (0.454)
Silver e	1000 (454)
Silver cyanide Ag(CN)	1 (0.454)
Silver nitrate	1 (0.454)
Silvex (2,4,5-TP)	100 (45.4)
Sodium	10 (4.54)
Sodium arsenate	1 (0.454)
Sodium arsenite	1 (0.454)
Sodium azide	1000 (454)
Sodium bichromate	10 (4.54)
Sodium bifluoride	100 (45.4)
Sodium bisulfite	5000 (2270)
Sodium chromate	10 (4.54)
Sodium cyanide Na(CN)	10 (4.54)
Sodium dodecylbenzenesulfonate	1000 (454)
Sodium fluoride	1000 (454)
Sodium hydrosulfide	5000 (2270)
Sodium hydroxide	1000 (454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Sodium hypochlorite .....	100 (45.4)
Sodium methylate .....	1000 (454)
Sodium nitrite .....	100 (45.4)
Sodium phosphate, dibasic .....	5000 (2270)
Sodium phosphate, tribasic .....	5000 (2270)
Sodium selenite .....	100 (45.4)
Streptozotocin .....	1 (0.454)
Strontium chromate .....	10 (4.54)
Strychnidin-10-one, & salts .....	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy- .....	100 (45.4)
Strychnine, & salts .....	10 (4.54)
Styrene .....	1000 (454)
Styrene oxide .....	100 (45.4)
Sulfur chlorides® .....	1000 (454)
Sulfuric acid .....	1000 (454)
Sulfuric acid, dimethyl ester .....	100 (45.4)
Sulfuric acid, dithallium (1 + ) salt .....	100 (45.4)
Sulfur monochloride .....	1000 (454)
Sulfur phosphide .....	100 (45.4)
2,4,5-T .....	1000 (454)
2,4,5-T acid .....	1000 (454)
2,4,5-T amines .....	5000 (2270)
2,4,5-T esters .....	1000 (454)
2,4,5-T salts .....	1000 (454)
TCDD .....	1 (0.454)
TDE .....	1 (0.454)
1,2,4,5-Tetrachlorobenzene .....	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin .....	1 (0.454)
1,1,1,2-Tetrachloroethane .....	100 (45.4)
1,1,2,2-Tetrachloroethane .....	100 (45.4)
Tetrachloroethylene .....	100 (45.4)
2,3,4,6-Tetrachlorophenol .....	10 (4.54)
Tetraethyl pyrophosphate .....	10 (4.54)
Tetraethyl lead .....	10 (4.54)
Tetraethyldithiopyrophosphate .....	100 (45.4)
Tetrahydrofuran .....	1000 (454)
Tetranitromethane .....	10 (4.54)
Tetraphosphoric acid, hexaethyl ester .....	100 (45.4)
Thallic oxide .....	100 (45.4)
Thallium e .....	1000 (454)
Thallium (I) acetate .....	100 (45.4)
Thallium (I) carbonate .....	100 (45.4)
Thallium chloride TlCl .....	100 (45.4)
Thallium (I) nitrate .....	100 (45.4)
Thallium oxide Tl <sub>2</sub> O <sub>3</sub> .....	100 (45.4)
Thallium (I) selenite .....	1000 (454)
Thallium (I) sulfate .....	100 (45.4)
Thioacetamide .....	10 (4.54)
Thiodicarb .....	100 (45.4)
Thiodiphosphoric acid, tetraethyl ester .....	100 (45.4)
Thiofanox .....	100 (45.4)
Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH .....	100 (45.4)
Thiomethanol .....	100 (45.4)
Thioperoxydicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> S <sub>2</sub> , tetramethyl- .....	10 (4.54)
Thiophanate-methyl .....	10 (4.54)
Thiophenol .....	100 (45.4)
Thiosemicarbazide .....	100 (45.4)
Thiourea .....	10 (4.54)
Thiourea, (2-chlorophenyl)- .....	100 (45.4)
Thiourea, 1-naphthalenyl- .....	100 (45.4)
Thiourea, phenyl- .....	100 (45.4)
Thiram .....	10 (4.54)
Tirpate .....	100 (45.4)
Titanium tetrachloride .....	1000 (454)
Toluene .....	1000 (454)
Toluenediamine .....	10 (4.54)
2,4-Toluene diamine .....	10 (4.54)
Toluene diisocyanate .....	100 (45.4)
2,4-Toluene diisocyanate .....	100 (45.4)
o-Toluidine .....	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
p-Toluidine .....	100 (45.4)
o-Toluidine hydrochloride .....	100 (45.4)
Toxaphene .....	1 (0.454)
2,4,5-TP acid .....	100 (45.4)
2,4,5-TP esters .....	100 (45.4)
Triallate .....	100 (45.4)
1H-1,2,4-Triazol-3-amine .....	10 (4.54)
Trichlorfon .....	100 (45.4)
1,2,4-Trichlorobenzene .....	100 (45.4)
1,1,1-Trichloroethane .....	1000 (454)
1,1,2-Trichloroethane .....	100 (45.4)
Trichloroethylene .....	100 (45.4)
Trichloromethanesulfonyl chloride .....	100 (45.4)
Trichloromonofluoromethane .....	5000 (2270)
Trichlorophenol .....	10 (4.54)
2,3,4-Trichlorophenol .....	
2,3,5-Trichlorophenol .....	
2,3,6-Trichlorophenol .....	
3,4,5-Trichlorophenol .....	
2,4,5-Trichlorophenol .....	10 (4.54)
2,4,6-Trichlorophenol .....	10 (4.54)
Triethanolamine dodecylbenzenesulfonate .....	1000 (454)
Triethylamine .....	5000 (2270)
Trifluralin .....	10 (4.54)
Trimethylamine .....	100 (45.4)
2,2,4-Trimethylpentane .....	1000 (454)
1,3,5-Trinitrobenzene .....	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl- .....	1000 (454)
Tris(2,3-dibromopropyl) phosphate .....	10 (4.54)
Trypan blue .....	10 (4.54)
D002 Unlisted Hazardous Wastes Characteristic of Corrosivity .....	100 (45.4)
D001 Unlisted Hazardous Wastes Characteristic of Ignitability .....	100 (45.4)
D003 Unlisted Hazardous Wastes Characteristic of Reactivity .....	100 (45.4)
D004–D043 Unlisted Hazardous Wastes Characteristic of Toxicity:	
Arsenic (D004) .....	1 (0.454)
Barium (D005) .....	1000 (454)
Benzene (D018) .....	10 (4.54)
Cadmium (D006) .....	10 (4.54)
Carbon tetrachloride (D019) .....	10 (4.54)
Chlordane (D020) .....	1 (0.454)
Chlorobenzene (D021) .....	100 (45.4)
Chloroform (D022) .....	10 (4.54)
Chromium (D007) .....	10 (4.54)
o-Cresol (D023) .....	100 (45.4)
m-Cresol (D024) .....	100 (45.4)
p-Cresol (D025) .....	100 (45.4)
Cresol (D026) .....	100 (45.4)
2,4-D (D016) .....	100 (45.4)
1,4-Dichlorobenzene (D027) .....	100 (45.4)
1,2-Dichloroethane (D028) .....	100 (45.4)
1,1-Dichloroethylene (D029) .....	100 (45.4)
2,4-Dinitrotoluene (D030) .....	10 (4.54)
Endrin (D012) .....	1 (0.454)
Heptachlor (and epoxide) (D031) .....	1 (0.454)
Hexachlorobenzene (D032) .....	10 (4.54)
Hexachlorobutadiene (D033) .....	1 (0.454)
Hexachloroethane (D034) .....	100 (45.4)
Lead (D008) .....	10 (4.54)
Lindane (D013) .....	1 (0.454)
Mercury (D009) .....	1 (0.454)
Methoxychlor (D014) .....	1 (0.454)
Methyl ethyl ketone (D035) .....	5000 (2270)
Nitrobenzene (D036) .....	1000 (454)
Pentachlorophenol (D037) .....	10 (4.54)
Pyridine (D038) .....	1000 (454)
Selenium (D010) .....	10 (4.54)
Silver (D011) .....	1 (0.454)
Tetrachloroethylene (D039) .....	100 (45.4)
Toxaphene (D015) .....	1 (0.454)
Trichloroethylene (D040) .....	100 (45.4)



TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2,4,5-Trichlorophenol (D041) .....	10 (4.54)
2,4,6-Trichlorophenol (D042) .....	10 (4.54)
2,4,5-TP (D017) .....	100 (45.4)
Vinyl chloride (D043) .....	1 (0.454)
Uracil mustard .....	10 (4.54)
Uranyl acetate .....	100 (45.4)
Uranyl nitrate .....	100 (45.4)
Urea, N-ethyl-N-nitroso- .....	1 (0.454)
Urea, N-methyl-N-nitroso- .....	1 (0.454)
Urethane .....	100 (45.4)
Vanadic acid, ammonium salt .....	1000 (454)
Vanadium oxide V <sub>2</sub> O <sub>5</sub> .....	1000 (454)
Vanadium pentoxide .....	1000 (454)
Vanadyl sulfate .....	1000 (454)
Vinyl acetate .....	5000 (2270)
Vinyl acetate monomer .....	5000 (2270)
Vinylamine, N-methyl-N-nitroso- .....	10 (4.54)
Vinyl bromide .....	100 (45.4)
Vinyl chloride .....	1 (0.454)
Vinylidene chloride .....	100 (45.4)
Warfarin, & salts .....	100 (45.4)
Xylene .....	100 (45.4)
m-Xylene .....	1000 (454)
o-Xylene .....	1000 (454)
p-Xylene .....	100 (45.4)
Xylene (mixed) .....	100 (45.4)
Xylenes (isomers and mixture) .....	100 (45.4)
Xylenol .....	1000 (454)
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-, methyl ester (3beta,16beta,17alpha,18beta, 20alpha) .....	5000 (2270)
Zinc $\epsilon$ .....	1000 (454)
Zinc acetate .....	1000 (454)
Zinc ammonium chloride .....	1000 (454)
Zinc, bis(dimethylcarbamodithioato-S,S')- .....	10 (4.54)
Zinc borate .....	1000 (454)
Zinc bromide .....	1000 (454)
Zinc carbonate .....	1000 (454)
Zinc chloride .....	1000 (454)
Zinc cyanide Zn(CN) <sub>2</sub> .....	10 (4.54)
Zinc fluoride .....	1000 (454)
Zinc formate .....	1000 (454)
Zinc hydrosulfite .....	1000 (454)
Zinc nitrate .....	1000 (454)
Zinc phenolsulfonate .....	5000 (2270)
Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> .....	100 (45.4)
Zinc silicofluoride .....	5000 (2270)
Zinc sulfate .....	1000 (454)
Ziram .....	10 (4.54)
Zirconium nitrate .....	5000 (2270)
Zirconium potassium fluoride .....	1000 (454)
Zirconium sulfate .....	5000 (2270)
Zirconium tetrachloride .....	5000 (2270)
F001 .....	10 (4.54)
(a) Tetrachloroethylene .....	100 (45.4)
(b) Trichloroethylene .....	100 (45.4)
(c) Methylene chloride .....	1000 (454)
(d) 1,1,1-Trichloroethane .....	1000 (454)
(e) Carbon tetrachloride .....	10 (4.54)
(f) Chlorinated fluorocarbons .....	5000 (2270)
F002 .....	10 (4.54)
(a) Tetrachloroethylene .....	100 (45.4)
(b) Methylene chloride .....	1000 (454)
(c) Trichloroethylene .....	100 (45.4)
(d) 1,1,1-Trichloroethane .....	1000 (454)
(e) Chlorobenzene .....	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane .....	5000 (2270)
(g) o-Dichlorobenzene .....	100 (45.4)
(h) Trichlorofluoromethane .....	5000 (2270)
(i) 1,1,2-Trichloroethane .....	100 (45.4)
F003 .....	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
(a) Xylene .....	1000 (454)
(b) Acetone .....	5000 (2270)
(c) Ethyl acetate .....	5000 (2270)
(d) Ethylbenzene .....	1000 (454)
(e) Ethyl ether .....	100 (45.4)
(f) Methyl isobutyl ketone .....	5000 (2270)
(g) n-Butyl alcohol .....	5000 (2270)
(h) Cyclohexanone .....	5000 (2270)
(i) Methanol .....	5000 (2270)
F004 .....	100 (45.4)
(a) Cresols/Cresylic acid .....	100 (45.4)
(b) Nitrobenzene .....	1000 (454)
F005 .....	100 (45.4)
(a) Toluene .....	1000 (454)
(b) Methyl ethyl ketone .....	5000 (2270)
(c) Carbon disulfide .....	100 (45.4)
(d) Isobutanol .....	5000 (2270)
(e) Pyridine .....	1000 (454)
F006 .....	10 (4.54)
F007 .....	10 (4.54)
F008 .....	10 (4.54)
F009 .....	10 (4.54)
F010 .....	10 (4.54)
F011 .....	10 (4.54)
F012 .....	10 (4.54)
F019 .....	10 (4.54)
F020 .....	1 (0.454)
F021 .....	1 (0.454)
F022 .....	1 (0.454)
F023 .....	1 (0.454)
F024 .....	1 (0.454)
F025 .....	1 (0.454)
F026 .....	1 (0.454)
F027 .....	1 (0.454)
F028 .....	1 (0.454)
F032 .....	1 (0.454)
F034 .....	1 (0.454)
F035 .....	1 (0.454)
F037 .....	1 (0.454)
F038 .....	1 (0.454)
F039 .....	1 (0.454)
K001 .....	1 (0.454)
K002 .....	10 (4.54)
K003 .....	10 (4.54)
K004 .....	10 (4.54)
K005 .....	10 (4.54)
K006 .....	10 (4.54)
K007 .....	10 (4.54)
K008 .....	10 (4.54)
K009 .....	10 (4.54)
K010 .....	10 (4.54)
K011 .....	10 (4.54)
K013 .....	10 (4.54)
K014 .....	5000 (2270)
K015 .....	10 (4.54)
K016 .....	1 (0.454)
K017 .....	10 (4.54)
K018 .....	1 (0.454)
K019 .....	1 (0.454)
K020 .....	1 (0.454)
K021 .....	10 (4.54)
K022 .....	1 (0.454)
K023 .....	5000 (2270)
K024 .....	5000 (2270)
K025 .....	10 (4.54)
K026 .....	1000 (454)
K027 .....	10 (4.54)
K028 .....	1 (0.454)
K029 .....	1 (0.454)
K030 .....	1 (0.454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K031	1 (0.454)
K032	10 (4.54)
K033	10 (4.54)
K034	10 (4.54)
K035	1 (0.454)
K036	1 (0.454)
K037	1 (0.454)
K038	10 (4.54)
K039	10 (4.54)
K040	10 (4.54)
K041	1 (0.454)
K042	10 (4.54)
K043	10 (4.54)
K044	10 (4.54)
K045	10 (4.54)
K046	10 (4.54)
K047	10 (4.54)
K048	10 (4.54)
K049	10 (4.54)
K050	10 (4.54)
K051	10 (4.54)
K052	10 (4.54)
K060	1 (0.454)
K061	10 (4.54)
K062	10 (4.54)
K064	10 (4.54)
K065	10 (4.54)
K066	10 (4.54)
K069	10 (4.54)
K071	1 (0.454)
K073	10 (4.54)
K083	100 (45.4)
K084	1 (0.454)
K085	10 (4.54)
K086	10 (4.54)
K087	100 (45.4)
K088	10 (4.54)
K090	10 (4.54)
K091	10 (4.54)
K093	5000 (2270)
K094	5000 (2270)
K095	100 (45.4)
K096	100 (45.4)
K097	1 (0.454)
K098	1 (0.454)
K099	10 (4.54)
K100	10 (4.54)
K101	1 (0.454)
K102	1 (0.454)
K103	100 (45.4)
K104	10 (4.54)
K105	10 (4.54)
K106	1 (0.454)
K107	10 (4.54)
K108	10 (4.54)
K109	10 (4.54)
K110	10 (4.54)
K111	10 (4.54)
K112	10 (4.54)
K113	10 (4.54)
K114	10 (4.54)
K115	10 (4.54)
K116	10 (4.54)
K117	1 (0.454)
K118	1 (0.454)
K123	10 (4.54)
K124	10 (4.54)
K125	10 (4.54)
K126	10 (4.54)
K131	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K132	1000 (454)
K136	1 (0.454)
K141	1 (0.454)
K142	1 (0.454)
K143	1 (0.454)
K144	1 (0.454)
K145	1 (0.454)
K147	1 (0.454)
K148	1 (0.454)
K149	10 (4.54)
K150	10 (4.54)
K151	10 (4.54)
K156	10 (4.54)
K157	10 (4.54)
K158	10 (4.54)
K159	10 (4.54)
K161	1 (0.454)
K169	10 (4.54)
K170	1 (0.454)
K171	1 (0.454)
K172	1 (0.454)
K174	1 (0.454)
K175	1 (0.454)
K176	1 (0.454)
K177	5000 (2270)
K178	1000 (454)
K181	1 (0.454)

ε The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

ζ 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.

\* To provide consistency with EPA regulations, two entries with different CAS numbers are provided. Refer to the EPA Table 302.4—List of Hazardous Substances and Reportable Quantities for an explanation of the two entries.

LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

TABLE 2 TO APPENDIX A—RADIONUCLIDES

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Actinium-224	89	100 (3.7)
Actinium-225	89	1 (.037)
Actinium-226	89	10 (.37)
Actinium-227	89	0.001 (.00037)
Actinium-228	89	10 (.37)
Aluminum-26	13	10 (.37)
Americium-237	95	1000 (37)
Americium-238	95	100 (3.7)
Americium-239	95	100 (3.7)
Americium-240	95	10 (.37)
Americium-241	95	0.01 (.00037)
Americium-242	95	100 (3.7)
Americium-242m	95	0.01 (.00037)
Americium-243	95	0.01 (.00037)
Americium-244	95	10 (.37)
Americium-244m	95	1000 (37)
Americium-245	95	1000 (37)
Americium-246	95	1000 (37)
Americium-246m	95	1000 (37)
Antimony-115	51	1000 (37)
Antimony-116	51	1000 (3.7)
Antimony-116m	51	100 (3.7)
Antimony-117	51	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Antimony-118m	51	10 (.37)
Antimony-119	51	1000 (37)
Antimony-120 (16 min)	51	1000 (37)
Antimony-120 (5.76 day)	51	10 (.37)
Antimony-122	51	10 (.37)
Antimony-124	51	10 (.37)
Antimony-124m	51	1000 (37)
Antimony-125	51	10 (.37)
Antimony-126	51	10 (.37)
Antimony-126m	51	1000 (37)
Antimony-127	51	10 (.37)
Antimony-128 (10.4 min)	51	1000 (37)
Antimony-128 (9.01 hr)	51	10 (.37)
Antimony-129	51	100 (3.7)
Antimony-130	51	100 (3.7)
Antimony-131	51	1000 (37)
Argon-39	18	1000 (37)
Argon-41	18	10 (.37)
Arsenic-69	33	1000 (37)
Arsenic-70	33	100 (3.7)
Arsenic-71	33	100 (3.7)
Arsenic-72	33	10 (.37)
Arsenic-73	33	100 (3.7)
Arsenic-74	33	10 (.37)
Arsenic-76	33	100 (3.7)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Arsenic-77	33	1000 (37)
Arsenic-78	33	100 (3.7)
Astatine-207	85	100 (3.7)
Astatine-211	85	100 (3.7)
Barium-126	56	1000 (37)
Barium-128	56	10 (.37)
Barium-131	56	10 (.37)
Barium-131m	56	1000 (37)
Barium-133	56	10 (.37)
Barium-133m	56	100 (3.7)
Barium-135m	56	1000 (37)
Barium-139	56	1000 (37)
Barium-140	56	10 (.37)
Barium-141	56	1000 (37)
Barium-142	56	1000 (37)
Berkelium-245	97	100 (3.7)
Berkelium-246	97	10 (.37)
Berkelium-247	97	0.01 (.00037)
Berkelium-249	97	1 (.037)
Berkelium-250	97	100 (3.7)
Beryllium-10	4	1 (.037)
Beryllium-7	4	100 (3.7)
Bismuth-200	83	100 (3.7)
Bismuth-201	83	100 (3.7)
Bismuth-202	83	1000 (37)
Bismuth-203	83	10 (.37)
Bismuth-205	83	10 (.37)
Bismuth-206	83	10 (.37)
Bismuth-207	83	10 (.37)
Bismuth-210	83	10 (.37)
Bismuth-210m	83	0.1 (.0037)
Bismuth-212	83	100 (3.7)
Bismuth-213	83	100 (3.7)
Bismuth-214	83	100 (3.7)
Bromine-74	35	100 (3.7)
Bromine-74m	35	100 (3.7)
Bromine-75	35	100 (3.7)
Bromine-76	35	10 (.37)
Bromine-77	35	100 (3.7)
Bromine-80	35	1000 (37)
Bromine-80m	35	1000 (37)
Bromine-82	35	10 (.37)
Bromine-83	35	1000 (37)
Bromine-84	35	100 (3.7)
Cadmium-104	48	1000 (37)
Cadmium-107	48	1000 (37)
Cadmium-109	48	1 (.037)
Cadmium-113	48	0.1 (.0037)
Cadmium-113m	48	0.1 (.0037)
Cadmium-115	48	100 (3.7)
Cadmium-115m	48	10 (.37)
Cadmium-117	48	100 (3.7)
Cadmium-117m	48	10 (.37)
Calcium-41	20	10 (.37)
Calcium-45	20	10 (.37)
Calcium-47	20	10 (.37)
Californium-244	98	1000 (37)
Californium-246	98	10 (.37)
Californium-248	98	0.1 (.0037)
Californium-249	98	0.01 (.00037)
Californium-250	98	0.01 (.00037)
Californium-251	98	0.01 (.00037)
Californium-252	98	0.1 (.0037)
Californium-253	98	10 (.37)
Californium-254	98	0.1 (.0037)
Carbon-11	6	1000 (37)
Carbon-14	6	10 (.37)
Cerium-134	58	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Cerium-135	58	10 (.37)
Cerium-137	58	1000 (37)
Cerium-137m	58	100 (3.7)
Cerium-139	58	100 (3.7)
Cerium-141	58	10 (.37)
Cerium-143	58	100 (3.7)
Cerium-144	58	1 (.037)
Cesium-125	55	1000 (37)
Cesium-127	55	100 (3.7)
Cesium-129	55	100 (3.7)
Cesium-130	55	1000 (37)
Cesium-131	55	1000 (37)
Cesium-132	55	10 (.37)
Cesium-134	55	1 (.037)
Cesium-134m	55	1000 (37)
Cesium-135	55	10 (.37)
Cesium-135m	55	100 (3.7)
Cesium-136	55	10 (.37)
Cesium-137	55	1 (.037)
Cesium-138	55	100 (3.7)
Chlorine-36	17	10 (.37)
Chlorine-38	17	100 (3.7)
Chlorine-39	17	100 (3.7)
Chromium-48	24	100 (3.7)
Chromium-49	24	1000 (37)
Chromium-51	24	1000 (37)
Cobalt-55	27	10 (.37)
Cobalt-56	27	10 (.37)
Cobalt-57	27	100 (3.7)
Cobalt-58	27	10 (.37)
Cobalt-58m	27	1000 (37)
Cobalt-60	27	10 (.37)
Cobalt-60m	27	1000 (37)
Cobalt-61	27	1000 (37)
Cobalt-62m	27	1000 (37)
Copper-60	29	100 (3.7)
Copper-61	29	100 (3.7)
Copper-64	29	1000 (37)
Copper-67	29	100 (3.7)
Curium-238	96	1000 (37)
Curium-240	96	1 (.037)
Curium-241	96	10 (.37)
Curium-242	96	1 (.037)
Curium-243	96	0.01 (.00037)
Curium-244	96	0.01 (.00037)
Curium-245	96	0.01 (.00037)
Curium-246	96	0.01 (.00037)
Curium-247	96	0.01 (.00037)
Curium-248	96	0.001 (.000037)
Curium-249	96	1000 (37)
Dysprosium-155	66	100 (3.7)
Dysprosium-157	66	100 (3.7)
Dysprosium-159	66	100 (3.7)
Dysprosium-165	66	1000 (37)
Dysprosium-166	66	10 (.37)
Einsteinium-250	99	10 (.37)
Einsteinium-251	99	1000 (37)
Einsteinium-253	99	10 (.37)
Einsteinium-254	99	0.1 (.0037)
Einsteinium-254m	99	1 (.037)
Erbium-161	68	100 (3.7)
Erbium-165	68	1000 (37)
Erbium-169	68	100 (3.7)
Erbium-171	68	100 (3.7)
Erbium-172	68	10 (.37)
Europium-145	63	10 (.37)
Europium-146	63	10 (.37)
Europium-147	63	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Europium-148	63	10 (.37)
Europium-149	63	100 (3.7)
Europium-150 (12.6 hr)	63	1000 (37)
Europium-150 (34.2 yr)	63	10 (.37)
Europium-152	63	10 (.37)
Europium-152m	63	100 (3.7)
Europium-154	63	10 (.37)
Europium-155	63	10 (.37)
Europium-156	63	10 (.37)
Europium-157	63	10 (.37)
Europium-158	63	1000 (37)
Fermium-252	100	10 (.37)
Fermium-253	100	10 (.37)
Fermium-254	100	100 (3.7)
Fermium-255	100	100 (3.7)
Fermium-257	100	1 (.037)
Fluorine-18	9	1000 (37)
Francium-222	87	100 (3.7)
Francium-223	87	100 (3.7)
Gadolinium-145	64	100 (3.7)
Gadolinium-146	64	10 (.37)
Gadolinium-147	64	10 (.37)
Gadolinium-148	64	0.001 (.000037)
Gadolinium-149	64	100 (3.7)
Gadolinium-151	64	100 (3.7)
Gadolinium-152	64	0.001 (.000037)
Gadolinium-153	64	10 (.37)
Gadolinium-159	64	1000 (37)
Gallium-65	31	1000 (37)
Gallium-66	31	10 (.37)
Gallium-67	31	100 (3.7)
Gallium-68	31	1000 (37)
Gallium-70	31	1000 (37)
Gallium-72	31	10 (.37)
Gallium-73	31	100 (3.7)
Germanium-66	32	100 (3.7)
Germanium-67	32	1000 (37)
Germanium-68	32	10 (.37)
Germanium-69	32	10 (.37)
Germanium-71	32	1000 (37)
Germanium-75	32	1000 (37)
Germanium-77	32	10 (.37)
Germanium-78	32	1000 (37)
Gold-193	79	100 (3.7)
Gold-194	79	10 (.37)
Gold-195	79	100 (3.7)
Gold-198	79	100 (3.7)
Gold-198m	79	10 (.37)
Gold-199	79	100 (3.7)
Gold-200	79	1000 (37)
Gold-200m	79	10 (.37)
Gold-201	79	1000 (37)
Hafnium-170	72	100 (3.7)
Hafnium-172	72	1 (.037)
Hafnium-173	72	100 (3.7)
Hafnium-175	72	100 (3.7)
Hafnium-177m	72	1000 (37)
Hafnium-178m	72	0.1 (.0037)
Hafnium-179m	72	100 (3.7)
Hafnium-180m	72	100 (3.7)
Hafnium-181	72	10 (.37)
Hafnium-182	72	0.1 (.0037)
Hafnium-182m	72	100 (3.7)
Hafnium-183	72	100 (3.7)
Hafnium-184	72	100 (3.7)
Holmium-155	67	1000 (37)
Holmium-157	67	1000 (37)
Holmium-159	67	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Holmium-161	67	1000 (37)
Holmium-162	67	1000 (37)
Holmium-162m	67	1000 (37)
Holmium-164	67	1000 (37)
Holmium-164m	67	1000 (37)
Holmium-166	67	100 (3.7)
Holmium-166m	67	1 (.037)
Holmium-167	67	100 (3.7)
Hydrogen-3	1	100 (3.7)
Indium-109	49	100 (3.7)
Indium-110 (4.9 hr)	49	10 (.37)
Indium-110 (69.1 min)	49	100 (3.7)
Indium-111	49	100 (3.7)
Indium-112	49	1000 (37)
Indium-113m	49	1000 (37)
Indium-114m	49	10 (.37)
Indium-115	49	0.1 (.0037)
Indium-115m	49	100 (3.7)
Indium-116m	49	100 (3.7)
Indium-117	49	1000 (37)
Indium-117m	49	100 (3.7)
Indium-119m	49	1000 (37)
Iodine-120	53	10 (.37)
Iodine-120m	53	100 (3.7)
Iodine-121	53	100 (3.7)
Iodine-123	53	10 (.37)
Iodine-124	53	0.1 (.0037)
Iodine-125	53	0.01 (.00037)
Iodine-126	53	0.01 (.00037)
Iodine-128	53	1000 (37)
Iodine-129	53	0.001 (.000037)
Iodine-130	53	1 (.037)
Iodine-131	53	0.01 (.00037)
Iodine-132	53	10 (.37)
Iodine-132m	53	10 (.37)
Iodine-133	53	0.1 (.0037)
Iodine-134	53	100 (3.7)
Iodine-135	53	10 (.37)
Iridium-182	77	1000 (37)
Iridium-184	77	100 (3.7)
Iridium-185	77	100 (3.7)
Iridium-186	77	10 (.37)
Iridium-187	77	100 (3.7)
Iridium-188	77	10 (.37)
Iridium-189	77	100 (3.7)
Iridium-190	77	10 (.37)
Iridium-190m	77	1000 (37)
Iridium-192	77	10 (.37)
Iridium-192m	77	100 (3.7)
Iridium-194	77	100 (3.7)
Iridium-194m	77	10 (.37)
Iridium-195	77	1000 (37)
Iridium-195m	77	100 (3.7)
Iron-52	26	100 (3.7)
Iron-55	26	100 (3.7)
Iron-59	26	10 (.37)
Iron-60	26	0.1 (.0037)
Krypton-74	36	10 (.37)
Krypton-76	36	10 (.37)
Krypton-77	36	10 (.37)
Krypton-79	36	100 (3.7)
Krypton-81	36	1000 (37)
Krypton-83m	36	1000 (37)
Krypton-85	36	1000 (37)
Krypton-85m	36	100 (3.7)
Krypton-87	36	10 (.37)
Krypton-88	36	10 (.37)
Lanthanum-131	57	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Lanthanum-132	57	100 (3.7)
Lanthanum-135	57	1000 (37)
Lanthanum-137	57	10 (.37)
Lanthanum-138	57	1 (.037)
Lanthanum-140	57	10 (.37)
Lanthanum-141	57	1000 (37)
Lanthanum-142	57	100 (3.7)
Lanthanum-143	57	1000 (37)
Lead-195m	82	1000 (37)
Lead-198	82	100 (3.7)
Lead-199	82	100 (3.7)
Lead-200	82	100 (3.7)
Lead-201	82	100 (3.7)
Lead-202	82	1 (.037)
Lead-202m	82	10 (.37)
Lead-203	82	100 (3.7)
Lead-205	82	100 (3.7)
Lead-209	82	1000 (37)
Lead-210	82	0.01 (.00037)
Lead-211	82	100 (3.7)
Lead-212	82	10 (.37)
Lead-214	82	100 (3.7)
Lutetium-169	71	10 (.37)
Lutetium-170	71	10 (.37)
Lutetium-171	71	10 (.37)
Lutetium-172	71	10 (.37)
Lutetium-173	71	100 (3.7)
Lutetium-174	71	10 (.37)
Lutetium-174m	71	10 (.37)
Lutetium-176	71	1 (.037)
Lutetium-176m	71	1000 (37)
Lutetium-177	71	100 (3.7)
Lutetium-177m	71	10 (.37)
Lutetium-178	71	1000 (37)
Lutetium-178m	71	1000 (37)
Lutetium-179	71	1000 (37)
Magnesium-28	12	10 (.37)
Manganese-51	25	1000 (37)
Manganese-52	25	10 (.37)
Manganese-52m	25	1000 (37)
Manganese-53	25	1000 (37)
Manganese-54	25	10 (.37)
Manganese-56	25	100 (3.7)
Mendelevium-257	101	100 (3.7)
Mendelevium-258	101	1 (.037)
Mercury-193	80	100 (3.7)
Mercury-193m	80	10 (.37)
Mercury-194	80	0.1 (.0037)
Mercury-195	80	100 (3.7)
Mercury-195m	80	100 (3.7)
Mercury-197	80	1000 (37)
Mercury-197m	80	1000 (37)
Mercury-199m	80	1000 (37)
Mercury-203	80	10 (.37)
Molybdenum-101	42	1000 (37)
Molybdenum-90	42	100 (3.7)
Molybdenum-93	42	100 (3.7)
Molybdenum-93m	42	10 (.37)
Molybdenum-99	42	100 (3.7)
Neodymium-136	60	1000 (37)
Neodymium-138	60	1000 (37)
Neodymium-139	60	1000 (37)
Neodymium-139m	60	100 (3.7)
Neodymium-141	60	1000 (37)
Neodymium-147	60	10 (.37)
Neodymium-149	60	100 (3.7)
Neodymium-151	60	1000 (37)
Neptunium-232	93	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Neptunium-233	93	1000 (37)
Neptunium-234	93	10 (.37)
Neptunium-235	93	1000 (37)
Neptunium-236 (1.2 E 5 yr)	93	0.1 (.0037)
Neptunium-236 (22.5 hr)	93	100 (3.7)
Neptunium-237	93	0.01 (.00037)
Neptunium-238	93	10 (.37)
Neptunium-239	93	100 (3.7)
Neptunium-240	93	100 (3.7)
Nickel-56	28	10 (.37)
Nickel-57	28	10 (.37)
Nickel-59	28	100 (3.7)
Nickel-63	28	100 (3.7)
Nickel-65	28	100 (3.7)
Nickel-66	28	10 (.37)
Niobium-88	41	100 (3.7)
Niobium-89 (122 min)	41	100 (3.7)
Niobium-89 (66 min)	41	100 (3.7)
Niobium-90	41	10 (.37)
Niobium-93m	41	100 (3.7)
Niobium-94	41	10 (.37)
Niobium-95	41	10 (.37)
Niobium-95m	41	100 (3.7)
Niobium-96	41	10 (.37)
Niobium-97	41	100 (3.7)
Niobium-98	41	1000 (37)
Osmium-180	76	1000 (37)
Osmium-181	76	100 (3.7)
Osmium-182	76	100 (3.7)
Osmium-185	76	10 (.37)
Osmium-189m	76	1000 (37)
Osmium-191	76	100 (3.7)
Osmium-191m	76	1000 (37)
Osmium-193	76	100 (3.7)
Osmium-194	76	1 (.037)
Palladium-100	46	100 (3.7)
Palladium-101	46	100 (3.7)
Palladium-103	46	100 (3.7)
Palladium-107	46	100 (3.7)
Palladium-109	46	1000 (37)
Phosphorus-32	15	0.1 (.0037)
Phosphorus-33	15	1 (.037)
Platinum-186	78	100 (3.7)
Platinum-188	78	100 (3.7)
Platinum-189	78	100 (3.7)
Platinum-191	78	100 (3.7)
Platinum-193	78	1000 (37)
Platinum-193m	78	100 (3.7)
Platinum-195m	78	100 (3.7)
Platinum-197	78	1000 (37)
Platinum-197m	78	1000 (37)
Platinum-199	78	1000 (37)
Platinum-200	78	100 (3.7)
Plutonium-234	94	1000 (37)
Plutonium-235	94	1000 (37)
Plutonium-236	94	0.1 (.0037)
Plutonium-237	94	1000 (37)
Plutonium-238	94	0.01 (.00037)
Plutonium-239	94	0.01 (.00037)
Plutonium-240	94	0.01 (.00037)
Plutonium-241	94	1 (.037)
Plutonium-242	94	0.01 (.00037)
Plutonium-243	94	1000 (37)
Plutonium-244	94	0.01 (.00037)
Plutonium-245	94	100 (3.7)
Polonium-203	84	100 (3.7)
Polonium-205	84	100 (3.7)
Polonium-207	84	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Polonium-210	84	0.01 (.00037)
Potassium-40	19	1 (.037)
Potassium-42	19	100 (3.7)
Potassium-43	19	10 (.37)
Potassium-44	19	100 (3.7)
Potassium-45	19	1000 (37)
Praseodymium-136	59	1000 (37)
Praseodymium-137	59	1000 (37)
Praseodymium-138m	59	100 (3.7)
Praseodymium-139	59	1000 (37)
Praseodymium-142	59	100 (3.7)
Praseodymium-142m	59	1000 (37)
Praseodymium-143	59	10 (.37)
Praseodymium-144	59	1000 (37)
Praseodymium-145	59	1000 (37)
Praseodymium-147	59	1000 (37)
Promethium-141	61	1000 (37)
Promethium-143	61	100 (3.7)
Promethium-144	61	10 (.37)
Promethium-145	61	100 (3.7)
Promethium-146	61	10 (.37)
Promethium-147	61	10 (.37)
Promethium-148	61	10 (.37)
Promethium-148m	61	10 (.37)
Promethium-149	61	100 (3.7)
Promethium-150	61	100 (3.7)
Promethium-151	61	100 (3.7)
Protactinium-227	91	100 (3.7)
Protactinium-228	91	10 (.37)
Protactinium-230	91	10 (.37)
Protactinium-231	91	0.01 (.00037)
Protactinium-232	91	10 (.37)
Protactinium-233	91	100 (3.7)
Protactinium-234	91	10 (.37)
RADIONUCLIDES \$†		1 (.037)
Radium-223	88	1 (.037)
Radium-224	88	10 (.37)
Radium-225	88	1 (.037)
Radium-226 **	88	0.1 (.0037)
Radium-227	88	1000 (37)
Radium-228	88	0.1 (.0037)
Radon-220	86	0.1 (.0037)
Radon-222	86	0.1 (.0037)
Rhenium-177	75	1000 (37)
Rhenium-178	75	1000 (37)
Rhenium-181	75	100 (3.7)
Rhenium-182 (12.7 hr)	75	10 (.37)
Rhenium-182 (64.0 hr)	75	10 (.37)
Rhenium-184	75	10 (.37)
Rhenium-184m	75	10 (.37)
Rhenium-186	75	100 (3.7)
Rhenium-186m	75	10 (.37)
Rhenium-187	75	1000 (37)
Rhenium-188	75	1000 (37)
Rhenium-188m	75	1000 (37)
Rhenium-189	75	1000 (37)
Rhodium-100	45	10 (.37)
Rhodium-101	45	10 (.37)
Rhodium-101m	45	100 (3.7)
Rhodium-102	45	10 (.37)
Rhodium-102m	45	10 (.37)
Rhodium-103m	45	1000 (37)
Rhodium-105	45	100 (3.7)
Rhodium-106m	45	10 (.37)
Rhodium-107	45	1000 (37)
Rhodium-99	45	10 (.37)
Rhodium-99m	45	100 (3.7)
Rubidium-79	37	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Rubidium-81	37	100 (3.7)
Rubidium-81m	37	1000 (37)
Rubidium-82m	37	10 (.37)
Rubidium-83	37	10 (.37)
Rubidium-84	37	10 (.37)
Rubidium-86	37	10 (.37)
Rubidium-87	37	10 (.37)
Rubidium-88	37	1000 (37)
Rubidium-89	37	1000 (37)
Ruthenium-103	44	10 (.37)
Ruthenium-105	44	100 (3.7)
Ruthenium-106	44	1 (.037)
Ruthenium-94	44	1000 (37)
Ruthenium-97	44	100 (3.7)
Samarium-141	62	1000 (37)
Samarium-141m	62	1000 (37)
Samarium-142	62	1000 (37)
Samarium-145	62	100 (3.7)
Samarium-146	62	0.01 (.00037)
Samarium-147	62	0.01 (.00037)
Samarium-151	62	10 (.37)
Samarium-153	62	100 (3.7)
Samarium-155	62	1000 (37)
Samarium-156	62	100 (3.7)
Scandium-43	21	1000 (37)
Scandium-44	21	100 (3.7)
Scandium-44m	21	10 (.37)
Scandium-46	21	10 (.37)
Scandium-47	21	100 (3.7)
Scandium-48	21	10 (.37)
Scandium-49	21	1000 (37)
Selenium-70	34	1000 (37)
Selenium-73	34	10 (.37)
Selenium-73m	34	100 (3.7)
Selenium-75	34	10 (.37)
Selenium-79	34	10 (.37)
Selenium-81	34	1000 (37)
Selenium-81m	34	1000 (37)
Selenium-83	34	1000 (37)
Silicon-31	14	1000 (37)
Silicon-32	14	1 (.037)
Silver-102	47	100 (3.7)
Silver-103	47	1000 (37)
Silver-104	47	1000 (37)
Silver-104m	47	1000 (37)
Silver-105	47	10 (.37)
Silver-106	47	1000 (37)
Silver-106m	47	10 (.37)
Silver-108m	47	10 (.37)
Silver-110m	47	10 (.37)
Silver-111	47	10 (.37)
Silver-112	47	100 (3.7)
Silver-115	47	1000 (37)
Sodium-22	11	10 (.37)
Sodium-24	11	10 (.37)
Strontium-80	38	100 (3.7)
Strontium-81	38	1000 (37)
Strontium-83	38	100 (3.7)
Strontium-85	38	10 (.37)
Strontium-85m	38	1000 (37)
Strontium-87m	38	100 (3.7)
Strontium-89	38	10 (.37)
Strontium-90	38	0.1 (.0037)
Strontium-91	38	10 (.37)
Strontium-92	38	100 (3.7)
Sulfur-35	16	1 (.037)
Tantalum-172	73	100 (3.7)
Tantalum-173	73	100 (3.7)



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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Tantalum-174	73	100 (3.7)
Tantalum-175	73	100 (3.7)
Tantalum-176	73	10 (.37)
Tantalum-177	73	1000 (37)
Tantalum-178	73	1000 (37)
Tantalum-179	73	1000 (37)
Tantalum-180	73	100 (3.7)
Tantalum-180m	73	1000 (37)
Tantalum-182	73	10 (.37)
Tantalum-182m	73	1000 (37)
Tantalum-183	73	100 (3.7)
Tantalum-184	73	10 (.37)
Tantalum-185	73	1000 (37)
Tantalum-186	73	1000 (37)
Technetium-101	43	1000 (37)
Technetium-104	43	1000 (37)
Technetium-93	43	100 (3.7)
Technetium-93m	43	1000 (37)
Technetium-94	43	10 (.37)
Technetium-94m	43	100 (3.7)
Technetium-96	43	10 (.37)
Technetium-96m	43	1000 (37)
Technetium-97	43	100 (3.7)
Technetium-97m	43	100 (3.7)
Technetium-98	43	10 (.37)
Technetium-99	43	10 (.37)
Technetium-99m	43	100 (3.7)
Tellurium-116	52	1000 (37)
Tellurium-121	52	10 (.37)
Tellurium-121m	52	10 (.37)
Tellurium-123	52	10 (.37)
Tellurium-123m	52	10 (.37)
Tellurium-125m	52	10 (.37)
Tellurium-127	52	1000 (37)
Tellurium-127m	52	10 (.37)
Tellurium-129	52	1000 (37)
Tellurium-129m	52	10 (.37)
Tellurium-131	52	1000 (37)
Tellurium-131m	52	10 (.37)
Tellurium-132	52	10 (.37)
Tellurium-133	52	1000 (37)
Tellurium-133m	52	1000 (37)
Tellurium-134	52	1000 (37)
Terbium-147	65	100 (3.7)
Terbium-149	65	100 (3.7)
Terbium-150	65	100 (3.7)
Terbium-151	65	10 (.37)
Terbium-153	65	100 (3.7)
Terbium-154	65	10 (.37)
Terbium-155	65	100 (3.7)
Terbium-156	65	10 (.37)
Terbium-156m (24.4 hr)	65	1000 (37)
Terbium-156m (5.0 hr)	65	1000 (37)
Terbium-157	65	100 (3.7)
Terbium-158	65	10 (.37)
Terbium-160	65	10 (.37)
Terbium-161	65	100 (3.7)
Thallium-194	81	1000 (37)
Thallium-194m	81	100 (3.7)
Thallium-195	81	100 (3.7)
Thallium-197	81	100 (3.7)
Thallium-198	81	10 (.37)
Thallium-198m	81	100 (3.7)
Thallium-199	81	100 (3.7)
Thallium-200	81	10 (.37)
Thallium-201	81	1000 (37)
Thallium-202	81	10 (.37)
Thallium-204	81	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Thorium (Irradiated)	90	***
Thorium (Natural)	90	**
Thorium-226	90	100 (3.7)
Thorium-227	90	1 (.037)
Thorium-228	90	0.01 (.00037)
Thorium-229	90	0.001 (.000037)
Thorium-230	90	0.01 (.00037)
Thorium-231	90	100 (3.7)
Thorium-232 **	90	0.001 (.000037)
Thorium-234	90	100 (3.7)
Thulium-162	69	1000 (37)
Thulium-166	69	10 (.37)
Thulium-167	69	100 (3.7)
Thulium-170	69	10 (.37)
Thulium-171	69	100 (3.7)
Thulium-172	69	100 (3.7)
Thulium-173	69	100 (3.7)
Thulium-175	69	1000 (37)
Tin-110	50	100 (3.7)
Tin-111	50	1000 (37)
Tin-113	50	10 (.37)
Tin-117m	50	100 (3.7)
Tin-119m	50	10 (.37)
Tin-121	50	1000 (37)
Tin-121m	50	10 (.37)
Tin-123	50	10 (.37)
Tin-123m	50	1000 (37)
Tin-125	50	10 (.37)
Tin-126	50	1 (.037)
Tin-127	50	100 (3.7)
Tin-128	50	1000 (37)
Titanium-44	22	1 (.037)
Titanium-45	22	1000 (37)
Tungsten-176	74	1000 (37)
Tungsten-177	74	100 (3.7)
Tungsten-178	74	100 (3.7)
Tungsten-179	74	1000 (37)
Tungsten-181	74	100 (3.7)
Tungsten-185	74	10 (.37)
Tungsten-187	74	100 (3.7)
Tungsten-188	74	10 (.37)
Uranium (Depleted)	92	***
Uranium (Irradiated)	92	***
Uranium (Natural)	92	**
Uranium Enriched 20% or greater	92	***
Uranium Enriched less than 20%	92	***
Uranium-230	92	1 (.037)
Uranium-231	92	1000 (37)
Uranium-232	92	0.01 (.00037)
Uranium-233	92	0.1 (.0037)
Uranium-234 **	92	0.1 (.0037)
Uranium-235 **	92	0.1 (.0037)
Uranium-236	92	0.1 (.0037)
Uranium-237	92	100 (3.7)
Uranium-238 **	92	0.1 (.0037)
Uranium-239	92	1000 (37)
Uranium-240	92	1000 (37)
Vanadium-47	23	1000 (37)
Vanadium-48	23	10 (.37)
Vanadium-49	23	1000 (37)
Xenon-120	54	100 (3.7)
Xenon-121	54	10 (.37)
Xenon-122	54	100 (3.7)
Xenon-123	54	10 (.37)
Xenon-125	54	100 (3.7)
Xenon-127	54	100 (3.7)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Xenon-129m	54	1000 (37)
Xenon-131m	54	1000 (37)
Xenon-133	54	1000 (37)
Xenon-133m	54	1000 (37)
Xenon-135	54	100 (3.7)
Xenon-135m	54	10 (3.7)
Xenon-138	54	10 (3.7)
Ytterbium-162	70	1000 (37)
Ytterbium-166	70	10 (3.7)
Ytterbium-167	70	1000 (37)
Ytterbium-169	70	10 (3.7)
Ytterbium-175	70	100 (3.7)
Ytterbium-177	70	1000 (37)
Ytterbium-178	70	1000 (37)
Yttrium-86	39	10 (3.7)
Yttrium-86m	39	1000 (37)
Yttrium-87	39	10 (3.7)
Yttrium-88	39	10 (3.7)
Yttrium-90	39	10 (3.7)
Yttrium-90m	39	100 (3.7)
Yttrium-91	39	10 (3.7)
Yttrium-91m	39	1000 (37)
Yttrium-92	39	100 (3.7)
Yttrium-93	39	100 (3.7)
Yttrium-94	39	1000 (37)
Yttrium-95	39	1000 (37)
Zinc-62	30	100 (3.7)
Zinc-63	30	1000 (37)
Zinc-65	30	10 (3.7)
Zinc-69	30	1000 (37)
Zinc-69m	30	100 (3.7)
Zinc-71m	30	100 (3.7)
Zinc-72	30	100 (3.7)
Zirconium-86	40	100 (3.7)
Zirconium-88	40	10 (3.7)
Zirconium-89	40	100 (3.7)
Zirconium-93	40	1 (.037)
Zirconium-95	40	10 (3.7)
Zirconium-97	40	10 (3.7)

§ The RQs for all radionuclides apply to chemical compounds containing the radionuclides and elemental forms regardless of the diameter of pieces of solid material.

† The RQ of one curie applies to all radionuclides not otherwise listed. Whenever the RQs in TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES and this table conflict, the lowest RQ shall apply. For example, uranyl acetate and uranyl nitrate have RQs shown in TABLE 1 of 100 pounds, equivalent to about one-tenth the RQ level for uranium-238 in this table.

\*\* The method to determine the RQs for mixtures or solutions of radionuclides can be found in paragraph 7 of the note preceding TABLE 1 of this appendix. RQs for the following four common radionuclide mixtures are provided: radium-226 in secular equilibrium with its daughters (0.053 curie); natural uranium (0.1 curie); natural uranium in secular equilibrium with its daughters (0.052 curie); and natural thorium in secular equilibrium with its daughters (0.011 curie).

\*\*\* Indicates that the name was added by PHMSA because it appears in the list of radionuclides in 49 CFR 173.435. The reportable quantity (RQ), if not specifically listed elsewhere in this appendix, shall be determined in accordance with the procedures in paragraph 7 of this appendix.

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

1. See §171.4 of this subchapter for applicability to marine pollutants. This appendix lists potential marine pollutants as defined in §171.8 of this subchapter.

2. Marine pollutants listed in this appendix are not necessarily listed by name in the §172.101 Table. If a marine pollutant not listed by name or by synonym in the §172.101 Table meets the definition of any hazard Class 1 through 8, then you must determine the class and division of the material in accordance with §173.2a of this subchapter. You must also select the most appropriate hazardous material description and proper shipping name. If a marine pollutant not listed by name or by synonym in the §172.101 Table does not meet the definition of any Class 1 through 8, then you must offer it for transportation under the most appropriate of the following two Class 9 entries: “Environmentally hazardous substances, liquid, n.o.s.” UN3082, or “Environmentally hazardous substances, solid, n.o.s.” UN3077.

3. This appendix contains two columns. The first column, entitled “S.M.P.” (for severe marine pollutants), identifies whether a material is a severe marine pollutant. If the letters “PP” appear in this column for a material, the material is a severe marine pollutant, otherwise it is not. The second column, entitled “Marine Pollutant”, lists the marine pollutants.

4. If a material is not listed in this appendix and meets the criteria for a marine pollutant as provided in Chapter 2.9 of the IMDG Code, (incorporated by reference; see §171.7 of this subchapter), the material may be transported as a marine pollutant in accordance with the applicable requirements of this subchapter.

5. If a material or a solution meeting the definition of a marine pollutant in §171.8 of this subchapter does not meet the criteria for a marine pollutant as provided in section 2.9.3.3 and 2.9.3.4 of the IMDG Code, (incorporated by reference; see §171.7 of this subchapter), it may be excepted from the requirements of this subchapter as a marine pollutant if that exception is approved by the Associate Administrator.

LIST OF MARINE POLLUTANTS

S.M.P. (1)	Marine pollutant (2)
	Acetone cyanohydrin, stabilized
	Acetylene tetrabromide
	Acetylene tetrachloride
	Acraldehyde, inhibited
	Acroleic acid, stabilized
	Acrolein, inhibited
	Acrolein, stabilized
	Acrylic acid, stabilized
	Acrylic aldehyde, inhibited
	Alcohol C-12 - C-16 poly(1-6) ethoxylate
	Alcohol C-6 - C-17 (secondary)poly(3-6) ethoxylate
	Aldicarb
PP	Aldrin
	Alkyl (c12-c14) dimethylamine
	Alkyl (c7-c9) nitrates
	Alkybenzenesulphonates, branched and straight chain (excluding C11–C13 straight chain or branched chain homologues)

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LIST OF MARINE POLLUTANTS—Continued

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Allyl alcohol
	Allyl bromide
	ortho-Aminoanisole
	Aminobenzene
	Aminocarb
	Ammonia, anhydrous (l)
	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia
	Ammonia solution relative density less than 0.880 at 15 degrees C in water, with more than 35% but not more than 50% ammonia
	Ammonia solution, 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, by mass
	Ammonium dinitro-o-cresolate
	n-Amylbenzene
	Aniline
	Aniline oil
PP	Azinphos-ethyl
PP	Azinphos-methyl
	Barium cyanide
	Bendiocarb
	Benomyl
	Benquinox
	Benzyl chlorocarbonate
	Benzyl chloroformate
PP	Binapacryl
	N,N-Bis (2-hydroxyethyl) oleamide (LOA)
	Bleaching powder
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocyane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxnil
	Butanedione
	2-Butenal, stabilized
	Butyl benzyl phthalate
	Butylbenzenes
	N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
PP	2,4-Di-tert-butylphenol
	2, 6-Di-tert-Butylphenol
PP	para-tertiary-butyltoluene
PP	Cadmium compounds
	Cadmium sulphide
	Calcium arsenate
	Calcium arsenate and calcium arsenite, mixtures, solid
	Calcium cyanide
	Calcium hypochlorite, dry with more than 39% available chlorine (8.8% available oxygen)
	Calcium hypochlorite mixture, dry with more than 10% but not more than 39% available chlorine
	Calcium hypochlorite mixture, dry with more than 39% available chlorine (8.8% available oxygen)
	Calcium hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine
	Calcium hypochlorite mixture, dry, corrosive with more than 39% available chlorine (8.8% available oxygen)
	Calcium hypochlorite, hydrated with not less than 5.5% but not more than 16% water

S.M.P. (1)	Marine pollutant (2)
	Calcium hypochlorite, hydrated, corrosive with not less than 5.5% but not more than 16% water
	Calcium hypochlorite, hydrated mixture with not less than 5.5% but not more than 16% water
	Calcium hypochlorite, hydrated mixture, corrosive with not less than 5.5% but not more than 16% water
PP	Campechlor
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
	Carbon tetrachloride
PP	Carbophenothion
PP	Cartap hydrochloride
	Chlordane
	Chlorfenvinphos
PP	Chlorinated paraffins (C-10 - C-13)
PP	Chlorinated paraffins (C14–C17), with more than 1% shorter chain length
	Chlorine
	Chlorine cyanide, inhibited
	Chlormephos
	Chloroacetone, stabilized
	1-Chloro-2,3-Epoxypropane
	2-Chloro-6-nitrotoluene
	4-Chloro-2-nitrotoluene
	Chloro-ortho-nitrotoluene
	2-Chloro-5-trifluoromethylnitrobenzene
	para-Chlorobenzyl chloride, liquid or solid
	Chlorodinitrobenzenes, liquid or solid
	1-Chloroheptane
	1-Chlorohexane
	Chloronitroanilines
	Chloronitrotoluenes, liquid
	Chloronitrotoluenes, solid
	1-Chlorooctane
PP	Chlorophenolates, liquid
PP	Chlorophenolates, solid
	Chlorophenyltrichlorosilane
	Chloropicrin
	alpha-Chloropropylene
	ortho-Chlorotoluene
	Chlorpyrifos
PP	Chlorthiophos
PP	Cocculus
	Coconitrile
	Copper acetoarsenite
	Copper arsenite
PP	Copper chloride
PP	Copper chloride solution
PP	Copper cyanide
PP	Copper metal powder
PP	Copper sulphate, anhydrous, hydrates
PP	Coumachlor
	Coumaphos
	Creosote salts
PP	Cresyl diphenyl phosphate
	Crotonaldehyde, stabilized
	Crotonic aldehyde, stabilized
	Crotoxypfos
	Cupric arsenite
PP	Cupric chloride
PP	Cupric cyanide
PP	Cupric sulfate
	Cupriethylenediamine solution
PP	Cuprous chloride
	Cyanide mixtures
	Cyanide solutions
	Cyanides, inorganic, n.o.s.
	Cyanogen bromide

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
	Cyanogen chloride, inhibited		DNOC (pesticide)
	Cyanogen chloride, stabilized		Dodecene (except 1-dodecene)
	Cyanophos		Dodecyl diphenyl oxide disulphonate
PP	1,5,9-Cyclododecatriene	PP	Dodecyl hydroxypropyl sulfide
	Cycloheptane		1-Dodecylamine
PP	Cyhexatin	PP	Dodecylphenol
PP	Cyrenes (o-;m-;p-)		Drazoxolon
PP	Cypermethrin		Edifenphos
	Decyl acrylate	PP	Endosulfan
PP	DDT	PP	Endrin
	Decycloxytetrahydrothiophene dioxide		Epibromohydrin
	DEF		Epichlorohydrin
	Desmedipham	PP	EPN
	Di-allate	PP	Esfenvalerate
	Di-n-Butyl phthalate	PP	Ethion
PP	Dialifos		Ethoprophos
	4,4'-Diaminodiphenylmethane		Ethyl fluid
PP	Diazinon		Ethyl mercaptan
	1,3-Dibromobenzene		2-Ethylhexyl nitrate
PP	Dichlofenthion		2-Ethyl-3-propylacrolein
	Dichloroanilines		Ethyl tetraphosphate
	1,3-Dichlorobenzene		Ethylchloroarsine
	1,4-Dichlorobenzene		Ethylene dibromide and methyl bromide mixtures, liquid
	Dichlorobenzene (meta-; para-)		2-Ethylhexaldehyde
	2,2-Dichlorodiethyl ether		Fenamiphos
	Dichlorodimethyl ether, symmetrical		Fenbutatin oxide
	Di-(2-chloroethyl) ether	PP	Fenchlorazole-ethyl
	1,1-Dichloroethylene, inhibited	PP	Fenitrothion
	1,6-Dichlorohexane	PP	Fenoxapro-ethyl
	2,4-Dichlorophenol	PP	Fenoxaprop-P-ethyl
	Dichlorophenyltrichlorosilane	PP	Fenpropathrin
	1,3-Dichloropropene		Fensulfthion
PP	Dichlorvos	PP	Fenthion
PP	Diclofop-methyl	PP	Fentin acetate
	Dicrotophos	PP	Fentin hydroxide
PP	Dieldrin	PP	Ferric arsenate
	Diisopropylbenzenes		Ferric arsenite
	Diisopropyl-naphthalenes, mixed isomers		Ferrous arsenate
PP	Dimethoate	PP	Fonofos
	Dimethyl disulphide		Formetanate
PP	N,N-Dimethyldodecylamine	PP	Furathiocarb (ISO)
	Dimethylhydrazine, symmetrical	PP	gamma-BHC
	Dimethylhydrazine, unsymmetrical		Gasoline, leaded
	Dinitro-o-cresol, <i>solid</i>		Heptachlor
	Dinitro-o-cresol, <i>solution</i>	PP	Heptanes
	Dinitrochlorobenzenes, liquid or solid		Heptenophos
	Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>		n-Heptaldehyde
	Dinitrophenol solutions		n-Heptylbenzene
	Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>		normal-Heptyl chloride
	Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i>	PP	Hexachlorobutadiene
	Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>	PP	1,3-Hexachlorobutadiene
	Dinitrotoluenes, liquid		Hexaethyl tetraphosphate <i>liquid</i>
	Dinitrotoluenes, molton		Hexaethyl tetraphosphate, <i>solid</i>
	Dintrotoluenes, solid		Hexane
	Dinobuton		normal-Hexyl chloride
	Dinoseb		n-Hexylbenzene
	Dinoseb acetate		Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water
	Dioxacarb		Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material
	Dioxathion		Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Dipentene		Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>
	Diphacinone		Hydrogen cyanide, stabilized <i>with less than 3% water</i>
PP	Diphenylamine chloroarsine		Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
PP	Diphenylchloroarsine, solid or liquid		Hydroxydimethylbenzenes, liquid or solid
	Disulfoton		
	1,4-Di-tert-butylbenzene		
	DNOC		

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LIST OF MARINE POLLUTANTS—Continued

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Hypochlorite solutions
	Ioxynil
	Isobenzan
	Isobutyl butyrate
	Isobutylbenzene
	Isodecyl acrylate
	Isodecyl diphenyl phosphate
	Isofenphos
	Isooctane
	Isooctyl nitrate
	Isoprene, stabilized
	Isoprocarb
	Isotetramethylbenzene
PP	Isoxathion
	Lead acetate
	Lead arsenates
	Lead arsenites
	Lead compounds, soluble, n.o.s.
	Lead cyanide
	Lead nitrate
	Lead perchlorate, solid or solution
	Lead tetraethyl
	Lead tetramethyl
PP	Lindane
	Linuron
	London Purple
	Magnesium arsenate
	Malathion
	Mancozeb (ISO)
	Maneb
	Maneb preparations with not less than 60% maneb
	Maneb preparation, stabilized against self-heating
	Maneb stabilized or Maneb preparations, stabilized against self-heating
	Manganese ethylene-1,2-bis dithiocarbamate
	Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating
	Mecarbam
	Mephostolan
	Mercaptodimethur
PP	Mercuric acetate
PP	Mercuric ammonium chloride
PP	Mercuric arsenate
PP	Mercuric benzoate
PP	Mercuric bisulphate
PP	Mercuric bromide
PP	Mercuric chloride
PP	Mercuric cyanide
PP	Mercuric gluconate
	Mercuric iodide
PP	Mercuric nitrate
PP	Mercuric oleate
PP	Mercuric oxide
PP	Mercuric oxycyanide, desensitized
PP	Mercuric potassium cyanide
PP	Mercuric Sulphate
PP	Mercuric thiocyanate
PP	Mercuriol
PP	Mercurous acetate
PP	Mercurous bisulphate
PP	Mercurous bromide
PP	Mercurous chloride
PP	Mercurous nitrate
PP	Mercurous salicylate
PP	Mercurous sulphate
PP	Mercury acetates
PP	Mercury ammonium chloride
PP	Mercury based pesticide, liquid, flammable, toxic
PP	Mercury based pesticides, liquid, toxic, flammable
PP	Mercury based pesticides, liquid, toxic
PP	Mercury based pesticides, solid, toxic

S.M.P. (1)	Marine pollutant (2)
PP	Mercury benzoate
PP	Mercury bichloride
PP	Mercury bisulphates
PP	Mercury bromides
PP	Mercury compounds, liquid, n.o.s.
PP	Mercury compounds, solid, n.o.s.
PP	Mercury cyanide
PP	Mercury gluconate
PP	Mercury (I) (mercurous) compounds (pesticides)
PP	Mercury (II) (mercuric) compounds (pesticides)
	Mercury iodide
PP	Mercury nucleate
PP	Mercury oleate
PP	Mercury oxide
PP	Mercury oxycyanide, desensitized
PP	Mercury potassium cyanide
PP	Mercury potassium iodide
PP	Mercury salicylate
PP	Mercury sulfates
PP	Mercury thiocyanate
	Mesitylene
	Metam-sodium
	Methamidophos
	Methanethiol
	Methidathion
	Methomyl
	ortho-Methoxyaniline
	Methyl bromide and ethylene dibromide mixtures, liquid
	Methyl disulphide
	Methyl mercaptan
	2-Methyl-2-phenylpropane
	3-Methylacroleine, stabilized
	N-Methylaniline
	Methylchlorobenzenes
	Methylcyclohexane
	Methyldinitrobenzenes, liquid
	Methyldinitrobenzenes, molten
	Methyldinitrobenzenes, solid
	Methyldithiomethane
	2-Methylheptane
	Methylnitrophenols
	2-Methylpentane
	3-Methylpyradine
	Methyltrithion
	Methylvinylbenzenes, inhibited
PP	Mevinphos
	Mexacarbate
	Mirex
	Monocrotophos
	Motor fuel anti-knock mixtures
	Motor fuel anti-knock mixtures or compounds
	Nabam
	Naled
	Naphthalene, crude or Naphthalene, refined
	Naphthalene, molten
PP	Nickel carbonyl
PP	Nickel cyanide
PP	Nickel tetracarbonyl
	3-Nitro-4-chlorobenzotrifluoride
	Nitrobenzene
	Nitrobenzotrifluorides, liquid or solid
	Nonanes
	Nonylphenol
	normal-Octaldehyde
	Octanes
	Oleylamine
PP	Organotin compounds, liquid, n.o.s.
PP	Organotin compounds (pesticides)
PP	Organotin compounds, solid, n.o.s.
PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.	PP	Salithion
PP	Organotin pesticides, liquid, toxic, n.o.s.	PP	Silafluofen
PP	Organotin pesticides, solid, toxic, n.o.s.		Silver arsenite
	Orthoarsenic acid		Silver cyanide
PP	Osmium tetroxide		Silver orthoarsenite
	Oxamyl	PP	Sodium copper cyanide, solid
	Oxydisulfoton	PP	Sodium copper cyanide solution
	Paraoxon	PP	Sodium cuprocyanide, solid
PP	Parathion	PP	Sodium cuprocyanide, solution
PP	Parathion-methyl	PP	Sodium cyanide, solid
PP	PCBs.		Sodium cyanide, solution
	Pentachloroethane		Sodium dinitro-o-cresolate, <i>dry or wetted with less than 15 per cent water, by mass</i>
PP	Pentachlorophenol		Sodium dinitro-ortho-cresolate, <i>wetted with not less than 15 per cent water, by mass</i>
	Pentalin		Sodium hypochlorite solution
	n-Pentylbenzene	PP	Sodium pentachlorophenate
	Perchloroethylene		Strychnine or Strychnine salts
	Perchloromethylmercaptan	PP	Sulfotep
	Petrol, leaded	PP	Sulprophos
PP	Phenarsazine chloride		Tallow nitrile
	d-Phenothrin	PP	Temephos
PP	Phenthoate		TEPP
	Phenylamine	PP	Terbufos
	1-Phenylbutane		Tetrabromoethane
	2-Phenylbutane		Tetrabromomethane
	Phenylcyclohexane		1,1,2,2-Tetrachloroethane
PP	Phenylmercuric acetate		Tetrachloroethylene
PP	Phenylmercuric compounds, n.o.s.		Tetrachloromethane
PP	Phenylmercuric hydroxide		Tetraethyl dithiopyrophosphate
PP	Phenylmercuric nitrate	PP	Tetraethyl lead, liquid
PP	Phorate		Tetramethrin
PP	Phosalone		Tetramethyllead
PP	Phosmet		Tetrapropylene
PP	Phosphamidon		Thallium chlorate
PP	Phosphorus, white, molten		Thallium compounds, n.o.s.
PP	Phosphorus, white or yellow dry or under water or in solution		Thallium compounds (pesticides)
PP	Phosphorus white, or yellow, molten		Thallium nitrate
PP	Phosphorus, yellow, molten		Thallium sulfate
	Pindone (and salts of)		Thallos chlorate
	Pine Oil		Thiocarbonyl tetrachloride
	alpha-Pinene		Toluidines, liquid
	Pirimicarb		Toluidines, solid
PP	Pirimiphos-ethyl		Triaryl phosphates, isopropylated
PP	Polychlorinated biphenyls	PP	Triaryl phosphates, n.o.s.
PP	Polyhalogenated biphenyls, liquid or Terphenyls liquid		Triazophos
PP	Polyhalogenated biphenyls, solid or Terphenyls, solid		Tribromomethane
PP	Potassium cuprocyanide	PP	Tributyltin compounds
	Potassium cyanide, solid		Trichlorfon
	Potassium cyanide, solution	PP	1,2,3-Trichlorobenzene
PP	Potassium cyanocuprate (I)		Trichlorobenzenes, liquid
PP	Potassium cyanomercurate		Trichlorobutene
PP	Potassium mercuric iodide		Trichlorobutylene
	Promecarb		Trichloromethane sulphuryl chloride
	Propachlor		Trichloromethyl sulphochloride
	Propaphos		Trichloronit
	Propenal, inhibited		Tricresyl phosphate (less than 1% ortho-isomer)
	Propenoic acid, stabilized	PP	Tricresyl phosphate, not less than 1% ortho-isomer but not more than 3% orthoisomer
	Propenyl alcohol	PP	Tricresyl phosphate with more than 3 per cent ortho isomer
	Propoxur		Triethylbenzene
	Propylene tetramer		Triisopropylated phenyl phosphates
	Prothoate		1,3,5-Trimethylbenzene
	Prussic acid, anhydrous, stabilized		Trimethylene dichloride
	Prussic acid, anhydrous, stabilized, absorbed in a porous inert material		2,2,4-Trimethylpentane
PP	Pyrazophos	PP	Triphenylphosphate
	Quinalphos		Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates
PP	Quizalofop		
PP	Quizalofop-p-ethyl		
	Rotenone		

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates
PP	Triphenyltin compounds
	Tripropylene
PP	Tritolyl phosphate (less than 1% ortho-isomer)
	Tritolyl phosphate (not less than 1% ortho-isomer)
	Trixylenyl phosphate
	Turpentine
	Vinylidene chloride, stabilized
	Warfarin (and salts of)
PP	White phosphorus, dry
PP	White phosphorus, wet
	White spirit, low (15-20%) aromatic
PP	Yellow phosphorus, dry
PP	Yellow phosphorus, wet
	Zinc bromide
	Zinc chloride, anhydrous
	Zinc chloride solution
	Zinc cyanide

[Amdt. 172–173, 55 FR 52474, Dec. 21, 1990]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 172.101, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.govinfo.gov](http://www.govinfo.gov).

§ 172.102 Special provisions.

(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.

(b) *Description of codes for special provisions.* Special provisions contain packaging provisions, prohibitions, exceptions from requirements for particular quantities or forms of materials and requirements or prohibitions applicable to specific modes of transportation, as follows:

(1) A code consisting only of numbers (for example, “11”) is multi-modal in application and may apply to bulk and non-bulk packagings.

(2) A code containing the letter “A” refers to a special provision which applies only to transportation by aircraft.

(3) A code containing the letter “B” refers to a special provision which applies only to bulk packaging requirements. Unless otherwise provided in this subchapter, these special provisions do not apply to UN, IM Specification portable tanks or IBCs.

(4) A code containing the letters “IB” or “IP” refers to a special provision that applies only to transportation in IBCs.

(5) A code containing the letter “N” refers to a special provision which applies only to non-bulk packaging requirements.

(6) A code containing the letter “R” refers to a special provision which applies only to transportation by rail.

(7) A code containing the letter “T” refers to a special provision which applies only to transportation in UN or IM Specification portable tanks.

(8) A code containing the letters “TP” refers to a portable tank special provision for UN or IM Specification portable tanks that is in addition to those provided by the portable tank instructions or the requirements in part 178 of this subchapter.

(9) A code containing the letter “W” refers to a special provision that applies only to transportation by water.

(c) *Tables of special provisions.* The following tables list, and set forth the requirements of, the special provisions referred to in column 7 of the § 172.101 table.

(1) *Numeric provisions.* These provisions are multi-modal and apply to bulk and non-bulk packagings:

*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