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APPENDIX A TO PART 172—OFFICE OF HAZARDOUS MATERIALS TRANSPORTATION
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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.

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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 “flammable” may not be used in place of the word “flam- mable”.

(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 international transportation, except to and from Canada. Identification numbers in the “NA9000” series are associated with proper shipping names not appropriately covered by international hazardous materials (dangerous goods) transportation

standards, or not appropriately addressed by international transportation standards for emergency response information purposes, except for transportation between the United States and Canada. Those preceded by the letters "ID" are associated with proper shipping names recognized by the ICAO Technical Instructions (IBR, see §171.7 of this subchapter).

(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 haz-

ards. 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 ¹	Explosive 1.1 ¹
1.2 ¹	Explosive 1.2 ¹
1.3 ¹	Explosive 1.3 ¹
1.4 ¹	Explosive 1.4 ¹
1.5 ¹	Explosive 1.5 ¹
1.6 ¹	Explosive 1.6 ¹
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) ² .	Poison
6.2	Infectious substance
7	Radioactive
8	Corrosive
9	Class 9

¹ Refers to the appropriate compatibility group letter.

² 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

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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 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 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—

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(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 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 ship-

ping 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	Accelerane, see Nitrosodimethylamine	3	UN1088 UN1089 UN1841 UN2332 UN2789 UN2790 UN2790 UN1715 UN1090 UN1541 UN1091 UN1648	II I III III II II III II I I II II	3 3 9 3 8 8 8 8 3 6.1 3 3	IB2, T4, TP1 A3, B16, T11, TP2, TP7 IB8, IP3, IP7, T1, TP33 B1, B3, T4, TP1 A3, A6, A7, A10, B2, IB2, T7, TP2 A3, A6, A7, A10, B2, IB2, T7, TP2 IB3, T4, TP1 A3, A6, A7, A10, B2, IB2, T7, TP2 2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45 IB2, T4, TP1, TP8 IB2, T7, TP2	202 201 204 203 202 202 203 202 202 227 202 202	242 243 240 242 243	5 L Forbidden 200 kg 60 L 1 L	60 L 30 L 200 kg 220 L 30 L	E E A A A	34	
	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												
	Acetyl bromide												

§ 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)	Acetyl chloride	3	UN1717	II	3, 8	A3, A6, A7, IB1, N34, T8, TP2	150	202	243	1 L	5 L	B	40
	<i>Acetyl cyclohexanesulfonyl per-oxide, with more than 82 percent wetted with less than 12 percent water</i>	Forbidden											
	Acetyl iodide	8	UN1898	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40
	Acetyl methyl carbimol	3	UN2821	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Acetyl peroxide, solid, or with more than 25 percent in solution</i>	Forbidden											
	Acetylene, dissolved	2.1	UN1001		2.1	N86, N88	None	303	None	Forbidden	15 kg	D	25, 40, 57
	<i>Acetylene (liquefied)</i>	Forbidden											
	<i>Acetylene silver nitrate</i>	Forbidden											
	<i>Acetylene, solvent free</i>	Forbidden											
	<i>Acetylene tetrabromide, see Tetrabromoethane</i>	Forbidden											
	<i>Acid butyl phosphate, see Butyl acid phosphate</i>												
	Acid, sludge, see Sludge acid												
	Acridine	6.1	UN2713	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Acroline dimer, stabilized	3	UN2607	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Acroline, stabilized	6.1	UN1092	I	6.1, 3	1, B9, B14, B30, B42, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	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	B2, IB2, T7, TP2	154	202	243	1 L	30 L	C	25, 40
	Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	B9, T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
	<i>Actuating cartridge, explosive, see Cartridges, power device</i>												
	Adhesives, containing a flammable liquid	3	UN1133	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	B	
	Adiponitrile	6.1	UN2205	III	3	149, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
	Adsorbed gas, n.o.s.	2.2	UN3511	.....	2.2	B1, B52, IB3, T2, TP1, IB3, T3, TP1	None	302c	None	60 L	220 L	A	
						.....	None			75 kg	150 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	(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, 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, <i>(each not ex-ceeding 1 L capacity)</i>	2.1	UN1950	.....	2.1	N82	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, flammable, n.o.s. <i>(engine starting fluid) (each not exceeding 1 L capacity)</i>	2.1	UN1950	.....	2.1	N82	306	304	None	Forbidden	150 kg	A	25, 87, 126
	Aerosols, non-flammable, <i>(each not exceeding 1 L capacity)</i>	2.2	UN1950	.....	2.2	.....	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, poison, <i>Packing Group III (each not exceeding 1 L capacity)</i>	2.2	UN1950	.....	2.2, 6.1	.....	306	None	None	Forbidden	Forbidden	A	25, 87, 126
	<i>Air bag inflators, or Air bag mod-ules or Seat-belt pretensioners, see Safety devices, electrically initiated or Safety devices, pyro-technic</i>												
	Air, compressed	2.2	UN1002		2.2	78	306, 307	302	302	75 kg	150 kg	A	51
	Air, refrigerated liquid, <i>(cryogenic liquid)</i>	2.2	UN1003		2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51
	Air, refrigerated liquid, <i>(cryogenic liquid) non-pressurized</i>	2.2	UN1003		2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51
	<i>Aircraft engines (including turbines), see Engines, internal combustion</i> <i>Aircraft evacuation slides, see Life saving appliances etc</i>												

§ 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)
	Alkaline earth metal alloys, n.o.s.	4.3	UN1393	III	4.2	65, A7, IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	B	
	Alkaline earth metal amalgams, liq-uid	4.3	UN1392	II	4.3	A19, IB7, IP2, T3, TP33	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	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	
G	Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s., <i>poisonous</i>	6.1	UN1544	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid	8	UN2584	II	6.1	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	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with more than 5 percent free sulfuric acid	8	UN2583	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid	8	UN2585	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN3145	I	8	A6, T14, TP2	None	201	243	0.5 L	2.5 L	B	
	Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430	III	8	IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	
						IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	
						IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
						IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
						IB8, IP3, T1, TP33	154	213	240	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	(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 phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40	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	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	A	13, 39, 52, 53, 74, 101, 147, 148
	Aluminum powder, uncoated	4.3	UN1396	III	4.1	IB8, IP3, T1, TP33	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, T3, TP33	151	212	242	15 kg	50 kg	A	13, 39, 52, 53, 148
	Aluminum resinates	4.1	UN2715	III	4.3	A19, A20, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	13, 39, 52, 53, 148
	Aluminum silicon powder, uncoated	4.3	UN1398	III	4.3	IB6, T1, TP33	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 148
	Aluminum smelting by-products or Aluminum remelting by-products	4.3	UN3170	II	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	13, 39, 40, 52, 53, 85, 103, 148
	Amatols, see Explosives, blasting, type B			III	4.3	128, B115, IB7, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	13, 85, 103, 148
						128, B115, IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	B	13, 85, 103, 148

A W	Ammonium nitrate based fertilizer	5.1	UN2067	III	5.1	52, 150, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	25, 59, 60, 66, 117, 124	
	Ammonium nitrate based fertilizer Ammonium nitrate emulsion or Ammonium nitrate suspension or Ammonium nitrate gel, intermediate for blasting explosives Ammonium nitrate-fuel oil mixture containing only prilled ammonium nitrate and fuel oil	9 5.1	UN2071 UN3375	III II	9 5.1	132, IB8, IP3 147, 163, IB2, IP16	155 None	213 231	240 251	200 kg Forbidden	200 kg Forbidden	200 kg Forbidden	A D	25, 59, 60, 66, 124
D	Ammonium nitrate, liquid (not concentrated solution)	1.5D	NA0331	II	1.5D	.....	None	62	None	Forbidden	Forbidden	03	25, 19E
	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	5.1	UN2426	.....	5.1	B5, T7	None	None	243	Forbidden	Forbidden	D	59, 60, 124
	Ammonium nitrate, with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D	UN0222	II	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	A1, A29, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 59, 60, 66, 116, 124	
A	Ammonium perchlorate	Forbidden	UN0402	II	1.1D	107	None	62	None	Forbidden	Forbidden	04	25, 19E	
	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	E	58, 69	
	Ammonium permanganate	Forbidden	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A		
	Ammonium persulfate	5.1	UN0004	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E, 19E
	Ammonium picrate, dry or wetted with less than 10 percent water,	4.1	UN1310	I	4.1	23, A2, N41	None	211	None	0.5 kg	0.5 kg	D	28, 36	
	Ammonium picrate, wetted with not less than 10 percent water, by mass	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 25, 40, 52	
	Ammonium polysulfide, solution	6.1	UN2861	II	6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 25, 40, 52	
	Ammonium polyvanadate	6.1	UN2861	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141	
	Ammonium silicofluoride, see Ammonium fluorosilicate													

§ 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 sulfide solution	8	UN2883	II	8, 6.1, 3	IB1, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 22, 25, 52, 100
	<i>Ammunition, blank, see Cartridges for weapons, blank</i>												
	<i>Ammunition, illuminating with or without burster, expelling charge or propelling charge</i>	1.2G	UN0171	II	1.2G			62	62	Forbidden	Forbidden	03	25
	<i>Ammunition, illuminating with or without burster, expelling charge or propelling charge</i>	1.3G	UN0254	II	1.3G			62	62	Forbidden	Forbidden	03	25
	<i>Ammunition, illuminating with or without burster, expelling charge or propelling charge</i>	1.4G	UN0297	II	1.4G			62	62	Forbidden	75 kg	02	25
	<i>Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge</i>	1.3J	UN0247	II	1.3J			62	None	Forbidden	Forbidden	05	25, 23E
	<i>Ammunition, incendiary (water-acti-vated contrivances) with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.</i>												
	<i>Ammunition, incendiary, white phos-phorus, with burster, expelling charge or propelling charge</i>	1.2H	UN0243	II	1.2H			62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	<i>Ammunition, incendiary, white phos-phorus, with burster, expelling charge or propelling charge</i>	1.3H	UN0244	II	1.3H			62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	<i>Ammunition, incendiary with or with-out burster, expelling charge, or propelling charge</i>	1.2G	UN0009	II	1.2G			62	62	Forbidden	Forbidden	03	25
	<i>Ammunition, incendiary with or with-out burster, expelling charge, or propelling charge</i>	1.3G	UN0010	II	1.3G			62	62	Forbidden	Forbidden	03	25

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Ammunition, incendiary with or without burster, expelling charge or propelling charge	1.4G	UN0300	II	1.4G	62	62	Forbiddn	75 kg	02	25
Ammunition, practice	1.4G	UN0362	II	1.4G	.....	62	62	Forbiddn	75 kg	02	25
Ammunition, practice	1.3G	UN0488	II	1.3G	.....	62	62	Forbiddn	Forbiddn	03	25
Ammunition, proof	1.4G	UN0363	II	1.4G	.....	62	62	Forbiddn	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)	1.2H	UN0245	II	1.2H	.....	62	62	Forbiddn	Forbiddn	05	25, 14E, 15E, 17E
Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249)	1.3H	UN0246	II	1.3H	.....	62	62	Forbiddn	Forbiddn	05	25, 14E, 15E, 17E
Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.2G	UN0015	II	1.2G	.....	62	62	Forbiddn	Forbiddn	03	25, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	II	1.3G	.....	62	62	Forbiddn	Forbiddn	03	25, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge	1.4G	UN0303	II	1.4G	.....	62	62	Forbiddn	75 kg	02	25, 14E, 15E, 17E
Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339)	6.1	UN2017	.....	6.1, 8	.....	212	None	Forbiddn	50 kg	E	13, 40
Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	1.2G	UN0018	II	1.2G, 8, 6.1	.....	62	62	Forbiddn	Forbiddn	03	25, 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	(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)
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	II	1.3G, 8, 6.1	.....		62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	II	1.4G, 8, 6.1	.....		62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2016	.....	6.1	.....	None	212	None	Forbidden	100 kg	E	13, 40
G	Ammunition, toxic with burster, expelling charge or propelling charge	1.2K	UN0020	II	1.2K, 6.1	.....		62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Ammunition, toxic with burster, expelling charge or propelling charge	1.3K	UN0021	II	1.3K, 6.1	.....		62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Amyl acetates	3	UN1104	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Amyl acid phosphate	8	UN2819	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Amyl butyrates	3	UN2620	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Amyl chloride	3	UN1107	II	3	B2, T4, TP1	150	202	242	5 L	60 L	B	
	Amyl formates	3	UN1109	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Amyl mercaptan	3	UN1111	II	3	A3, A6, B2, T4, TP1	None	202	242	5 L	60 L	B	95, 102
	n-Amyl methyl ketone	3	UN1110	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	40
	Amyl nitrate	3	UN1112	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	40
	Amyl nitrite	3	UN1113	II	3, 8	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	Amylamines	3	UN1106	III	3, 8	B2, T7, TP1	150	202	243	1 L	5 L	B	
	Amyltrichlorosilane	8	UN1728	III	8	B1, B3, T4, TP1	150	203	242	5 L	60 L	A	40
	Anhydrous ammonia, see Ammonia, anhydrous			II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	

§ 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)	Other (10B)	Loca-tion (10A)	
G	Arsenic compounds, liquid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s	6.1	UN1556	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 137	
							153	202	243	5 L	60 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	III	UN1557	I	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40, 137	
		I				None	211	242	5 kg	50 kg	A	137		
G	Arsenic pentoxide Arsenic sulfide and a chlorate, mixtures of	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137	
							153	213	240	100 kg	200 kg	A	137	
G	Arsenic trichloride	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40	
							153	212	242	25 kg	100 kg	A		
G	Arsenic trioxide Arsenic, white, solid, see Arsenic trioxide	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
							153	212	242	25 kg	100 kg	A		
G	Arsenic dust Arsenic pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN1562 UN2760	II I	6.1 3, 6.1	IB8, IP2, IP4, T3, TP33 T14, TP2, TP13, TP27	153	212	242	25 kg	100 kg	A	40	
							None	201	243	Forbidden	30 L	B		
G	Arsenic pesticides, liquid, toxic	6.1	UN2994	II	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40	
							None	201	243	1 L	30 L	B	40	
G	Arsenic pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2993	III I	6.1, 3	IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	153	203	241	60 L	220 L	A	40	
							None	201	243	1 L	30 L	B	40	
G	Arsenic pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2993	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
							153	202	243	5 L	60 L	B	40	

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Arsenical pesticides, solid, toxic	6.1	UN2759	III	6.1, 3 6.1 6.1 6.1	B1, IB3, T7, TP2, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 None 153 153	203 211 212 213	242 242 242 240	60 L 5 kg 25 kg 100 kg	220 L 50 kg 100 kg 200 kg	A A A A	40 40 40 40
<i>Arsenious acid, solid, see Arsenic trioxide</i>												
<i>Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s.</i>												
Arsine	2.3	UN2188	II	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
Arsine, adsorbed	2.3	UN3522	.....	2.3, 2.1	1	None	302c	None	Forbidden	Forbidden	D	
Articles, explosive, extremely insensitive or Articles, EEI	1.6N	UN0486	II	1.6N		None	62	None	Forbidden	Forbidden	07	
Articles, explosive, extremely insensitive or Articles, EEI	1.6N											
Ammunition, toxic with burster, expelling charge or propelling charge	1.2K	UN0020	II	1.2K, 6.1	.....		62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, toxic with burster, expelling charge or propelling charge	1.3K	UN0021	II	1.3K, 6.1	.....		62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Articles, explosive, n.o.s	1.4S	UN0349	II	1.4S	101	None	62	None	25 kg Forbidden	100 kg Forbidden	01	25
Articles, explosive, n.o.s	1.4B	UN0350	II	1.4B	101	None	62	None	Forbidden	Forbidden	05	25
Articles, explosive, n.o.s	1.4C	UN0351	II	1.4C	101	None	62	None	Forbidden	75 kg	02	25
Articles, explosive, n.o.s	1.4D	UN0352	II	1.4D	101	None	62	None	Forbidden	75 kg	02	25
Articles, explosive, n.o.s	1.4G	UN0353	II	1.4G	101	None	62	None	Forbidden	75 kg	02	25
Articles, explosive, n.o.s	1.1L	UN0354	II	1.1L	101	None	62	None	Forbidden	Forbidden	02	25, 14E, 15E
Articles, explosive, n.o.s	1.2L	UN0355	II	1.2L	101	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
Articles, explosive, n.o.s	1.3L	UN0356	II	1.3L	101	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
Articles, explosive, n.o.s	1.1C	UN0462	II	1.1C	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.1D	UN0463	II	1.1D	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.1E	UN0464	II	1.1E	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.1F	UN0465	II	1.1F	101	None	62	None	Forbidden	Forbidden	05	25
Articles, explosive, n.o.s	1.2C	UN0466	II	1.2C	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.2D	UN0467	II	1.2D	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.2E	UN0468	II	1.2E	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.2F	UN0469	II	1.2F	101	None	62	None	Forbidden	Forbidden	05	25
Articles, explosive, n.o.s	1.3C	UN0470	II	1.3C	101	None	62	None	Forbidden	Forbidden	04	25
Articles, explosive, n.o.s	1.4E	UN0471	II	1.4E	101	None	62	None	Forbidden	75 kg Forbidden	03	25
Articles, explosive, n.o.s	1.4F	UN0472	II	1.4F	101	None	62	None	Forbidden	Forbidden	05	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)
	Articles, pressurized pneumatic, or hydraulic containing non-flammable gas	2.2	UN3164	.....	2.2	371	302, 304	None	No limit	No limit	A	
	Articles, pyrophoric	1.2L	UN0380	II	1.2L	.....	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E, 25
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	II	1.1G	.....	62	None	Forbidden	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	II	1.2G	.....	62	None	Forbidden	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	II	1.3G	.....	62	None	Forbidden	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	II	1.4G	.....	62	None	Forbidden	75 kg	02	25
	Articles, pyrotechnic for technical purposes	1.4S	UN0432	II	1.4S	.....	62	None	25 kg	100 kg	01	25
D	Asbestos	9	NA2212	III	9	156, IB8, IP2, IP4	216	240	200 kg	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	216	240	Forbidden	Forbidden	A	34, 40	
I	Asbestos, chrysotile	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	216	240	200 kg	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	203	247	Forbidden	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, G	Aviation regulated liquid, n.o.s	9	UN3334	.....	9	A35, A189	204		450 L	450 L	A	
A, G	Aviation regulated solid, n.o.s	9	UN3335	.....	9	A35	204		400 kg	400 kg	A	
	Azaurolic acid (salt of) (dry)	Forbidden											
	Azido guanidine picrate (dry)	Forbidden											
	5-Azido-1-hydroxy tetrazole	Forbidden											

Azido hydroxy tetrazole (mercury and silver salts)	Forbidden	4.1	UN3242	II	4.1	38, IB8, T3, TP33	151	223	240	Forbidden	Forbidden	D	2, 52, 53, 74
3-Azido-1,2-Propylene glycol difluoride	Forbidden	4.3	UN1400	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	13, 52, 148
Azidothiocarbonic acid	Forbidden	4.2	UN1854	I	4.2	T21, TP7, TP33	None	181	None	Forbidden	Forbidden	D	13, 148
Azidoethyl nitrate	Forbidden	1.1A, 6.1	UN0224	II	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	4.1	UN1571	I	4.1	162, A2	None	182	None	Forbidden	0.5 kg	D	28, 36
Azodicarbonamide	4.1	4.1	UN1571	I	4.1	162, A2	None	182	None	Forbidden	0.5 kg	D	28, 36
Azotetrazole (dry)	4.3	4.3	UN1400	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	13, 52, 148
Barium	4.2	4.2	UN1854	I	4.2	T21, TP7, TP33	None	181	None	Forbidden	Forbidden	D	13, 148
Barium alloys, pyrophoric	1.1A	1.1A, 6.1	UN0224	II	1.1A, 6.1	111, 117	None	62	None	Forbidden	Forbidden	05	25
Barium azide, dry or wetted with less than 50 percent water, by mass	4.1	4.1	UN1571	I	4.1	162, A2	None	182	None	Forbidden	0.5 kg	D	28, 36
Barium azide, wetted with not less than 50 percent water, by mass	5.1	5.1	UN2719	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Barium bromate	5.1	5.1	UN1445	II	5.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Barium chlorate, solid	5.1	5.1	UN3405	II	5.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
Barium chlorate, solution	5.1	5.1	UN3405	II	5.1	A9, IB2, N34, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
Barium compounds, n.o.s	6.1	6.1	UN1564	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58, 133
Barium cyanide	6.1	6.1	UN1565	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	56, 58, 133
Barium hypochlorite, with more than 22 percent available chlorine	5.1	5.1	UN2741	II	5.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	40, 52
Barium nitrate	5.1	5.1	UN1446	II	5.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	B	4, 52, 56, 58, 106
Barium oxide	6.1	6.1	UN1884	III	6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 133
Barium perchlorate, solid	5.1	5.1	UN1447	II	5.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	56, 58, 133
Barium perchlorate, solution	5.1	5.1	UN3406	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 133
Barium permanganate	5.1	5.1	UN1448	III	5.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
Barium peroxide	5.1	5.1	UN1449	II	5.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
	5.1	5.1	UN1448	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
	5.1	5.1	UN1449	II	5.1	A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148

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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	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>Barium selenate, see Selenates or Selenites</i>												
	<i>Barium selenite, see Selenates or Selenites</i>												
	Batteries, containing sodium	4.3	UN3292	.....	4.3	.....	189	189	189	Forbidden	No limit	A	13, 148
	Batteries, dry, containing potassium hydroxide solid, electric storage	8	UN3028	.....	8	.....	None	213	None	25 kg	230 kg	A	52
	Batteries, dry, sealed, n.o.s.						130						
	Batteries, nickel-metal hydride see Batteries, dry, sealed, n.o.s. for	9	UN3496	.....	9	.....	340					A	25
	<i>nickel-metal hydride batteries transported by modes other than vessel</i>												
	Batteries, wet, filled with acid, elec-tric storage	8	UN2794	.....	8	A51	159	159	159	30 kg	No limit	A	146
	Batteries, wet, filled with alkali, electric storage	8	UN2795	.....	8	A51	159	159	159	30 kg	No limit	A	52, 146
	Batteries, wet, non-spillable, electric storage	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 equip-ment containing an internal com-bustion 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											

§ 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	Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C Bipyridilium pesticides, solid, toxic <i>Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.</i> Bisulfate, aqueous solution Bisulfites, aqueous solutions, n.o.s. Black powder, compressed or Gun-powder, compressed or Black powder, in pellets or Gunpowder, in pellets Black powder or Gunpowder, granular or as a meal Black powder for small arms <i>Blasting agent, n.o.s., see Explosives, blasting etc</i> <i>Blasting cap assemblies, see Deto-nator assemblies, non-electric, for blasting</i> <i>Blasting caps, electric, see Deto-nators, electric for blasting</i> <i>Blasting caps, non-electric, see Det-onators, non-electric, for blasting</i> <i>Bleaching powder, see Calcium hy-pochlorite mixtures, etc</i> Bombs, photo-flash Bombs, photo-flash Bombs, photo-flash Bombs, photo-flash	6.1	UN3015	III I	6.1 6.1, 3	IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	153 None	203 201	241 243	60 L 1 L	220 L 30 L	A B	40 21, 40	
		6.1	UN2781	III I III	6.1, 3 6.1 6.1	IB2, T11, TP2, TP13, TP27 B1, IB3, T7, TP2, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 None 153 153 153	202 203 211 212 240 213	243 242 242 242 240	5 L 60 L 5 kg 25 kg 100 kg	60 L 220 L 50 kg 100 kg 200 kg	B A A A A	21, 40 21, 40 40 40 40	
		8	UN2837	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L		A	
		8	UN2693	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L		A	
		1.1D	UN0028	III II	8 1.1D	IB3, T7, TP1, TP28	154 None	203 62	241 None	5 L Forbidden	60 L Forbidden		A 04	40, 52 25
		1.1D	UN0027	II	1.1D	.....	None	62	None	Forbidden	Forbidden		04	25
		4.1	NA0027	I	4.1	70	None	170	None	Forbidden	Forbidden		E	
		1.1F	UN0037	II	1.1F	.....	.....	62	None	Forbidden	Forbidden		05	25
		1.1D	UN0038	II	1.1D	.....	.....	62	62	Forbidden	Forbidden		04	25
		1.2G	UN0039	II	1.2G	.....	.....	62	62	Forbidden	Forbidden		03	25
1.3G	UN0299	II	1.3G	.....	.....	62	62	Forbidden	Forbidden		03	25		

	8	UN2028	II	8	None	160	None	Forbiddn	50 kg	E	40
Bombs, smoke, non-explosive, with corrosive liquid, without initiating device											
Bombs, with bursting charge	1.1F	UN0033	II	1.1F		62		Forbiddn	Forbiddn	05	25
Bombs, with bursting charge	1.1D	UN0034	II	1.1D		62		Forbiddn	Forbiddn	04	25
Bombs, with bursting charge	1.2D	UN0035	II	1.2D		62		Forbiddn	Forbiddn	04	25
Bombs, with bursting charge	1.2F	UN0291	II	1.2F		62		Forbiddn	Forbiddn	05	25
Bombs, with flammable liquid, with bursting charge	1.1J	UN0399	II	1.1J		62		Forbiddn	Forbiddn	05	25, 23E, 23E
Bombs, with flammable liquid, with bursting charge	1.2J	UN0400	II	1.2J		62		Forbiddn	Forbiddn	05	25, 23E, 23E
Boosters with detonator	1.1B	UN0225	II	1.1B	None	62	None	Forbiddn	Forbiddn	05	25
Boosters with detonator	1.2B	UN0268	II	1.2B	None	62	None	Forbiddn	Forbiddn	05	25
Boosters, without detonator	1.1D	UN0042	II	1.1D	None	62	None	Forbiddn	Forbiddn	04	25
Boosters, without detonator	1.2D	UN0283	II	1.2D	None	62	None	Forbiddn	Forbiddn	04	25
Borate and chlorate mixtures, see Chlorate and borate mixtures											
Borneol	4.1	UN1312	III	4.1	None	213	None	25 kg	100 kg	A	12, 25
Boron tribromide	8	UN2692	I	8, 6.1	None	227	None	Forbiddn	Forbiddn	C	
Boron trichloride	2.3	UN1741		2.3, 8	None	304	None	Forbiddn	Forbiddn	D	25, 40
Boron trifluoride	2.3	UN1008	.....	2.3, 8	None	302	None	Forbiddn	Forbiddn	D	40
Boron trifluoride acetic acid complex, liquid	8	UN1742	II	8	154	202	154	1 L	30 L	A	
Boron trifluoride acetic acid complex, solid	8	UN3419	II	8	154	212	154	15 kg	50 kg	A	
Boron trifluoride, adsorbed	2.3	UN3519	.....	2.3, 8	None	302c	None	Forbiddn	Forbiddn	D	40
Boron trifluoride diethyl etherate	8	UN2604	I	8, 3	None	201	None	0.5 L	2.5 L	D	40
Boron trifluoride dihydrate	8	UN2851	II	8	154	212	154	15 kg	50 kg	B	12, 25, 40
Boron trifluoride dimethyl etherate	4.3	UN2965	I	4.3, 8, 3	None	201	None	Forbiddn	1 L	D	21, 25, 28, 40, 49, 100
Boron trifluoride propionic acid complex, liquid	8	UN1743	II	8	154	202	154	1 L	30 L	A	
Boron trifluoride propionic acid complex, solid	8	UN3420	II	8	154	212	154	15 kg	50 kg	A	
Box toe gum, see Nitrocellulose etc											
Bromates, inorganic, aqueous solution, n.o.s	5.1	UN3213	II	5.1	152	202	152	1 L	5 L	B	56, 58, 133
Bromates, inorganic, n.o.s	5.1	UN1450	III	5.1	152	203	152	2.5 L	30 L	B	56, 58, 133
Bromine	8	UN1744	I	8, 6.1	None	212	152	5 kg	25 kg	A	56, 58
						226	None	Forbiddn	Forbiddn	D	12, 25, 40, 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	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Bromine azide</i> Bromine chloride	Forbidden 2.3	UN2901		2.3, 8, 5.1	2, B9, B14, N86	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
+	Bromine pentafluoride	5.1	UN1745	I	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbidden	Forbidden	D	12, 25, 40, 66, 74, 89, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	2, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	227	249	Forbidden	Forbidden	D	12, 25, 40, 66, 74, 89, 90
+	Bromine trifluoride	5.1	UN1746	I	5.1, 6.1, 8	2, B9, B14, B32, T22, TP2, TP13, TP38, TP45	None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
	<i>4-Bromo-1,2-dinitrobenzene</i> <i>4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C)</i>	Forbidden											
	1-Bromo-3-chloropropane	6.1	UN2688	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	1-Bromo-3-methylbutane	3	UN2341	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>1-Bromo-3-nitrobenzene (unstable at 56 degrees C)</i> 2-Bromo-2-nitropropane-1,3-diol	Forbidden											
	Bromoacetic acid, solid	4.1	UN3241	III	4.1	46, IB8, IP3	151	213	None	25 kg	50 kg	C	12, 25, 40
	Bromoacetic acid, liquid	8	UN3425	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	
	Bromoacetic acid solution	8	UN1938	II	8	A7, B2, B2, T7, TP2	154	202	242	1 L	30 L	A	40
	Bromoacetone	III	UN1569	III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	40
+	Bromoacetyl bromide	6.1	UN1569	II	6.1, 3	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40
	Bromobenzene	8	UN2513	III	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53
	Bromobenzyl cyanides, liquid	3	UN2514	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Bromobenzyl cyanides, solid	6.1	UN1694	I	6.1	T14, TP2, TP13	None	201	243	Forbidden	Forbidden	D	12, 25, 40, 52, 40, 52
	Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T6, TP33	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	
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	III	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	Forbiddn		II	3	IB2, T4, TP1	150	202	242	5 L	60 L	D	40
Bromobutene-alpha, see Benzyl bromide												
Bromotrifluoroethylene	2.1	UN2419		2.1		None	304	314, 315	Forbiddn	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	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	O4	
Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized, containing more than 40% butadienes	2.1	UN1010	II	2.1	T50	306	304	314, 315	Forbiddn	150 kg	B	40
Butane see also Petroleum gases, liquefied	2.1	UN1011		2.1	19, T50	306	304	314, 315	Forbiddn	150 kg	E	40
Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams, see Receptacles, etc												
Butanediol	3	UN2346	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,2,4-Butanetriol trinitrate	Forbiddn											
Butanols	3	UN1120	III	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
tert-Butoxycarbonyl azide	Forbiddn											
Butyl acetates	3	UN1123	II	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Butyl acid phosphate	8	UN1718	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Butyl acrylates, stabilized	3	UN2348	III	8	B1, IB3, T2, TP1	154	203	241	5 L	60 L	A	
Butyl alcohols, see Butanols	3	UN2348	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Butyl benzenes	3	UN2709	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
n-Butyl bromide, see 1-Bromobutane												
n-Butyl chloride, see Chlorobutanes												
n-Butyl chloroformate	6.1	UN2743	I	6.1, 8, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	A	12, 13, 21, 25, 40, 100
Butyl ethers, see Dibutyl ethers												
Butyl ethyl ether, see Ethyl butyl ether												
n-Butyl formate	3	UN1128	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	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>tert</i> -Butyl hydroperoxide, with more than 90 percent with water	Forbidden												
	<i>tert</i> -Butyl hypochlorite	4.2	UN3255	I	4.2, 8		None	211	243	Forbidden	Forbidden	D	40	
	<i>N</i> - <i>n</i> -Butyl imidazole	6.1	UN2690	II	6.1	..... IB2, T7, TP2	153	202	243	5 L	60 L	A	
	<i>tert</i> -Butyl isocyanate	6.1	UN2484	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40	
	<i>n</i> -Butyl isocyanate	6.1	UN2485	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
	Butyl mercaptan	3	UN2347	II	3	A3, A6, IB2, T4, TP1	150	202	242	5 L	60 L	D	52, 95, 102	
	<i>n</i> -Butyl methacrylate, stabilized	3	UN2227	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Butyl methyl ether	3	UN2350	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Butyl nitrites	3	UN2351	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	40	
	<i>tert</i> -Butyl peroxyacetate, with more than 76 percent in solution	Forbidden												
	<i>n</i> -Butyl peroxydicarbonate, with more than 52 percent in solution	Forbidden												
	<i>tert</i> -Butyl peroxyisobutyrate, with more than 77 percent in solution	Forbidden												
	Butyl phosphoric acid, see Butyl propionates	3	UN1914	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	5- <i>tert</i> -Butyl-2,4,6-trinitro- <i>m</i> -xylene or Musk xylene	4.1	UN2956	III	4.1	159	None	223	None	Forbidden	Forbidden	D	12, 25, 40, 127	
	Butyl vinyl ether, stabilized	3	UN2352	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	<i>n</i> -Butylamine	3	UN1125	II	3, 8	IB2, T7, TP1	150	202	242	1 L	5 L	B	40	
	<i>n</i> -Butylamine	6.1	UN2738	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	74	
	<i>tert</i> -Butylcyclohexylchloroformate	6.1	UN2747	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 13, 25	
	Butylene see also Petroleum gases, liquefied	2.1	UN1012		2.1	19, T50	306	304	314,	Forbidden	150 kg	E	40	
	1,2-Butylene oxide, stabilized	3	UN3022	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	27, 49	
	Butyltoluenes	6.1	UN2667	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Butyltrichlorosilane	8	UN1747	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40	

1,4-Butynediol	6.1	UN2716	III	6.1	A1, IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	C	52, 53, 70
Butyraldehyde	3	UN1129	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Butyraldoxime	3	UN2840	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Butyric acid	8	UN2820	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12, 25
Butyric anhydride	8	UN2739	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Butyronitrile	3	UN2411	III	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Butyryl chloride	3	UN2353	III	3, 8	IB2, T8, TP2, TP3	150	202	243	1 L	5 L	C	40
Carboxylic acid	6.1	UN1572	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	E	52
Cadmium compounds	6.1	UN2570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
			III	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	
Caesium hydroxide	8	UN2682	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	30 L	A	29, 52
Caesium hydroxide solution	8	UN2681	II	8	B2, IB2, T7, TP2	154	212	242	1 L	30 L	A	29, 52
Calcium	4.3	UN1401	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	29, 52
			II	4.3	IB7, IP2, T3, TP33	151	212	241	15 kg	50kg	E	13, 52, 148
Calcium arsenate	6.1	UN1573	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.												
Calcium carbide	4.3	UN1402	I	4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33	None	211	242	Forbidden	15 kg	B	13, 52, 148
			II	4.3	A1, A8, B55, B59, IB7, IP2, N34, T3, TP33	151	212	241	15 kg	50 kg	B	13, 52, 148
Calcium chlorate	5.1	UN1452	II	5.1	A9, IB8, IP2, IP4, N34, N34, TP33	152	212	242	5 kg	25 kg	A	56, 58
Calcium chlorate aqueous solution	5.1	UN2429	II	5.1	A2, IB2, N41, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
			III	5.1	A2, IB2, N41, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
Calcium chlorite	5.1	UN1453	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Calcium cyanamide with more than 0.1 percent of calcium carbide	4.3	UN1403	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	13, 52, 148
Calcium cyanide	6.1	UN1575	I	6.1	IB7, IP1, N79, N80, T6, TP33	None	211	242	5 kg	50 kg	A	40, 52
Calcium dithionite or Calcium hydro-sulfite	4.2	UN1923	II	4.2	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
Calcium hydride	4.3	UN1404	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	13, 52, 148
Calcium hydrosulfite, see Calcium dithionite												
Calcium hypochlorite, dry, corrosive or Calcium hypochlorite mixture, dry, corrosive with more than 39% available chlorine (8.8% available oxygen)	5.1	UN3485	II	5.1, 8	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142

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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)	
(1)	Calcium hypochlorite, dry or Calcium hypochlorite mixture dry with more than 39% available chlorine (8.8% available oxygen)	5.1	UN1748	II	5.1	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142	
							152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
(1)	Calcium hypochlorite, hydrated, corrosive or Calcium hypochlorite, hydrated mixture, corrosive with not less than 5.5% but not more than 16% water	5.1	UN3487	II	5.1, 8	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142	
							152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
(1)	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	
							152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
(1)	Calcium hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine	5.1	UN3486	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	
							152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
(1)	Calcium hypochlorite mixture, dry, with more than 10% but not more than 39% available chlorine	5.1	UN2208	III	5.1	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
							151	213	241	25 kg	100 kg	A	13, 52, 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)
	Carbamate pesticides, solid, toxic	6.1	UN2757		6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	<i>Carbolic acid, see Phenol, solid or Phenol, molten</i>												
	<i>Carbolic acid solutions, see Phenol solutions</i>												
I	Carbon, activated	4.2	UN1362		4.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	0.5 kg	A	12, 25
I	Carbon, animal or vegetable origin	4.2	UN1361		4.2	IB6, T3, TP33	None	212	242	Forbidden	Forbidden	A	12, 25
	<i>Carbon bisulfide, see Carbon disulfide</i>												
	Carbon dioxide	2.2	UN1013		2.2		306	302, 304	302, 314, 315	75 kg	150 kg	A	
	Carbon dioxide, refrigerated liquid	2.2	UN2187		2.2	T75, TP5	306	304	314, 315	50 kg	500 kg	D	
A W	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	None	201	243	Forbidden	Forbidden	D	40, 78, 115
	Carbon monoxide, compressed	2.3	UN1016		2.3, 2.1		None	302	314, 315	Forbidden	25 kg	D	40
D	Carbon monoxide, refrigerated liquid (<i>cryogenic liquid</i>)	2.3	NA9202		2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	
	Carbon tetrabromide	6.1	UN2516	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25
	Carbon tetrachloride	6.1	UN1846	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40
	<i>Carbonyl chloride, see Phosgene</i>												
	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>												

§ 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	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) Cartridges, signal Cartridges, signal Cartridges, signal Cartridges, small arms ORIM-D	1.3G	UN0054	II	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
		1.4G	UN0312	II	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
		1.4S	UN0405	II	1.4S	.....	None	62	None	25 kg	100 kg	01	25
		ORIM-D		.....	None	222	None	None	30 kg gross	Forbidden	Forbidden	A	
		1.4S	UN0055	II	1.4S	50	63	62	None	25 kg	100 kg	01	25
		1.4C	UN0379	II	1.4C	50	None	62	None	Forbidden	75 kg	02	25
		1.4C	UN0446	II	1.4C	None	62	None	Forbidden	75 kg	02	25
		1.3C	UN0447	II	1.3C	None	62	None	Forbidden	Forbidden	04	25
		9	UN2969	II	None	II	None	IB8, IP2, IP4, T3, TP33	155	204	No limit	No limit	E	34, 40, 44, 122
		8	UN1719	III	8	III	8	B2, IB2, T11, TP2, TP27 IB3, T7, TP1, TP28	154 154	202 203	1 L 5 L	30 L 60 L	A A	29, 52 29, 52
G	Caustic potash, see Potassium hydroxide etc Caustic soda, (etc.) see Sodium hydroxide etc Cells, containing sodium Celluloid, in block, rods, sheets, tubes, etc., except scrap Celluloid, scrap Cement, see Adhesives containing flammable liquid	4.3	UN3292	II	4.3	.....	189	189	189	25 kg	No limit	A	
		4.1	UN2000	III	4.1	.....	None	213	240	25 kg	100 kg	A	
		4.2	UN2002	III	4.2	IB8, IP3	None	213	241	Forbidden	Forbidden	D		

D	4.1	UN1333	II	4.1	IB8, IP2, IP4, N34	None	212	240	15 kg	50 kg	A	13, 74, 91, 147, 148
	4.3	UN3078	II	4.3	A1, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	13, 52, 148
	4.3	UN1407	I	4.3	A7, A19, IB4, IP1, N34, N40	None	211	242	Forbidden	15 kg	D	13, 52, 148
	5.1	UN1451	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	4.2	NA1361	III	4.2	IB8, T1, TP33	151	213	240	25 kg	100 kg	A	12
	1.1D	UN0457	II	1.1D	None	62	None	Forbidden	Forbidden	04	25
	1.2D	UN0458	II	1.2D	None	62	None	Forbidden	Forbidden	04	25
	1.4D	UN0459	II	1.4D	None	62	None	Forbidden	75 kg	02	25
	1.4S	UN0460	II	1.4S	347	None	62	None	25 kg	100 kg	01	25
	1.1D	UN0048	II	1.1D	None	62	62	Forbidden	Forbidden	04	25
	1.1D	UN0056	II	1.1D	None	62	62	Forbidden	Forbidden	04	25
	1.1D	UN0442	II	1.1D	None	62	None	Forbidden	Forbidden	04	25
	1.2D	UN0443	II	1.2D	None	62	None	Forbidden	Forbidden	04	25
	1.4D	UN0444	II	1.4D	None	62	None	Forbidden	75 kg	02	25
	1.4S	UN0445	II	1.4S	347	None	62	None	25 kg	100 kg	01	25
1.1C	UN0271	II	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25
1.3C	UN0272	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
1.2C	UN0415	II	1.2C	.....	None	62	None	Forbidden	Forbidden	04	25
1.4C	UN0491	II	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
1.3C	UN0242	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
1.1C	UN0279	II	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25
1.2C	UN0414	II	1.2C	.....	None	62	None	Forbidden	Forbidden	04	25
1.4D	UN0237	II	1.4D	.....	None	62	None	Forbidden	75 kg	02	25
1.1D	UN0288	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
1.1D	UN0059	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
1.2D	UN0439	II	1.2D	.....	None	62	None	Forbidden	Forbidden	04	25
1.4D	UN0440	II	1.4D	.....	None	62	None	Forbidden	75 kg	02	25
1.4S	UN0441	II	1.4S	347	None	62	None	25 kg	100 kg	01	25	
1.1D	UN0060	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
8	NA1760	II	8	.....	154	161	None	1 L	30 L	B	40
9	UN3316	II	9	.....	15	161	None	10 kg	10 kg	A	40
2.2	UN3503	.....	2.2, 8	.....	15	161	None	10 kg	100 kg	D	40
2.1	UN3505	.....	2.1, 8	.....	362, T50, TP40	None	335	Forbidden	Forbidden	D	40
		.....	.....	.....	362, T50, TP40	None	335	Forbidden	75 kg	D	40
D												
G												
G												

§ 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	Chemical under pressure, flammable, n.o.s	2.1	UN3501	.....	2.1	362, T50, TP40	None	335	313, 315	Forbidden	75 kg	D	40
G	Chemical under pressure, flammable, toxic, n.o.s	2.1	UN3504	.....	2.1, 6.1	362, T50, TP40	None	335	313, 315	Forbidden	75 kg	D	40
G	Chemical under pressure, n.o.s	2.2	UN3500	.....	2.2	362, T50, TP40	None	335	313, 315	75 kg	150 kg	B	40
G	Chemical under pressure, toxic, n.o.s	2.2	UN3502	.....	2.2, 6.1	362, T50, TP40	None	335	313, 315	Forbidden	100 kg	D	40
	Chloral, anhydrous, stabilized	6.1	UN2075	II	6.1	IB2, T7, TP2	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	152	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	152	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	152	212	240	5 kg	25 kg	A	56, 58
	Chlorate of potash, see Potassium chlorate					A9, IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	Chlorate of soda, see Sodium chlorate					A9, IB2, N34, T4, TP1	152	202	242	1 L	5 L	A	56, 58, 133
G	Chlorates, inorganic, aqueous solution, n.o.s	5.1	UN3210	II	5.1	A9, IB2, N34, T4, TP1	152	203	241	2.5 L	30 L	A	56, 58, 133
	Chlorate of potash, see Potassium chlorate					351, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
	Chlorate of soda, see Sodium chlorate					351, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
G	Chlorates, inorganic, n.o.s	5.1	UN1461	II	5.1	351, A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Chloric acid aqueous solution, with not more than 10 percent chloric acid					IB2, T4, TP1	None	229	None	Forbidden	Forbidden	D	56, 58
	Chloride of phosphorus, see Phosphorus trichloride												
	Chloride of sulfur, see Sulfur chloride												

D	Chlorinated lime, see Calcium hydroxide mixtures, etc	2.3	UN1017	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	2.3	UN3520	2.3, 5.1, 8	2, B9, B14, N86	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
	Chlorine, adsorbed	Forbidden	NA9191	5.1, 6.1		None	229	None	Forbidden	Forbidden	E	
	Chlorine azide	5.1										
	Chlorine dioxide, hydrate, frozen	Forbidden										
	Chlorine dioxide (not hydrate)	2.3	UN2548	2.3, 5.1, 8	1, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90
	Chlorine pentafluoride	2.3		2.3, 5.1, 8	2, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90
	Chlorine trifluoride	2.3	UN1749	2.3, 5.1, 8	A3, A6, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26, 44, 89, 100, 141
	Chlorite solution	8	UN1908	II 8	A3, A6, A7, B2, IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 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	56, 58
G	1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b	2.1	UN2517	2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	3-Chloro-4-methylphenyl isocyanate, liquid	6.1	UN2236	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-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124	2.2	UN1021	2.2	T50	306	304	314, 315	75 kg	150 kg	A	40
	4-Chloro-o-toluidine hydrochloride, solid	6.1	UN1579	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	4-Chloro-o-toluidine hydrochloride, solution	6.1	UN3410	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a	2.2	UN1983	2.2	T50	306	304	314, 315	75 kg	150 kg	A	40
	Chloroacetic acid, molten	6.1	UN3250	6.1, 8	IB1, T7, TP3, TP28	None	202	243	Forbidden	Forbidden	C	40
	Chloroacetic acid, solid	6.1	UN1751	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	15 kg	50 kg	C	40
	Chloroacetic acid, solution	6.1, 8	UN1750	II 6.1, 8	A7, IB2, N34, T7, TP2	153	202	243	1 L	30 L	C	40
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	

§ 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)
	Chloroacetone (unstabilized) Chloroacetonitrile	Forbidden 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, (CN)	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
	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	
	Chlorobenzol, see Chlorobenzene												
	Chlorobenzotrifluorides	3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Chlorobenzyl chlorides, liquid	6.1	UN2235	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Chlorobenzyl chlorides, solid	6.1	UN3427	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Chlorobutanes	3	UN1127	II	3	IB2, T4, TP1	150	202	242	60 L	60 L	B	
	Chlorocresols solution	6.1	UN2669	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25
	Chlorocresols, solid	6.1	UN3437	III	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	12, 25
	Chlorodifluorobromomethane or Refrigerant gas R 12B1	2.2	UN1974	II	2.2	IB8, IP2, IP4, T3, TP33, T50	306	304	314, 315	25 kg	100 kg	A	12, 25
	Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane	2.2	UN1973	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Chlorodifluoromethane or Refrigerant gas R 22	2.2	UN1018	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Chlorodinitrobenzenes, liquid.	6.1	UN1577	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	91
	Chlorodinitrobenzenes, solid	6.1	UN3441	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
	2-Chloroethanal	6.1	UN2232	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40

G	Chloroform Chloroformates, toxic, corrosive, flammable, n.o.s.	6.1 UN1888	III	6.1, 8,	IB3, N36, T7, TP2	153	203	241	60 L	220 L	A	40
		6.1 UN2742	II	6.1, 8, 3	5, IB1, T7, TP2	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
G	Chloroformates, toxic, corrosive, n.o.s. Chloromethyl chloroformate	6.1 UN3277	II	6.1, 8	IB2, T8, TP2, TP13,	153	202	243	1 L	30 L	A	12, 13, 25, 40
		6.1 UN2745	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 25, 40
+	Chloromethyl ethyl ether Chloronitroarilines	3 UN2354	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
		6.1 UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	44, 89, 100, 141
+	Chloronitrobenzenes, liquid Chloronitrobenzenes, solid Chloronitrotoluenes, liquid	6.1 UN3409	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	44, 89, 100, 141
		6.1 UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
+	Chloronitrotoluenes, liquid Chloronitrotoluenes, solid Chlorophenols, liquid Chlorophenols, solid Chlorophenytrichlorosilane	6.1 UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
		6.1 UN3457	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	44, 89, 100, 141
+	Chloropentfluoroethane or Refrigerant gas R 115 Chlorophenolates, liquid or Phenolates, liquid Chlorophenolates, solid or Phenolates, solid Chlorophenols, liquid Chlorophenols, solid Chlorophenytrichlorosilane	2.2 UN1020	III	2.2	IB8, IP3, T1, TP33	306	304	314,	25 kg	200 kg	A	40
		8 UN2904	III	8	IB3	154	203	241	5 L	60 L	A	40
+	Chloropicrin Chloropicrin and methyl bromide mixtures Chloropicrin and methyl chloride mixtures Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc	8 UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
		6.1 UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
G	Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc	6.1 UN2020	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
		8 UN1753	II	8	A7, B2, B6, N34, T10,	None	206	242	Forbidden	30 L	C	40
D	Chloroplatinic acid, solid Chloroprene, stabilized Chloroprene, uninhibited 1-Chloropropane 2-Chloropropane	6.1 UN1580	I	6.1	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
		2.3 UN1581	II	2.3	2, B9, B14, N86, T50	None	193	314,	Forbidden	Forbidden	D	25, 40
G	Chloropivaloyl chloride	2.3 UN1582	II	2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
		6.1 UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
D	Chloroprene, uninhibited	6.1 NA9263	III	6.1, 8	IB2 IB3	153 153	202 203	243 241	Forbidden	Forbidden	C	40
		8 UN2507	III	8	2, B9, B14, B32, T20,	None	227	244	Forbidden	Forbidden	B	40
G	Chloroprene, uninhibited	3 UN1991	I	3, 6.1	TP4, TP13, TP38, TP45	154	213	240	25 kg	100 kg	A	40
		3 UN1278	II	3	IB8, IP3, T1, TP33	None	201	243	Forbidden	30 L	D	40
G	Chloroprene, uninhibited	3 UN2356	I	3	B57, T14, TP2, TP13	150	202	242	Forbidden	60 L	E	40
		3 UN2356	I	3	IB2, IP8, N34, T7, TP2 N36, T11, TP2, TP13	150	201	243	1 L	30 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	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	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	A3, 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
	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
	Chlorosilanes, corrosive, n.o.s.	8	UN2987	II	8	B2, T14, TP2, TP7, TP13, TP27	None	206	242	Forbidden	30 L	C	40
	Chlorosilanes, flammable, corrosive, n.o.s.	3	UN2985	II	3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	5 L	B	40
	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, 125
	Chlorosilanes, toxic, corrosive, n.o.s.	6.1	UN3361	II	6.1, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40
	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D	13, 21, 28, 40, 49, 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	C	40
	Chlorotoluenes	3	UN2238	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 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	75 kg	150 kg	A	
	Chlorotrifluoromethane or Refrigerant gas R 13	2.2	UN1022		2.2		306	304	314, 315	75 kg	150 kg	A	40, 44, 89, 100, 141
	Chromic acid solution	8	UN1755	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	

	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 44, 89, 100, 141
<i>Chromic anhydride, see Chromium trioxide, anhydrous</i>										
<i>Chromic fluoride, solid</i>	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
<i>Chromic fluoride, solution</i>	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
<i>Chromium nitrate</i>	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
<i>Chromium oxychloride</i>	I	8	A3, A6, A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90
<i>Chromium trioxide, anhydrous</i>	II	5.1, 6.1, 8	IB8, IP2, IP4, T3, TP33	None	212	242	5 kg	25 kg	A	66, 90
<i>Chromosulfuric acid</i>	I	8	A3, A6, A7, B4, B6, N34, T10, TP2, TP13	None	201	243	0.5L	2.5L	B	40, 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>										
<i>Coal tar distillates, flammable</i>										
<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>										
<i>Cobalt naphthenates, powder</i>	II	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
<i>Cobalt resinates, precipitated</i>	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Coke, hot</i>	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
<i>Collodion, see Nitrocellulose etc</i>										
<i>Combustible liquid, n.o.s.</i>	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
<i>Components, explosive train, n.o.s</i>	II	1.2B	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
<i>Components, explosive train, n.o.s</i>	II	1.4B	A19, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
<i>Components, explosive train, n.o.s</i>	II	1.4S	A1, A19, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	
<i>Components, explosive train, n.o.s</i>	II	1.4S	IB3, T1, T4, TP1	150	203	241	60 L	220 L	A	25
	II	1.4B	101	None	62	None	Forbidden	Forbidden	05	25
	II	1.4S	101	None	62	None	Forbidden	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 (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Components, explosive train, n.o.s <i>Compositor B, see Hexollite, etc</i>	1.1B	UN0461	II	1.1B	101	None	62	None	Forbidden	Forbidden	05	25
D G	Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
D G	Compounds, cleaning liquid	3	NA1993	III	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
D G	Compounds, cleaning liquid	3	NA1993	I	3	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	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	I	3	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 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	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, T7, TP1, TP8, TP28	153	202	242	5 L	60 L	B	40
G	Compressed gas, n.o.s.	2.2	UN1956	II	2.2	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	40
G	Compressed gas, oxidizing, n.o.s.	2.2	UN3156	II	2.2, 5.1	A14	306, 307	302, 305	314, 315	75 kg	150 kg	A	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3304	III	2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3304	III	2.3, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3304	III	2.3, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40

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G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3304	2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3305	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40
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

§ 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	Consumer commodity	ORM-D		.....	None	222	156, 306	156, 306	None	30 kg gross	Forbidden	A	
	Consumer commodity	9	ID8000		9		167	167	None	30 kg gross	30 kg gross		
G	Contrivances, water-activated, with burster, expelling charge or propelling charge	1.2L	UN0248	II	1.2L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with burster, expelling charge or propelling charge	1.3L	UN0249	II	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 acetylacide	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			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			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C			III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Copper based pesticides, liquid, toxic	6.1	UN3009	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, solid, toxic	6.1	UN2775	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper chlorate	5.1	UN2721	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	100 kg	25 kg	A	56, 58

A W	Copper chloride	8	UN2802	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52	
	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	153	204	242	25 kg	100 kg	A		
	Copper selenate, see Selenates or Selenites													
	Copper selenite, see Selenates or Selenites													
	Copper tetramine nitrate	Forbidden												
	Copra	4.2	UN1363	III	4.2	IB8, IP3, IP7	None	213	241	Forbidden	Forbidden	Forbidden	A	13, 25, 119
	Cord, detonating, flexible	1.1D	UN0065	II	1.1D	102	63(a)	62	None	Forbidden	Forbidden	Forbidden	04	25
	Cord, detonating, flexible	1.4D	UN0289	II	1.4D	None	62	None	Forbidden	Forbidden	Forbidden	02	25
	Cord, detonating or Fuse detonating metal clad	1.2D	UN0102	II	1.2D	None	62	None	Forbidden	Forbidden	Forbidden	04	25
	Cord, detonating or Fuse, detonating metal clad	1.1D	UN0290	II	1.1D	None	62	None	Forbidden	Forbidden	Forbidden	04	25
Cord, detonating, mild effect or Fuse, detonating, mild effect metal clad	1.4D	UN0104	II	1.4D	.....	None	62	None	Forbidden	75 kg	75 kg	02	25
Cord, igniter	1.4G	UN0066	II	1.4G	.....	None	62	None	Forbidden	75 kg	75 kg	02	25
Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible														
Cordite, see Powder, smokeless														
Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3264	I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	2.5 L	B	40	
Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	30 L	B	40	
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	60 L	A	40	
			I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	2.5 L	B	40	
Corrosive liquid, basic, inorganic, n.o.s.	8	UN3266	I	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	30 L	B	40	
			II	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	60 L	A	40, 52	
			I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	2.5 L	B	40, 52	
Corrosive liquid, basic, organic, n.o.s.	8	UN3267	II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	30 L	B	40, 52	
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	60 L	A	40, 52	
			I	8, 4.2	A6, B10	None	201	243	0.5 L	2.5 L	2.5 L	D	40, 52	
Corrosive liquid, self-heating, n.o.s.	8	UN3301	II	8, 4.2	B2, IB1	154	202	242	1 L	30 L	30 L	D	40, 52	
Corrosive liquids, flammable, n.o.s.	8	UN2920	I	8, 3	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	2.5 L	C	25, 40	
Corrosive liquids, n.o.s.	8	UN1760	II	8, 3	B2, IB2, T11, TP2, TP27	None	202	243	1 L	30 L	30 L	C	25, 40	
			I	8	A6, A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	2.5 L	B	40	
Corrosive liquids, oxidizing, n.o.s.	8	UN3093	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	30 L	B	40	
			I	8, 5.1	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	60 L	A	40	
			II	8, 5.1	A6, A7, IB2	None	201	243	Forbidden	Forbidden	Forbidden	C	89	
			II	8, 5.1	A6, A7, IB2	None	202	243	1 L	30 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	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Corrosive liquids, toxic, n.o.s.	8	UN2922	I	8, 6.1	A6, 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
							154	203	241	5 L	60 L	B	40
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	I	8, 4.3	A6, A7	None	201	243	Forbidden	1 L	E	13, 148
							None	202	243	1 L	5 L	E	13, 148
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
							154	213	240	25 kg	100 kg	A	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
							154	212	240	15 kg	50 kg	B	
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
							154	211	242	1 kg	25 kg	B	
G	Corrosive solids, flammable, n.o.s.	8	UN2921	I	8, 4.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	52
							154	213	240	25 kg	100 kg	A	52
G	Corrosive solids, n.o.s.	8	UN1759	II	8	128, IB8, IP2, IP4, T3, TP33	None	211	242	1 kg	50 kg	B	12, 25
							154	212	240	15 kg	50 kg	A	12, 25
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084	III	8, 5.1	IB6, IP2, T3, TP33	154	213	240	25 kg	100 kg	A	52
							154	211	242	1 kg	25 kg	C	
G	Corrosive solids, self-heating, n.o.s.	8	UN3095	II	8, 4.2	IB6, IP2, T3, TP33	None	212	243	1 kg	50 kg	C	
							None	211	242	15 kg	50 kg	B	
G	Corrosive solids, toxic, n.o.s.	8	UN2923	III	8, 6.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	40
							154	213	240	25 kg	100 kg	B	40
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

D W	Cotton	9	NA1365	II	8, 4.3	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	13, 148
A W	Cotton waste, oily	4.2	UN1364	III	9	137, IB8, IP2, IP4, W41	None	None	None	No limit	No limit	A	
A 1 W	Cotton, wet	4.2	UN1365	III	4.2	IB8, IP3, IP7	None	213	None	Forbiddn	Forbiddn	A	54
	Coumarin derivative pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C	4.2	UN1365	III	4.2	IB8, IP3, IP7	None	204	241	Forbiddn	Forbiddn	A	
		3	UN3024	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	B	40
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Coumarin derivative pesticides, liq-uid, toxic	6.1	UN3026	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
	Coumarin derivative pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3025	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, TP1, TP28	153	203	242	60 L	220 L	A	40
	Coumarin derivative pesticides, solid, toxic	6.1	UN3027	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
	Cresols, liquid	6.1	UN2076	II	6.1, 8	IB2, IP2, IP4, T7, TP2	153	202	243	1 L	30 L	B	
	Cresols, solid	6.1	UN3455	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	
	Cresylic acid	6.1	UN2022	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	B	
	Crotonaldehyde or Crotonaldehyde, stabilized	6.1	UN1143	I	6.1, 3	2, 175, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
	Crotonic acid, liquid	8	UN3472	III	8	IB8, T1	154	203	241	5 L	60 L	A	12, 25
	Crotonic acid, solid	8	UN2823	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25
	Crotonylene	3	UN1144	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	Cupriethylenediamine solution	8	UN1761	III	8, 6.1	IB2, T7, TP2	154	202	243	1 L	30 L	A	
				III	8, 6.1	IB3, T7, TP1, TP28	154	203	242	5 L	60 L	A	95
	Cutters, cable, explosive	1.4S	UN0070	II	1.4S	.....	None	62	62	25 kg	100 kg	01	25
	Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.												
G	Cyanide solutions, n.o.s.	6.1	UN1935	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52
				III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52
				I	6.1	IB7, IP1, N74, N75, T6, TP28	None	211	242	5 kg	50 kg	A	52
				II	6.1	IB8, IP2, IP4, N74, N75, TP33	153	212	242	25 kg	100 kg	A	52
				III	6.1	IB8, IP3, N74, N75, T1, TP33	153	213	240	100 kg	200 kg	A	52

§ 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)	
	Cyanogen	2.3	UN1026		2.3, 2.1	2		None (8A)	304 (8B)	245 (8C)	Forbidden (9B)		40 (10B)	
	Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8, T6, TP33		None (8A)	211 (8B)	242 (8C)	1 kg (9A)	Forbidden (9B)	D (10A)	40, 52 (10B)
	Cyanogen chloride, stabilized	2.3	UN1589		2.3, 8	1		None (8A)	192 (8B)	245 (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
	Cyanuric chloride	8	UN2670	II	8	IB8, IP2, IP4, T3, TP33		None (8A)	212 (8B)	240 (8C)	15 kg (9A)	50 kg (9B)	A (10A)	12, 25, 40 (10B)
	Cyclobutane	2.1	UN2601		2.1			306 (8A)	304 (8B)	314 (8C)	Forbidden (9A)	150 kg (9B)	B (10A)	40 (10B)
	Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8, 3	IB1, T7, TP2, TP13		153 (8A)	202 (8B)	243 (8C)	1 L (9A)	30 L (9B)	A (10A)	12, 13, 21, 25, 40, 100 (10B)
	1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	IB3, T4, TP1		153 (8A)	203 (8B)	241 (8C)	60 L (9A)	220 L (9B)	A (10A)	40 (10B)
	Cycloheptane	3	UN2241	II	3	IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9A)	60 L (9B)	B (10A)	40 (10B)
	Cycloheptatriene	3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13		150 (8A)	202 (8B)	243 (8C)	1 L (9A)	60 L (9B)	E (10A)	40 (10B)
	Cycloheptene	3	UN2242	II	3	B1, IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9A)	60 L (9B)	B (10A)	40 (10B)
	Cyclohexane	3	UN1745	III	3	IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9A)	60 L (9B)	E (10A)	40 (10B)
	Cyclohexanone	3	UN1915	III	3	B1, IB3, T2, TP1		150 (8A)	203 (8B)	242 (8C)	5 L (9A)	220 L (9B)	A (10A)	40 (10B)
	Cyclohexene	3	UN2256	II	3	IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9A)	60 L (9B)	E (10A)	40 (10B)
	Cyclohexenyltrichlorosilane	8	UN1762	II	8	A7, B2, N34, T10, TP2, TP7, TP13		None (8A)	206 (8B)	242 (8C)	Forbidden (9A)	30 L (9B)	C (10A)	40 (10B)
	Cyclohexyl acetate	3	UN2243	III	3	B1, IB3, T2, TP1		150 (8A)	203 (8B)	242 (8C)	60 L (9A)	220 L (9B)	A (10A)	40 (10B)
	Cyclohexyl isocyanate	6.1	UN2488	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45		None (8A)	227 (8B)	244 (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
	Cyclohexyl mercaptan	3	UN3054	III	3	B1, IB3, T2, TP1		150 (8A)	203 (8B)	242 (8C)	60 L (9A)	220 L (9B)	A (10A)	40, 95, 102 (10B)
	Cyclohexylamine	8	UN2357	II	8, 3	IB2, T7, TP2		None (8A)	202 (8B)	243 (8C)	1 L (9A)	30 L (9B)	A (10A)	40 (10B)
	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T10, TP2, TP7, TP13		None (8A)	206 (8B)	242 (8C)	Forbidden (9A)	30 L (9B)	C (10A)	40 (10B)
	Cyclonite and cyclotetramethylenetetramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc Cyclonite and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized 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)	
D	Cymenes	3	UN2046	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Dangerous Goods in Machinery or Dangerous Goods in Apparatus	9	UN3363			136, A105	None	222	None	See A105	See A105	A.		
	Decaborane	4.1	UN1868	II	4.1, 6.1	A19, A20, IB6, IP2, T3, TP33	None	212	None	Forbidden	50 kg	A	74	
	Decahydronaphthalene	3	UN1147	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	n-Decane	3	UN2247	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Deflagrating metal salts of aromatic nitroderivatives, n.o.s	1.3C	UN0132	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Delay electric igniter, see Igniters													
	Denatured alcohol	3	NA1987	II	3	172, T8	150	202	242	5 L	60 L	B		
	Depth charges, see Charges, depth													
	Desensitized explosive, liquid, n.o.s.	3	UN3379	I	3	164	None	201	None	Forbidden	Forbidden	D	36	
G	Desensitized explosive, solid, n.o.s.	4.1	UN3380	I	4.1	164	None	211	None	Forbidden	Forbidden	D	28, 36	
	Detonating relays, see Detonators, etc													
	Detonator assemblies, non-electric for blasting	1.1B	UN0360	II	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
	Detonator assemblies, non-electric, for blasting	1.4B	UN0361	II	1.4B	103	63(f)	62	None	Forbidden	75 kg	05	25	
	Detonator assemblies, non-electric, for blasting	1.4S	UN0500	II	1.4S	347	63(f)	62	None	25 kg	100 kg	01	25	
	Detonators, electric, for blasting	1.1B	UN0030	II	1.1B	.....	63(f)	62	None	Forbidden	Forbidden	05	25
	Detonators, electric, for blasting	1.4B	UN0255	II	1.4B	103	63(f)	62	None	Forbidden	75 kg	05	25	
	Detonators, electric, for blasting	1.4S	UN0456	II	1.4S	347	63(f)	62	None	25 kg	100 kg	01	25	
	Detonators for ammunition	1.1B	UN0073	II	1.1B	.....	63(g)	62	None	Forbidden	Forbidden	05	25
	Detonators for ammunition	1.2B	UN0364	II	1.2B	.....	None	62	None	Forbidden	Forbidden	05	25
	Detonators for ammunition	1.4B	UN0365	II	1.4B	103	None	62	None	Forbidden	75 kg	05	25	
	Detonators for ammunition	1.4S	UN0366	II	1.4S	347	None	62	None	25 kg	100 kg	01	25	
	Detonators, non-electric, for blasting	1.1B	UN0029	II	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
	Detonators, non-electric, for blasting	1.4B	UN0267	II	1.4B	103	63(f)	62	None	Forbidden	75 kg	05	25	
	Detonators, non-electric, for blasting	1.4S	UN0455	II	1.4S	347	63(f)	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 (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
D	Diazodinitrophenol (dry) Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass Diazodiphenylmethane Diazonium nitrates (dry) Diazonium perchlorates (dry) 1,3-Diazopropane Dibenzyl peroxycarbonate, with more than 87 percent with water Dibenzylchlorosilane Diborane	Forbidden 1.1A	UN0074	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25		
		Forbidden 2.3	UN1911	II	2.3, 2.1	B2, T10, TP2, TP7, TP13, 1, N89	154	206	242	Forbidden	Forbidden	C	40		
		Forbidden 2.1	NA1911		2.1	5	None	302	None	Forbidden	Forbidden	D	40, 57		
		Forbidden 6.1	UN2648	II	6.1	IB2	153	202	243	5 L	60 L	B	40		
		Forbidden 6.1	UN2872	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A			
		A	Dibromodifluoromethane, F12B2 1,2-Dibromoethane, see Ethylene dibromide Dibromomethane Dibutyl ethers Dibutylaminoethanol N,N'-Dichloroazodicarbonamidine (salts of) (dry) 1,1-Dichloro-1-nitroethane	Forbidden 9	UN1941	III	None	T11, TP2	155	203	241	100 L	220 L	A	25
				Forbidden 6.1	UN2664	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
				Forbidden 3	UN1149	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
				Forbidden 6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
		D	3,5-Dichloro-2,4,6-trifluoropyridine Dichloroacetic acid 1,3-Dichloroacetone Dichloroacetyl chloride	Forbidden 6.1	UN2650	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25, 40, 74, 40
Forbidden 6.1	NA9264			I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A			
Forbidden 8	UN1764			II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A			
Forbidden 6.1	UN2649			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 25, 40, 40		
		Forbidden 8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D			

+	Dichloroacetylene	Forbidden	UN1590	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Dichloroanilines, liquid	6.1	UN3442	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
+	Dichloroanilines, solid	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	o-Dichlorobenzene	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	
	2,2'-Dichlorodiethyl ether	2.2	UN2602	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodifluoromethane and difluoroethane azeotropic mixture	Forbidden											
	or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane	2.2	UN1028		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodifluoromethane or Refrigerant gas R 12	6.1	UN2249	I	6.1, 3	None	None	201	243	Forbidden	Forbidden	B	40
	Dichlorodimethyl ether, symmetrical	3	UN2362	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	1,1-Dichloroethane	Forbidden											
	1,2-Dichloroethane, see Ethylene dichloride	Forbidden											
	Dichloroethyl sulfide	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	
1,2-Dichloroethylene	2.2	UN1029	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A		
Dichlorodifluoromethane or Refrigerant gas R21	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13	
Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	6.1	UN2490	II	6.1	IB2, T7, TP2	153	203	243	5 L	60 L	B		
Dichloroisopropyl ether	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	202	241	60 L	220 L	A		
Dichloromethane	3	UN1152	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Dichloropentanes	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40	
Dichlorophenyl isocyanates	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40	
Dichlorophenyltrichlorosilane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B		
1,2-Dichloropropane	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25, 40	
1,3-Dichloropropanol-2													
Dichloropropene and propylene dichloride mixture, see 1,2-Dichloropropane													
Dichloropropenes	3	UN2047	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
Dichlorosilane	2.3	UN2189	III	2.3, 2.1, 8	B1, IB3, T2, TP1, 2, B9, B14	None	304	314, 315	60 L	220 L	A		
													17, 40
1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114	2.2	UN1958	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A		
Dichlorovinylchloroarsine	Forbidden												
Dicycloheptadiene, see Bicyclo[2,2,1]hepta-2,5-diene, stabilized													
Dicyclohexylamine	8	UN2565	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	25	
Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A		
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		

§ 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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(9C) Bulk	(10A) Loca-tion	(10B) Other
D	Diesel fuel	3	NA1993	III	None	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A		
I	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												
	Diethoxymethane	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 peroxycarbonate, 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	
	2-Diethylaminoethanol	8	UN2686	II	8, 3	B2, IB2, T7, TP2	None	202	243	1 L	30 L	A		
	3-Diethylamino-propylamine.	3	UN2684	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A		
	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	30 L	C	40	
	<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	II	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		
	<i>Diethylgold bromide</i>	Forbidden												
	Diethylthiophosphoryl chloride	8	UN2751	II	8	B2, IB2, T7, TP2	None	212	240	15 kg	50 kg	D	12, 25, 40	
	<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	Forbidden	150 kg	B	40	
	1,1-Difluoroethylene or Refrigerant gas R 1132a	2.1	UN1959		2.1		306	304	None	Forbidden	150 kg	E	40	

UN3252	2.1	UN1768	8	2.1	T50	306	302	314, 315	Forbiddn	150 kg	D	40
Diffuoromethane or Refrigerant gas R. 32	2.1	UN1768	8	II	8	A6, A7, B2, IB2, N5, N34, T8, TP2	202	242	1 L	30 L	A	40
Difluorophosphoric acid, anhydrous	3	UN2376	3	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	
2,3-Dihydropropan 1,8-Dihydroxy-2,4,5,7-tetraaminoanthraquinone (chrysaminic acid)	Forbiddn											
Diacetoacetyl/ene	Forbiddn											
Disobutyl ketone	3	UN1157	III	III	3	B1, B3, T2, TP1	203	242	60 L	220 L	A	
Disobutylamine	3	UN2361	III	III	3, 8	B1, IB3, T4, TP1	203	242	5 L	60 L	A	
Diisobutylene, isomeric compounds	3	UN2050	II	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	
Diisooctyl acid phosphate	8	UN1902	III	III	8	IB3, T4, TP1	203	241	5 L	60 L	A	
Diisopropyl ether	3	UN1159	II	II	3	IB2, T4, TP1	202	242	5 L	60 L	E	40
Diisopropylamine	3	UN1158	II	II	3, 8	IB2, T7, TP1	202	243	1 L	5 L	B	
Diisopropylbenzene, hydroperoxide, with more than 72 percent in solution	Forbiddn											
Diketene, stabilized	6.1	UN2521	I	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	227	244	Forbiddn	Forbiddn	D	26, 27, 40
1,2-Dimethoxyethane	3	UN2252	II	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	
1,1-Dimethoxyethane	3	UN2377	II	II	3	IB2, T7, TP1	202	242	5 L	60 L	B	
Dimethyl carbonate	3	UN1161	II	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	
Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride												
2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water	Forbiddn											
Dimethyl disulfide	3	UN2381	II	II	3, 6.1	IB2, T7, TP2, TP13, TP39	202	242	Forbiddn	Forbiddn	B	40
Dimethyl ether	2.1	UN1033	2.1	II	2.1	T50	304	314, 315	Forbiddn	150 kg	B	40
Dimethyl-N-propylamine	3	UN2266	II	II	3, 8	IB2, T7, TP2, TP13	202	243	1 L	5 L	B	40
Dimethyl sulfate	6.1	UN1595	I	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	227	244	Forbiddn	Forbiddn	D	40
Dimethyl sulfide	3	UN1164	II	II	3	IB2, IP8, T7, TP2	202	242	5 L	60 L	E	40
Dimethyl thiophosphoryl chloride	6.1	UN2267	II	II	6.1, 8	IB2, T7, TP2	202	243	1 L	30 L	B	25
Dimethylamine, anhydrous	2.1	UN1032	2.1	II	2.1	N87, T50	304	314, 315	Forbiddn	150 kg	D	40
Dimethylamine solution	3	UN1160	II	II	3, 8	IB2, T7, TP1	202	243	1 L	5 L	B	52.
2-Dimethylaminoacetone	3	UN2378	II	II	3, 6.1	IB2, T7, TP1	202	243	1 L	60 L	A	40, 52
2-Dimethylaminoethanol	8	UN2051	II	II	8, 3	B2, IB2, T7, TP2	202	243	1 L	30 L	A	
2-Dimethylaminoethyl acrylate	6.1	UN3302	II	II	6.1	B2, IB2, T7, TP2	202	243	5 L	60 L	D	25
2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	B	40
N,N-Dimethylaniline	6.1	UN2253	II	II	6.1	IB1, T7, TP2	202	243	5 L	60 L	A	
2,3-Dimethylbutane	3	UN2457	II	II	3	IB2, T7, TP1	202	242	5 L	60 L	E	
1, 3-Dimethylbutylamine	3	UN2379	II	II	3, 8	IB2, T7, TP1	202	243	1 L	5 L	B	52.
Dimethylcarbamoyl chloride	8	UN2262	II	II	8	B2, IB2, T7, TP2	202	242	1 L	30 L	A	40
Dimethylcyclohexanes	3	UN2263	II	II	3	IB2, T4, TP1	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)
(1)	N,N-Dimethylcyclohexylamine Dimethyldichlorosilane	8 3	UN2264 UN1162	II II	8, 3 3, 8	B2, IB2, T7, TP2 B77, T10, TP2, TP7, TP13	154 None	202 206	243 243	1 L Forbidden	30 L Forbidden	A B	40 40
(1)	Dimethyldiethoxysilane Dimethyldioxanes	3 3	UN2380 UN2707	II III	3 3	IB2, T4, TP1 IB2, T4, TP1	150 150	202 202	242 242	5 L 5 L	60 L 60 L	B B	40 40
(1)	N,N-Dimethylformamide Dimethylhexane dithioperoxide (dry)	3 Forbidden	UN2265	III III	3 3	B1, IB3, T2, TP1 B1, IB3, T2, TP2	150 150	203 203	242 242	60 L 60 L	220 L 220 L	A A	40 40
(1)	Dimethylhydrazine, symmetrical Dimethylhydrazine, unsymmetrical	6.1 6.1	UN2382 UN1163	I I	6.1, 3 6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45 2, B7, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None None	227 227	244 244	Forbidden Forbidden	Forbidden Forbidden	D D	40, 52, 74, 21, 38, 40, 52, 100, 40
(1)	2,2-Dimethylpropane Dinitro-o-cresol	2.1 6.1	UN2044 UN1598	II II	2.1 6.1	IB8, IP2, IP4, T3, TP33	306 153	304 212	314, 315 242	25 kg 100 kg	150 kg 100 kg	E A	40
(1)	1,3-Dinitro-5,5-dimethyl hydantoin Dinitro-7,8-dimethylglucuril (dry) 1,3-Dinitro-4,5-dinitrosobenzene 1,4-Dinitro-1,1,4,4-tetramethylolbutanetetranitrate (dry)	6.1 Forbidden Forbidden Forbidden	UN1596 UN1597	II III	6.1 6.1 6.1	IB8, IP2, IP4, T3, TP33 11, IB2, T7, TP2 11, IB3, T7, TP2	153 153	212 202	242 243	25 kg 5 L	100 kg 60 L	A A	91 91
(1)	Dinitrobenzenes, liquid Dinitrobenzenes, solid Dinitrochlorobenzene, Chlorodinitrobenzene 1,2-Dinitroethane 1,1-Dinitroethane (dry) Dinitrogen tetroxide	6.1 6.1 2.3	UN3443 UN1067	III II	6.1 6.1	IB8, IP2, IP4, T3, TP33 1, B7, B14, B45, B46, B61, B66, B67, B77, T50, TP21	153 None	212 336	242 314	25 kg Forbidden	100 kg Forbidden	A D	91 40, 89, 90
(1)	Dinitroglucuril or Dingu Dinitromethane	1.1D Forbidden	UN0489	II	1.1D	.....	None	62	Forbidden	Forbidden	O4	25	

Proper shipping name	UN number	Class	Subclass	Label	Quantity	Other	Special	Proper shipping name	UN number	Class	Subclass	Label	Quantity	Other	Special
Dinitrophenol, dry or wetted with less than 15 percent water, by mass	UN0076	II	1.1D, 6.1		None								25, 5E		
Dinitrophenol solutions	UN1599	II	6.1		243	5 L	Forbiddn						36	A	
Dinitrophenol, wetted with not less than 15 percent water, by mass	UN1320	III	6.1	IB2, T7, TP2	241	60 L	Forbiddn						36	A	
Dinitrophenolates alkali metals, dry or wetted with less than 15 percent water, by mass	UN0077	I	4.1, 6.1	IB3, T4, TP1	None	60 L	Forbiddn						28, 36	E	
Dinitrophenolates, wetted with not less than 15 percent water, by mass	UN1321	II	1.3C, 6.1	23, A8, A19, A20, N41	None	1 kg	Forbiddn						28, 36	E	
Dinitropropylene glycol	UN0078	I	4.1, 6.1	23, A8, A19, A20, N41	None	1 kg	Forbiddn						25, 5E	04	
Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass	UN0078	II	1.1D		None		Forbiddn						25, 5E	04	
2,4-Dinitroresorcinol (heavy metal salts of) (dry)	Forbiddn				None										
4,6-Dinitroresorcinol (heavy metal salts of) (dry)	Forbiddn				None										
Dinitroresorcinol, wetted with not less than 15 percent water, by mass	UN1322	I	4.1	23, A8, A19, A20, N41	None	1 kg	Forbiddn						28, 36	E	
3,5-Dinitrosalicylic acid (lead salt) (dry)	Forbiddn				None										
Dinitrosobenzene	UN0406	II	1.3C		None		Forbiddn						25	04	
2,2-Dinitrosulfone	UN2038	II	6.1	IB2, T7, TP2	243	5 L	Forbiddn							A	
Dinitrotoluenes, liquid	UN1600	II	6.1	T7, TP3	243	Forbiddn	Forbiddn							C	
Dinitrotoluenes, molten	UN3454	II	6.1	IB8, IP2, IP4, T3, TP33	242	25 kg	Forbiddn							A	
1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry)	Forbiddn				None										
Dioxane	UN1165	II	3	IB2, T4, TP1	242	5 L	Forbiddn						40	B	
Dioxolane	UN1166	II	3	IB2, T4, TP1	242	5 L	Forbiddn							B	
Dipentene	UN2052	III	3	B1, IB3, T2, TP1	242	60 L	Forbiddn							A	
Diphenylamine chloroarsine	UN1698	I	6.1	T6, TP33	None	Forbiddn	Forbiddn							D	
Diphenylchloroarsine, liquid	UN1699	I	6.1	A8, B14, B32, N33, N34, T14, TP2, TP13, TP27	243	Forbiddn	Forbiddn							D	
Diphenylchloroarsine, solid	UN3450	I	6.1	IB7, IP1, T6, TP33	242	5 kg	Forbiddn						40	D	
Diphenyldichlorosilane	UN1769	II	8	A7, B2, N34, T10, TP2, TP7, TP13	242	30 L	Forbiddn						40	C	
Diphenylmethyl bromide	UN1770	II	8	IB8, IP2, IP4, T3, TP33	240	15 kg	Forbiddn						40	D	
Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass	UN0401	II	1.1D		None		Forbiddn						25	04	
Dipicryl sulfide, wetted with not less than 10 percent water, by mass	UN2852	I	4.1	162, A2, N41, N84	None	0.5 kg	Forbiddn						28, 36	D	
Dipicrylamine, see Hexanitrodiphenylamine															

§ 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	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)							
																	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
G	<i>Dipropionyl peroxide, with more than 28 percent in solution</i>	Forbidden	UN2384	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B											
														UN2710	III	3	B1, IB3, T2, TP1	150	203	60 L	220 L	A	
														UN2383	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B
G	Disinfectant, liquid, corrosive, n.o.s.	8	UN1903	I	8	A6, A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B											
														UN1903	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B
G	Disinfectants, liquid, corrosive n.o.s.	6.1	UN3142	III	8	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A	40										
														UN3142	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A
														UN1601	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A
G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40										
														UN1601	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A
G	Disodium trioxosulfate	8	UN3253	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.										
														UN3253	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A
G	Dispersant gases, n.o.s. see Refrigerant gases, n.o.s.	3	UN1167	I	3	A7, T11, TP2	None	201	243	1 L	30 L	E	40										
														UN1771	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C
G	Dry ice, see Carbon dioxide, solid	8	UN2801	I	8	11, A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A											
														UN2801	II	8	11, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A
G	Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	III	8	11, IB3, T7, TP1, TP28	None	201	243	1 L	30 L	A											
														UN1602	I	6.1	11, B2, IB2, T11, TP2, TP27	154	203	241	5 L	60 L	A
G	Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	A											
														UN3147	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A
G	Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A											
														UN3147	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A

G	Dyes, solid, toxic, n.o.s., or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	I	6.1	A5, IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	85																								
														II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A																
														III	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A																
														III	3	IB1, T3, TP3, TP29	None	247	Forbidden	Forbidden	A																
														III	9	IB1, T3, TP3, TP29	None	247	Forbidden	Forbidden	A																
														III	9	247 (h)(4)	None	247	Forbidden	Forbidden	A																
														.....	9	135, A200	220	220	Forbidden	No limit	A															
														.....	9	135, A200	220	220	No limit	No limit	A															
														III	9	8, 146, 173, 335, IB3, T4, TP1, TP29	155	241	No limit	No limit	A																
														III	9	8, 146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33	155	240	No Limit	No Limit	A																
+	Epibromohydrin Epichlorohydrin 1,2-Epoxy-3-ethoxypropane Esters, n.o.s.	6.1	UN2558	I	6.1, 3	None	201	243	Forbidden	Forbidden	Forbidden	D	40																								
														6.1	UN2023	II	6.1, 3	153	202	5 L	60 L	A	40														
														3	UN2752	III	3	150	203	60 L	220 L	A															
														3	UN3272	II	3	150	202	5 L	60 L	B															
														3	UN3272	III	3	150	203	60 L	220 L	A															
														2.1	UN1035	2.1	2.1	306	304	Forbidden	150 kg	E	40														
														2.1	NA1961	2.1	2.1	None	316	Forbidden	Forbidden	D	40														
														2.1	UN1961	2.1	2.1	None	315	Forbidden	Forbidden	D	40														
														3	UN3475	II	3	150	202	5 L	60 L	E															
														3	UN1170	II	3	4b, 150	202	5 L	60 L	A															
D	Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc	2.1	UN1035	2.1	2.1	T75, TP5	306	304	302	Forbidden	150 kg	E	40																								
														2.1	NA1961	2.1	2.1	None	316	Forbidden	Forbidden	D	40														
														2.1	UN1961	2.1	2.1	None	315	Forbidden	Forbidden	D	40														
														3	UN3475	II	3	150	202	5 L	60 L	E															
														3	UN1170	II	3	4b, 150	202	5 L	60 L	A															
														D	Ethane Ethane-Propane mixture, refrigerated liquid Ethane, refrigerated liquid Ethanol amine dinitrate Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions	2.1	UN1035	2.1	2.1	T75, TP5	306	304	302	Forbidden	150 kg	E	40										
																												2.1	NA1961	2.1	2.1	None	316	Forbidden	Forbidden	D	40
																												2.1	UN1961	2.1	2.1	None	315	Forbidden	Forbidden	D	40
																												3	UN3475	II	3	150	202	5 L	60 L	E	
																												3	UN1170	II	3	4b, 150	202	5 L	60 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)
	Ethanolamine or Ethanolamine solutions <i>Ether, see Diethyl ether</i> <i>Ethers, n.o.s.</i>	8	UN2491	III III	3 8	24, B1, IB3, T2, TP1 IB3, T4, TP1	4b, 150 154	203 203	242 241	60 L 5 L	220 L 60 L	A A	52.
	Ethyl acetate	3	UN3271	II	3	IB2, T7, TP1, TP8, TP28 B1, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	Ethyl acrylate, stabilized	3	UN1173	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl alcohol, <i>see Ethanol</i>	3	UN1917	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	B	40
	Ethyl aldehyde, <i>see Acetaldehyde</i>	3	UN2271	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethyl amyl ketone	6.1	UN3460	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	N-Ethylbenzyloluidines, solid	6.1	UN2274	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	N-Ethyl-N-benzylaniline	3	UN1176	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl borate	6.1	UN1891	II	6.1	IB2, IP8, T7, TP2, TP13	153	202	243	5 L	60 L	B	40, 85
	Ethyl bromide	6.1	UN1603	II	6.1, 3	IB2, T7, TP2	None	202	243	Forbidden	Forbidden	D	40
	Ethyl bromoacetate	3	UN1179	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl butyl ether	3	UN1180	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethyl butyrate	2.1	UN1037	III	2.1	B77, N86, T50	None	322	314,	Forbidden	150 kg	B	40
Ethyl chloride	6.1	UN1181	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A		
Ethyl chloroacetate	6.1	UN1182	I	6.1, 3, 8	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 40, 100	
+	Ethyl 2-chloropropionate	3	UN2835	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Ethyl chloroformate	8	UN2826	II	8, 6.1, 3	2, B9, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	A	
	Ethyl crotonate	3	UN1862	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
	Ethyl ether, <i>see Diethyl ether</i> Ethyl fluoride or Refrigerant gas R161	2.1	UN2453	II	2.1		306	304	314, 315	Forbidden	150 kg	E	40
+	Ethyl formate	3	UN1190	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Ethyl hypochlorite	Forbidden											
	Ethyl isobutyrate	3	UN2385	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40, 52
	Ethyl isocyanate	6.1	UN2481	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	
Ethyl lactate	3	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Ethyl mercaptan	3	UN2363	I	3	A6, T11, TP2, TP13	None	201	243	Forbidden	30 L	E	95, 102	

Ethyl methacrylate, stabilized	3	UN2277	II	3	IB2, T4, TP1	150	None	202	242	5 L	60 L	B	40
Ethyl methyl ether	2.1	UN1039	II	2.1		None		201	314, 315	Forbidden	150 kg	B	
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, TP4, TP12, TP13, TP38, TP45	None		227	244	Forbidden	Forbidden	D	40
Ethyl phosphorous dichloride, anhydrous	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None		227	244	Forbidden	Forbidden	D	18
Ethyl phosphorodichloridate	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, 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	I	2.1	N88	None		304	314, 315	Forbidden	150 kg	B	40
Ethylamine	2.1	UN1036	II	2.1	B77, N87, T50	None		321	314, 315	Forbidden	150 kg	D	40
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	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	B	
N-Ethylbenzyloluidines 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	III	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, TP38, TP45	None		227	244	Forbidden	Forbidden	D	40
Ethylchlorosilane	4.3	UN1183	I	4.3, 8, 3	A2, A3, A7, N34, T14, TP2, TP7, TP13	None		201	244	Forbidden	1 L	D	21, 28, 40, 49, 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

§ 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)
	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
	<i>Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures.</i>	3	UN1184	II	3, 6.1	IB2, N36, T7, TP1	150	202	243	1 L	60 L	B	40
	Ethylene dichloride	3	UN1153	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
	Ethylene glycol diethyl ether	Forbidden				B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Ethylene glycol difluoride</i>	3	UN1171	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene glycol monoethyl ether	3	UN1172	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene glycol monoethyl ether acetate	3	UN1188	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene glycol monomethyl ether acetate	3	UN1189	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide	2.3	UN3300		2.3, 2.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
	Ethylene oxide and carbon dioxide mixtures with more than 9 percent but not more than 87 percent ethylene oxide	2.1	UN1041		2.1	T50	306	304	314, 315	Forbidden	25 kg	B	40
	Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide	2.2	UN1952		2.2		306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and dichlorodifluoromethane mixture, with not more than 12.5 percent ethylene oxide	2.2	UN3297		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide	2.2	UN3070		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and pentafluoroethane mixture, with not more than 7.9 percent ethylene oxide	2.2	UN3298		2.2	T50	306	304	314, 315	75 kg	150 kg	A	

Ethylene oxide and propylene oxide mixtures, with not more than 30 percent ethylene oxide	3	UN2983	I	3, 6.1	5, A11, N4, N34, T14, TP2, TP7, TP13	None	201	243	Forbidden	30 L	E	40
Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide	2.2	UN3299		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1 MPa (10 bar) at 50 degrees C	2.3	UN1040		2.3, 2.1	4, 342, T50, TP20	None	323	323	Forbidden	Forbidden	D	40
Ethylene, refrigerated liquid (cryogenic liquid)	2.1	UN1038		2.1	T75, TP5	None	316	318, 319	Forbidden	Forbidden	D	40
Ethylenediamine	8	UN1604	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	40, 52
Ethylenimine, stabilized	6.1	UN1185	I	6.1, 3	1, B9, B14, B30, B77, N25, N32, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
Ethylhexaldehyde, see Octyl aldehydes etc.												
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
2-Ethylhexylamine	3	UN2276	III	3, 8	B1, B3, T4, TP1	150	203	242	5 L	60 L	A	40
Ethylphenyldichlorosilane	8	UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	
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	
Ethyltrichlorosilane	3	UN1196	II	3, 8	A7, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40
Etiologic agent, see Infectious substances, etc.												
Explosive articles, see Articles, explosive, n.o.s. etc.												
Explosive, blasting, type A	1.1D	UN0081	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E, 21E
Explosive, blasting, type B	1.1D	UN0082	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type B or Agent blasting, Type B	1.5D	UN0331	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	03	25, 19E
Explosive, blasting, type C	1.1D	UN0083	II	1.1D	123	None	62	None	Forbidden	Forbidden	04	25, 22E
Explosive, blasting, type D	1.1D	UN0084	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Explosive, blasting, type E	1.1D	UN0241	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type E or Agent blasting, Type E	1.5D	UN0332	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	03	25, 19E
Explosive, forbidden. See § 173.54 Explosive substances, see Substances, explosive, n.o.s. etc.	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)
	Explosives, slurry, see Explosive, blasting, type E Explosives, water gels, see Explosive, blasting, type E Extracts, aromatic, liquid	3	UN1169	II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Extracts, flavoring, liquid	3	UN1197	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Extracts, flavoring, liquid	3	UN1197	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Extracts, flavoring, liquid	3	UN1197	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Fabric with animal or vegetable oil, see Fibers or fabrics, etc												
	Ferric arsenate	6.1	UN1606	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Ferric arsenite	6.1	UN1607	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Ferric chloride, anhydrous	8	UN1773	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Ferric chloride, solution	8	UN2582	III	8	B15, IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Ferric nitrate	5.1	UN1466	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Ferrocenium	4.1	UN1323	II	4.1	59, A19, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	A	13, 147, 148
	Ferrosilicon with 30 percent or more but less than 90 percent silicon	4.3	UN1408	III	4.3, 6.1	A1, A19, B6, IB8, IP4, IP7, T1, TP33	151	213	240	25 kg	100 kg	A	13, 40, 52, 53, 85, 103, 148
D	Ferrous arsenate	6.1	UN1608	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
D	Ferrous chloride, solid	8	NA1759	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
D	Ferrous chloride, solution	8	NA1760	II	8	B3, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
	Ferrous metal borings or Ferrous metal shavings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating	4.2	UN2793	III	4.2	A1, A19, IB8, IP3, IP7	None	213	241	25 kg	100 kg	A	13, 148
	Fertilizer ammoniating solution with free ammonia	2.2	UN1043		2.2	N87	306	304	314, 315	Forbidden	150 kg	E	40
A I W	Fibers, animal or Fibers, vegetable burnt, wet or damp	4.2	UN1372	III	4.2		151	213	240	Forbidden	Forbidden	A	
IW	Fibers, vegetable, dry	4.1	UN3360	III	4.1		151	213	240	No Limit	No Limit	A	

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A W	4.2	UN1373	III	4.2	137, IB8, IP3, T1, TP33	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	
	2.2	UN1044		2.2	18, 110	309	309	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	II	1.1G	108	None	62	None	Forbidden	Forbidden	03	25
	1.2G	UN0334	II	1.2G	108	None	62	None	Forbidden	Forbidden	03	25
	1.3G	UN0335	II	1.3G	108	None	62	None	Forbidden	Forbidden	03	25
	1.4G	UN0336	II	1.4G	108, 200	None	62	None	Forbidden	75 kg	02	25
	1.4S	UN0337	II	1.4S	108	None	62	None	25 kg	100 kg	01	25
	9	UN0316	III	9	15	161	161	None	10 kg	10 kg	A	
	9	UN316	III	9	15	161	161	None	10 kg	10 kg	A	
A W	9	UN2216	III	None	155, IB8, IP3, T1, TP33	155	218	218	Forbidden	Forbidden	B	25, 88, 122, 128
	4.2	UN1374	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33	None	212	241	Forbidden	Forbidden	B	18, 25, 128
G	3	UN3286	I	3, 6.1, 8	T14, TP2, TP13, TP27	None	201	243	Forbidden	2.5 L	E	21, 40, 100
	3	UN2924	II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	5 L	B	21, 40, 100
	3		I	3, 8	T14, TP2	None	201	243	0.5 L	2.5 L	E	40
			II	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

§ 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	Flammable liquids, n.o.s.	3	UN1993	I II III	3 3 3	T11, TP1, TP27 IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150 150 150	201 202 203	243 242	30 L 60 L 220 L	E B A		
G	Flammable liquids, toxic, n.o.s.	3	UN1992	I II III	3, 6.1 3, 6.1 3, 6.1	T14, TP2, TP13, TP27 IB2, T7, TP2, TP13 B1, IB3, T7, TP1, TP28	None 150 150	201 202 203	243 242	30 L 60 L 220 L	E B A	40 40	
G	Flammable solid, corrosive, inorganic, n.o.s.	4.1	UN3180	II	4.1, 8	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	D	40	
G	Flammable solid, inorganic, n.o.s.	4.1	UN3178	II	4.1, 8 4.1	A1, IB6, T1, TP33 A1, IB8, IP2, IP4, T3, TP33	151 151	213 212	242 240	25 kg 15 kg	D B	40	
G	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	III	4.1	A1, IB8, IP3, T1, TP33 IB1, T3, TP3, TP26	151	213	240	25 kg	B		
G	Flammable solid, oxidizing, n.o.s.	4.1	UN3097	II	4.1 4.1, 5.1	IB1, T1, TP3, TP26 131	151 None	213 214	240 214	Forbidden Forbidden	C E	40	
G	Flammable solid, toxic, inorganic, n.o.s.	4.1	UN3179	III	4.1, 5.1	131, T1, TP33	None	214	214	Forbidden	D	40	
G	Flammable solids, corrosive, organic, n.o.s.	4.1	UN2925	II	4.1, 8	A1, IB6, IP2, T3, TP33	None	212	242	15 kg	B	40	
G	Flammable solids, organic, n.o.s.	4.1	UN1325	III	4.1, 8 4.1	A1, IB6, T1, TP33 A1, IB8, IP2, IP4, T3, TP33	151 151	213 212	242 240	25 kg 15 kg	D B	40	
G	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	III	4.1 4.1, 6.1	A1, IB6, IP2, T3, TP33 A1, IB6, T1, TP33	151 151	213 212	242 242	25 kg 15 kg	B B	40	
	Flares, aerial	1.3G	UN0093	II	1.3G	.....	None	62	None	75 kg	03	25
	Flares, aerial	1.4G	UN0403	II	1.4G	.....	None	62	None	75 kg	02	25
	Flares, aerial	1.4S	UN0404	II	1.4S	.....	None	62	None	100 kg	01	25
	Flares, aerial	1.1G	UN0420	II	1.1G	.....	None	62	None	Forbidden	03	25

Flare, aerial	25	03	Forbidden	None	62	None	Forbidden	None	Forbidden	25
Flare, airplane, see Flares, aerial										
Flare, signal, see Cartridges, signal										
Flares, surface	25	03	75 kg	None	62	None	Forbidden	None	Forbidden	25
Flares, surface	25	03	Forbidden	None	62	None	Forbidden	None	Forbidden	25
Flares, surface	25	03	Forbidden	None	62	None	Forbidden	None	Forbidden	25
Flares, water-activated, see Containers, water-activated, etc										
Flash powder	25	03	Forbidden	None	62	None	Forbidden	None	Forbidden	25
Flash powder	25	03	Forbidden	None	62	None	Forbidden	None	Forbidden	25
Flue dusts, poisonous, see Arsenical dust										
Fluoric acid, see Hydrofluoric acid, etc										
Fluorine, compressed			Forbidden	None	302	None	Forbidden	None	Forbidden	40, 89, 90
Fluoroacetic acid			15 kg	242	211	None	1 kg	242	15 kg	
Fluoroanilines			220 L	241	203	None	60 L	241	220 L	
Fluorobenzene			60 L	242	202	None	5 L	242	60 L	
Fluoroboric acid			30 L	242	202	None	1 L	242	30 L	
Fluorophosphoric acid anhydrous			30 L	242	202	None	1 L	242	30 L	
Fluorosulfates, n.o.s			200 kg	240	213	None	100 kg	240	200 kg	52
Fluorosilicic acid			30 L	242	202	None	1 L	242	30 L	
Fluorosulfonic acid			2.5 L	243	201	None	0.5 L	243	2.5 L	40
Fluorotoluenes			60 L	242	202	None	5 L	242	60 L	40
Forbidden materials. See § 173.21			60 L	242	203	None	5 L	242	60 L	40
Formaldehyde solutions, flammable										
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			60	241	203	None	5 L	241	60	
Formalin, see Formaldehyde, solutions										
Formic acid with not less than 10% but not more than 85% acid by mass			30 L	242	202	None	1 L	242	30 L	40.
Formic acid with not less than 5% but less than 10% acid by mass			60 L	241	203	None	5 L	241	60 L	40
Formic acid with more than 85% acid by mass			30 L	242	202	None	1 L	242	30 L	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)
(1)	Fracturing devices, explosive, without detonators for oil wells Fuel, aviation, turbine engine	1.1D 3	UN0099 UN1863	II I	1.1D 3 144, T11, TP1, TP8, TP28	62 201	62 243	Forbidden	Forbidden	04	25	
(1)	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing corrosive substances	3	UN3473	.....	3	328	230	230	5 kg	50 kg	A	
(1)	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing flammable liquids	2.1	UN3479	.....	2.1	328	230	230	1 kg	15 kg	B	
(1)	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing liquefied flammable gas	2.1	UN3478	.....	2.1	328	230	230	1 kg	15 kg	B	
(1)	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing water-reactive substances	4.3	UN3476	.....	4.3	328	230	230	5 kg	50 kg	A	13, 148
D	Fuel oil (No. 1, 2, 4, 5, or 6)	3	NA1993	III	3	144, B1, IB3, T4, TP1, TP29	203	242	60 L	220 L	A		

Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery	Forbidden	UN1780	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	8, 40
Fulminate of mercury (dry)	Forbidden	UN1199	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Fulminate of mercury, wet, see Mercury fulminate, etc	Forbidden	UN2389	I	3	T12, TP2, TP13	None	201	243	1 L	30 L	E	40
Fulminating gold	Forbidden	UN2874	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
Fulminating mercury	Forbidden	UN2526	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
Fulminating platinum	Forbidden											
Fulminating silver	Forbidden											
Fulminic acid	Forbidden											
Fumaryl chloride, see §§ 172.302(g), 173.9 and 176.76(h)	Forbidden											
Fumigated transport vehicle or freight container see § 173.9	Forbidden											
Furaldehydes	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	40
Furfuryl alcohol	6.1	UN2874	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
Furfurylamine	3	UN2526	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
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	II	1.4G		None	62	None	Forbidden	75 kg	02	25
Fuse, non-detonating instantaneous or quickmatch	1.3G	UN0101	II	1.3G		None	62	None	Forbidden	Forbidden	03	25
Fuse, safety	1.4S	UN0105	II	1.4S		None	62	None	25 kg	100 kg	01	25
Fusee (railway or highway)	4.1	NA1325	III	4.1		None	184	None	15 kg	50 kg	B	25
Fusel oil	3	UN1201	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	25
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	II	1.1B		None	62	None	Forbidden	Forbidden	05	25
Fuzes, detonating	1.2B	UN0107	II	1.2B		None	62	None	Forbidden	Forbidden	05	25
Fuzes, detonating	1.4B	UN0257	II	1.4B	116	None	62	None	Forbidden	75 kg	05	25
Fuzes, detonating	1.4S	UN0367	II	1.4S	116	None	62	None	25 kg	100 kg	01	25
Fuzes, detonating, with protective features	1.1D	UN0408	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
Fuzes, detonating, with protective features	1.2D	UN0409	II	1.2D		None	62	None	Forbidden	Forbidden	04	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)
	Fuzes, detonating, with protective features	1.4D	UN0410	II	1.4D	116	None	62	None	Forbidden	75 kg	02	25
	Fuzes, igniting	1.3G	UN0316	II	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Fuzes, igniting	1.4G	UN0317	II	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Fuzes, igniting	1.4S	UN0368	II	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Galactosan trinitrate	Forbidden											
	Gallium	8	UN2803	III	8	T1, TP33	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	None	194	None	Forbidden	Forbidden	D	
D	Gas oil	3	UN1202	III	3	144, B1, IB3, T2, TP1	None	203	242	60 L	220 L	A	
G	Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid)	2.1	UN3312		2.1	T75, TP5	None	316	318	Forbidden	Forbidden	D	40
G	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2	UN3311		2.2	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	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, 2.1	6	306	302	None	Forbidden	1 L	D	
	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	UN3169		2.3	6	306	302, 304	None	Forbidden	1 L	D	D
	Gasoline, includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol	3	UN1203	II	3	144, 177, B1, B33, IB2, T4	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, 2.1	2	None	302	245	Forbidden	Forbidden	D	40
	Germane, adsorbed	2.3	UN3523	.....	2.3, 2.1	2	None	302c	None	Forbidden	Forbidden	D	40
	Glycerol-1,3-dinitrate	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)
	Hafnium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	UN1326	II	4.1	A6, A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	E	74
	Hand signal device, see Signal devices, hand												
	Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc												
D G	Hazardous waste, liquid, n.o.s.	9	NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	
D G	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	2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
	Heptafluoropropane or Refrigerant gas R 227	2.2	UN3296	2.2	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, TP1	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	UN2779	III	6.1	2, B9, 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, TP38, 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	40
	Hexacyclotrichlorosilane	8	UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	
	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	2.3	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		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	304	314, 315	75 kg	150 kg	A	
Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
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	
Hexamethylene diisocyanate	6.1	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	13, 40
Hexamethylene triperoxide diamine (dry)	Forbidden											
Hexamethylenediamine, solid	8	UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25
Hexamethylenediamine solution	8	UN1783	II	8	IB2, T7, TP2	None	202	242	1 L	30 L	A	
Hexamethylenimine	3	UN2493	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Hexamethylenetetramine	4.1	UN1328	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
Hexamethylol benzene hexanitrate	Forbidden											
Hexanes	3	UN1208	II	3	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
2,2',4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry)	Forbidden											
Hexanitroazoxy benzene	Forbidden											
N,N'-(hexanitrodiphenyl) ethylene dinitramine (dry)	Forbidden											
Hexanitrodiphenyl urea	Forbidden											
2,2',3',4',4',6'-Hexanitrodiphenylamine or Hexanitrodiphenylamine	1.1D	UN0079	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
Dipicylamine or Hexyl 2,3',4',4',6,6'-Hexanitrodiphenylether	Forbidden											
Hexanitroethane	Forbidden											
Hexanitrooxanilide	Forbidden											
Hexanitrosilbene	1.1D	UN0392	II	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												
cycloctetramethylenetetramine 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												

§ 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)
	Hexogen and octogen mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc</i> Hexogen, <i>see</i> Cyclotrimethylenetrinitramine, <i>etc</i> Hexolite, or Hexalol dry or wetted with less than 15 percent water, by mass	1.1D	UN0118	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Hexotonal Hexyl, <i>see</i> Hexanitrodiphenylamine Hexyltrichlorosilane	1.1D 8	UN0393 UN1784	II II	1.1D 8	..... A7, B2, B6, N34, T10, TP2, TP7, TP13	None None	62 206	None 242	Forbidden Forbidden	Forbidden 30 L	04 C	25 40
	<i>High explosives, see individual explosives entries</i> HMX, <i>see</i> Cyclooctamethylenetetranitramine, <i>etc</i> Hydrazine, anhydrous	8 6.1	UN2029 UN3293	I III	8, 3, 6.1 6.1	A3, A6, A7, A10, B7, B16, B53 IB3, T4, TP1	None 153	201 203	243 241	Forbidden 60 L	2.5 L 220 L	D A	40, 52, 125, 52
	Hydrazine, aqueous solution, with not more than 37 percent hydrazine, by mass Hydrazine aqueous solution, flammable with more than 37% hydrazine, by mass Hydrazine aqueous solution, with more than 37% hydrazine, by mass	8 8	UN3484 UN2030	I I	8, 3, 6.1 8, 6.1	B16, B53, T10, TP2, TP13 B16, B53, T10, TP2, TP13	None None	201 201	243 243	Forbidden Forbidden	2.5 L 2.5 L	D D	40, 52, 125, 40, 52
	Hydrazine azide Hydrazine chlorate Hydrazine dicarbonic acid diazide Hydrazine perchlorate Hydrazine selenate Hydroiodic acid, anhydrous, <i>see</i> Hydrogen iodide, anhydrous	Forbidden Forbidden Forbidden Forbidden Forbidden		II III	8, 6.1 8, 6.1	B16, B53, IB2, T7, TP2, TP13 B16, B53, IB3, T4, TP1	None 154	202 203	243 241	Forbidden 5 L	30 L 60 L	D D	40, 52, 40, 52

Hydroiodic acid	8	UN1787	II	8	A3, A6, B2, IB2, N41, T7, TP2 IB3, T4, TP1	154	202	242	1 L	30 L	C	8
<i>Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous</i> <i>Hydrobromic acid, with more than 49 percent hydrobromic acid</i>	8	UN1788	III	8	B2, B15, IB2, N41, T7, TP2 IB3, T4, TP1	154	202	242	5 L	60 L	C	8
<i>Hydrobromic acid, with not more than 49 percent hydrobromic acid</i>	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2 IB3, T4, TP1	154	202	242	Forbidden	Forbidden	C	8
Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	III	8	A3, A6, B2, B15, IB2, N41, T7, TP2 A3, IB3, T4, TP1	154	202	241	1 L	30 L	C	8
Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965	III	2.1	A3, IB3, T4, TP1	306	302	314, 315	5 L	60 L	C	8
Hydrocarbons, liquid, n.o.s.	3	UN3295	I	3	T50	306	304	314, 315	Forbidden	150 kg	E	40
<i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous</i> <i>Hydrochloric acid</i>	8	UN1789	II	8	144, T11, TP1, TP8, TP28 144, IB2, T7, TP1, TP8, TP28 144, B1, IB3, T4, TP1, TP29	150	201	243	1 L	30 L	E	40
<i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc</i> <i>Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide</i> <i>Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide</i> <i>Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc</i> <i>Hydrocyanic acid (prussic), unstabilized</i>	6.1	UN1613	I	6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40
Hydrofluoric acid and Sulfuric acid mixtures	8	UN1786	I	8, 6.1	IB1, T14, TP2, TP13, TP27	None	195	243	Forbidden	5 L	D	40
<i>Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous</i> <i>Hydrofluoric acid, with more than 60 percent strength</i>	8	UN1790	I	8, 6.1	A6, A7, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	D	12, 25, 40
<i>Hydrofluoric acid, with not more than 60 percent strength</i> <i>Hydrofluoroboric acid, see Fluoroboric acid</i>	8	UN1790	II	8, 6.1	A6, A7, B15, IB2, N5, N34, T8, TP2	154	202	243	1 L	30 L	D	12, 25, 40

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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>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, B35, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	40
	Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material	6.1	UN1614	I	6.1	5	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
	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 solution, see Hydroiodic acid												
	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, A6, 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
Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary)	5.1	UN2014	II	5.1, 8	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	1 L	5 L	D	25, 66, 75
Hydrogen, peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary)	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 solutions, stabilized with more than 60 percent hydrogen peroxide (cryogenic 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 (cryogenic 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	8	UN1740	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	None	212	240	15 kg	50 kg	A	25, 40, 52
Hydrogen difluoride, solid, n.o.s	8	UN3471	III	8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
Hydrogen difluoride solution, n.o.s	8	UN3471	II	8, 6.1	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52
Hydrogen difluoride solution, see Fluorosilicic acid	8	UN3471	III	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	25, 40, 52
Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass	1.3C	UN0508	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
1-Hydroxybenzotriazole, monohydrate	4.1	UN3474	I	4.1	N90	None	211	None	0.5 kg	0.5 kg	D	28, 36
Hydroxylamine iodide	Forbidden	UN2865	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	26
Hydroxylamine sulfate	8	UN1791	II	8	A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26
Hypochlorite solutions	8	UN1791	III	8	IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26

§ 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	Hypochochlorites, inorganic, n.o.s.	5.1	UN3212	II	5.1	349, A9, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 116, 118
	<i>Hyponitrous acid</i> <i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad</i>	Forbidden											
	Igniters	1.1G	UN0121	II	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Igniters	1.2G	UN0314	II	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Igniters	1.3G	UN0315	II	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Igniters	1.4G	UN0325	II	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Igniters	1.4S	UN0454	II	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	3,3'-iminodipropylamine	8	UN2269	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	40
G	Infectious substances, affecting animals only	6.2	UN2900		6.2	A82	134	196	None	50 mL or 4 L or 4 kg	4 L or 4 kg	B	40
G	Infectious substances, affecting humans	6.2	UN 2814		6.2	A82	134	196	None	50 mL or 4 L or 4 kg	4 L or 4 kg	B	40
	<i>Inflammable, see Flammable</i>												
	<i>Initiating explosives (dry)</i>	Forbidden											
	<i>Inositol hexanitrate (dry)</i>	Forbidden											
G	Insecticide gases, n.o.s.	2.2	UN1968		2.2		306	304	314, 315	75 kg	150 kg	A	40
G	Insecticide gases, flammable, n.o.s.	2.1	UN3354		2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone A</i>	2.3	UN3355		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone B</i>	2.3	UN3355		2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone C</i>	2.3	UN3355		2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone D</i>	2.3	UN3355		2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, n.o.s. <i>Inulin trinitrate (dry)</i>	2.3	UN1967		2.3		None	193, 334	245	Forbidden	Forbidden	D	40
+	<i>Iodine azide (dry)</i>	Forbidden			8, 6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	B	40, 55

Iodine monochloride, liquid	8	UN3498	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	D	40, 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, 66, 74, 90
Iodine pentafluoride	5.1	UN2495	I	5.1, 6.1, 8		None	205	243	Forbidden	Forbidden	D	25, 40, 52, 66, 74, 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	
Iodoxy compounds (dry)	Forbidden											
Iridium nitropentamine iridium nitrate	Forbidden											
Iron chloride, see Ferric chloride												
Iron oxide, spent, or Iron sponge, spent obtained from coal gas purification	4.2	UN1376	III	4.2	B18, IB8, IP3, T1, TP33	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, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
Iron sesquichloride, see Ferric chloride												
Irritating material, see Tear gas substances, etc												
Isobutane see also 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	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Isobutyl alcohol, see Isobutanol												
Isobutyl aldehyde, see Isobutyraldehyde												
Isobutyraldehyde	3	UN2393	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Isobutyl formate	3	UN2528	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Isobutyl isobutyrate	6.1	UN2486	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP27	None	226	244	Forbidden	Forbidden	D	40
Isobutyl isocyanate	3	UN2283	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Isobutyl methacrylate, stabilized	3	UN2394	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	B	
Isobutyl propionate	3	UN1214	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
Isobutylamine	3	UN1055	2.1	2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
Isobutylene see also Petroleum gases, liquefied												
Isobutyraldehyde or Isobutyl aldehyde	3	UN2045	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
Isobutyric acid	3	UN2529	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Isobutyronitrile	3	UN2284	II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	1 L	60 L	E	40
Isobutryl chloride	3	UN2395	II	3, 8	IB1, T7, TP2	150	202	243	1 L	5 L	C	40

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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	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	Krypton, compressed Krypton, refrigerated liquid (<i>cryogenic liquid</i>) Lacquer base or lacquer chips, nitrocellulose, dry, see Nitrocellulose, etc. (UN 2557) Lacquer, base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint etc.(UN1263) Lead acetate Lead arsenates Lead azides Lead azide (<i>dry</i>) Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass Lead compounds, soluble, n.o.s Lead cyanide Lead dioxide Lead dross, see Lead sulfate, with more than 3 percent free acid Lead nitrate Lead nitrosocinnate (<i>dry</i>) Lead perchlorate, solid Lead perchlorate, solution Lead peroxide, see Lead dioxide Lead phosphite, dibasic Lead picrate (<i>dry</i>) Lead styphnate (<i>dry</i>)	2.2 2.2	UN1056 UN1970	III	4.2 2.2 2.2	155, IB8, IP3, T1, TP33 306, 307 T75, TP5	None 302 320	213 None None	242 75 kg None	100 kg 25 kg 150 kg 50 kg	A A D	128	
													6.1 6.1 6.1	IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33	153 153 153	213 212 212	240 242 242	200 kg 100 kg 100 kg	A A A
		1.1A	111, 117	None	62	None	Forbidden	05	25				
										6.1 6.1	138, IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33	153 153	213 212	240 242	200 kg 100 kg	A A
		5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg 100 kg	A A					
									5.1	IB8, IP2, IP4, T3, TP33	152	212	242
		5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	A					
									5.1	IB2, T4, TP1	152	202	243	1 L	A
		5.1	IB2, T4, TP1	152	203	242	2.5 L 30 L	A A					
									4.1	IB8, IP2, IP4, T3, TP33	None	212 213	240 240	15 kg 25 kg	B B
		Forbidden	IB8, IP3, T1, TP33	151	213	240	100 kg	B					

	1.1A	II	1.1A	111, 117	None	62	None	240	Forbidden	Forbidden	05	25
Lead stypnate, wetted or Lead trinitrosorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	1.1A	UN0130	1.1A	111, 117	None	62	None	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		
Lead trinitrosorcinatate, see Lead stypnate, etc	9	UN3072	.....	134	None	219	None	No limit	No limit	A		122
Life-saving appliances, not self-inflating containing dangerous goods as equipment	9	UN2990	.....	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												
Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.												
Lighters, tuse	1.4S	UN0131	II 1.4S	.....	None	62	None	25 kg	100 kg	01		25
Lime, unslaked, see Calcium oxide												
Liquefied gas, flammable, n.o.s.	2.1	UN3161	2.1	T50	306	304	314, 315	Forbidden	150 kg	D		40
Liquefied gas, n.o.s.	2.2	UN3163	2.2	T50	306	304	314, 315	75 kg	150 kg	A		
Liquefied gas, oxidizing, n.o.s.	2.2	UN3157	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	D		
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3308	2.3, 8	1	None	192	245	Forbidden	Forbidden	D		40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3308	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3308	2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3308	2.3, 8	4	None	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3309	2.3, 8	1	None	192	245	Forbidden	Forbidden	D		17, 40
Liquefied gas toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3309	2.3, 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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	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	192	245	Forbidden	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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	Forbidden	D	40	
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3162		2.3, 2.1	1	192	245	Forbidden	Forbidden	D	40	
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3162		2.3, 2.1	2, B9, B14	304	314, 315	Forbidden	Forbidden	D	40	
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162		2.3, 2.1	3, B14	304	314, 315	Forbidden	Forbidden	D	40	
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3162		2.3, 2.1	4	304	314, 315	Forbidden	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	192	245	Forbidden	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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	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	192	245	Forbidden	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	304	314, 315	Forbidden	Forbidden	D	40	

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, non-flammable charged with nitrogen, carbon dioxide or air	2.2	UN1058	5.1, 2.2	306	306	304	None	75 kg	150 kg	A	
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s.											
	Liquefied natural gas, see Methane, etc. (UN 1972)											
	Liquefied petroleum gas see Petroleum gases, liquefied											
	Lithium	4.3	UN1415	4.3	A7, A19, IB4, IP1, N45	None	211	244	Forbidden	15 kg	E	13, 52, 148
	Lithium acetylide ethylenediamine complex, see Water reactive solid etc											
	Lithium aluminum hydride	4.3	UN1410	4.3	A19	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium aluminum hydride, ethereal	4.3	UN1411	4.3, 3	A2, A3, A11, N34	None	201	244	Forbidden	1 L	D	13, 40, 148
	Lithium borohydride	4.3	UN1413	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium ferrosilicon	4.3	UN2830	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	13, 40, 85, 103, 148
	Lithium hydride	4.3	UN1414	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium hydride, fused solid	4.3	UN2805	4.3	A8, A19, A20, IB4, T3, TP33	151	212	241	15 kg	50 kg	E	13, 52, 148
	Lithium hydroxide	8	UN2680	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	Lithium hydroxide, solution	8	UN2679	8	B2, IB2, I7, TP2	154	202	242	1 L	30 L	A	29, 52
		III		8	IB3, T4, TP2	154	203	241	5 L	60 L	A	29, 52, 96
	Lithium hypochlorite, dry or Lithium hypochlorite mixture	5.1	UN1471	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	4, 25, 52, 56, 58, 69, 106, 116
		.....		5.1	IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	4, 25, 52, 56, 58, 69, 106, 116
	Lithium in cartridges, see Lithium											
	Lithium ion batteries including lithium ion polymer batteries	9	UN3480	9	A51	185	185	185	5 kg	35 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	(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)
	Lithium ion batteries contained in equipment including lithium ion polymer batteries	9	UN3481	.....	9	A54	185	185	185	5 kg	35 kg	A	
	Lithium ion batteries packed with equipment including lithium ion polymer batteries	9	UN3481	.....	9	A54	185	185	185	5 kg	35 kg	A	
	Lithium metal batteries including lithium alloy batteries	9	UN3090	.....	9	.....	185	185	185	Forbidden	35 kg	A	
	Lithium metal batteries contained in equipment including lithium alloy batteries	9	UN3091	.....	9	A54, A101	185	185	185	5 kg	35 kg	A	
	Lithium metal batteries packed with equipment including lithium alloy batteries	9	UN3091	.....	9	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	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	152	212	None	5 kg	25 kg	C	
	Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	A	13, 85, 103, 148
	LNG, see Methane etc. (UN 1972) London purple LPG, see Petroleum gases, liquefied Lye, see Sodium hydroxide, solutions Magnesium aluminum phosphide	6.1	UN1621	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Magnesium arsenate Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s. Magnesium bromate Magnesium chlorate	4.3	UN1419	I	4.3, 6.1	A19, N34, N40	None	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
+		6.1	UN1622	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
		5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
		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	None	212	241	15 kg	50 kg	C	13, 148
Magnesium dross, wet or hot	Forbidden	6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Magnesium fluorosilicate		4.3	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	240	25 kg	100 kg	A	13, 52, 148
Magnesium granules, coated, particle size not less than 149 microns		4.3	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	13, 52, 148
Magnesium hydride	4.1	UN1869	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101, 147, 148
Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons	5.1	UN1474	III	5.1	332, A1, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Magnesium nitrate	5.1	UN1475	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 66, 75
Magnesium perchlorate	5.1	UN1476	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	C	13, 52, 66, 75
Magnesium peroxide	4.3	UN2011	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
Magnesium phosphide	4.3	UN1418	I	4.3, 4.2	A19, B56	None	211	244	Forbidden	15 kg	A	13, 39, 52, 148
Magnesium, powder or Magnesium alloys, powder	II		II	4.3, 4.2	A19, B56, IB5, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	13, 39, 52, 148
Magnesium scrap, see Magnesium, etc. (UN 1869)	III		III	4.3, 4.2	A19, B56, IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	A	13, 39, 52, 148
Magnesium silicide	4.3	UN2624	II	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	B	13, 85, 103, 148
Magnetized material, see § 173.21	8	UN2215	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	95, 102
Maleic anhydride	8	UN2215	III	8	IB8, IP2, IP4, T3, TP33	153	212	242	Forbidden	Forbidden	A	95, 102
Maleic anhydride, molten	6.1	UN2647	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 25
Malononitrile												
Mancozeb (manganese ethylenebisdiithiocarbamate complex with zinc) see Maneb												
Maneb or Maneb preparations with not less than 60 percent maneb	4.2	UN2210	III	4.2, 4.3	57, A1, A19, IB6, T1, TP33	None	213	242	25 kg	100 kg	A	13, 34, 148
Maneb stabilized, or Maneb preparations, stabilized against self-heating	4.3	UN2968	III	4.3	54, A1, A19, IB8, IP4, T1, TP33	151	213	242	25 kg	100 kg	B	13, 34, 52, 148
Manganese nitrate	5.1	UN2724	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Manganese resinate	4.1	UN1830	III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	
Mannitan tetranitrate	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)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Mannitol hexanitrate (dry) Nitromannite, wetted or than 40 percent water, or mixture of alcohol and water, by mass Manne pollutants, liquid or solid, n.o.s., see Environmentally haz- ardous substances, liquid or solid, n.o.s. Matches, block, see Matches, 'strike anywhere' Matches, fusee Matches, safety (book, card or strike on box) Matches, strike anywhere Matches, wax, Vesta Matting acid, see Sulfuric acid Medicine, liquid, flammable, toxic, n.o.s.	Forbidden 1.1D 4.1 4.1 4.1 4.1 3	UN0133 UN2254 UN1944 UN1331 UN1945 UN3248	II III III III II	1.1D 4.1 4.1 3, 6.1	121	None	62	None	Forbidden	Forbidden	04	25
	Medicine, liquid, toxic, n.o.s.	6.1	UN1851	III	3, 6.1	IB3	150	203	242	60 L	220 L	A	40
	Medicine, solid, toxic, n.o.s.	6.1	UN3249	III	6.1	T3, TP33	153	203	241	60 L	220 L	C	40
	Medicine, liquid, toxic, n.o.s.	3	UN3336	I	3	T3, TP33	153	213	240	100 kg	200 kg	C	40
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T11, TP2, TP27	None	202	243	Forbidden	60 L	B	40, 95, 102
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN3336	I	3	T11, TP2	150	201	243	1 L	30 L	E	95, 102
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	95, 102
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T11, TP2, TP27	None	202	243	Forbidden	60 L	B	40, 95, 102
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	203	241	60 L	220 L	B	95, 102
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T11, TP2, TP27	None	202	243	Forbidden	60 L	B	40, 95, 102
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix- tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	203	242	5 L	220 L	A	40, 95, 102

	6.1	UN3071	II	6.1, 3	A6, IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	C	40, 102, 121
Mercaptans, liquid, toxic, flammable, n.o.s. or Mercaptan mixtures, liquid, toxic, flammable, n.o.s., flash point not less than 23 degrees C												
5-Mercaptoletrazol-1-acetic acid	1.4C	UN0448	II	1.4C		None	62	None	Forbidden	75 kg	02	25
Mercuric arsenate	6.1	UN1623	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercuric chloride	6.1	UN1624	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercuric compounds, see Mercury compounds, etc												
Mercuric nitrate	6.1	UN1625	II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercuric potassium cyanide	6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52
Mercuric sulfocyanate, see Mercury thiocyanate												
Mercuriol, see Mercury nucleate												
Mercurous azide	Forbidden											
Mercurous compounds, see Mercury compounds, etc												
Mercurous nitrate	6.1	UN1627	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercury	8	UN2809	III	8, 6.1	365	164	164	240	35 kg	35 kg	B	40, 97
Mercury acetate	6.1	UN1629	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercury acetylde	Forbidden											
Mercury ammonium chloride	6.1	UN1630	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2778	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Mercury based pesticides, liquid, toxic	6.1	UN3012	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Mercury based pesticides, liquid, toxic	6.1	UN3012	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3011	III	6.1, 3	IB2, T11, TP2, TP13, 153	153	202	243	5 L	60 L	B	40
Mercury based pesticides, solid, toxic	6.1	UN2777	I	6.1, 3	IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
Mercury benzoate	6.1	UN1631	II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Mercury bromides	6.1	UN1634	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Mercury compound, liquid, n.o.s	6.1	UN2024	I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
			III	6.1	IB2, IB3	None	201	243	1 L	30 L	B	40
			III	6.1	IB3	153	203	241	5 L	60 L	B	40

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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	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	Mercury compound, solid, n.o.s	6.1	UN2025	I II III	6.1 6.1 6.1	IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	None	211 212	242 242	5 kg 25 kg	50 kg 100 kg	A A	
A W	Mercury contained in manufactured articles	8	UN3506	.....	8, 6.1	IB8, IP3, T1, A191	153 164	213 None	240 None	100 kg No limit	No limit	B	40, 97
	Mercury cyanide	6.1	UN1636	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass	1.1A	UN0135	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Mercury gluconate	6.1	UN1637	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury iodide	6.1	UN1638	II	6.1	IB2, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury iodide aquabasic ammonobasic (iodide of Millon's base)	Forbidden											
	Mercury nitride	Forbidden											
	Mercury nucleate	6.1	UN1639	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury oleate	6.1	UN1640	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury oxide	6.1	UN1641	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury oxycyanide	Forbidden											
	Mercury oxyanide, desensitized	6.1	UN1642	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
	Mercury potassium iodide	6.1	UN1643	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury salicylate	6.1	UN1644	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury sulfates	6.1	UN1645	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
+	Mercury thiocyanate	6.1	UN1646	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mesityl oxide	3	UN1229	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
G	Metal carbonyls, liquid, n.o.s.	6.1	UN3281	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Metal carbonyls, solid, n.o.s.	6.1	UN3466	I II III	6.1 6.1 6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	B	40
G	Metal catalyst, dry	4.2	UN2881	I	4.2	N34, T21, TP7, TP33	None	187	None	Forbidden	Forbidden	C	13, 147, 148

G	Metal catalyst, wetted with a visible excess of liquid Metal hydrides, flammable, n.o.s. Metal hydrides, water reactive, n.o.s	4.2	UN1378	II	4.2	IB6, IP2, N34, T3, TP33	None	187	242	Forbidden	50 kg	C	13, 147, 148
		4.1	UN3182	III	4.2	IB8, IP3, N34, T1, TP33	None	187	241	25 kg	100 kg	C	13, 147, 148
		4.3	UN1409	II	4.2	A2, A8, IB1, N34, T3, TP33	None	212	None	Forbidden	50 kg	C	
				II	4.1	A1, IB4, T3, TP33	151	212	240	15 kg	50 kg	E	
		4.2	UN3189	III	4.1	A1, IB4, T1, TP33	151	213	240	25 kg	100 kg	E	
				II	4.3	A19, N34, N40	None	211	242	Forbidden	15 kg	D	
		4.1	UN3089	II	4.3	A19, IB4, N34, N40, T3, TP33	151	212	242	15 kg	50 kg	D	
				III	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	C	
		4.1	UN3089	III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	C	
				II	4.1	IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	
III	4.1	IB8, IP2, IP4, T1, TP33	151	213	240	25 kg	100 kg	B					
G	Metal salts of methyl nitramine (dry) Metal salts of organic compounds, flammable, n.o.s.	4.1	UN3181	II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	40
		4.1	UN1332	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	40
		4.3	UN3208	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
				I	4.3	A7, IB4	None	211	242	Forbidden	15 kg	E	
G	Metallic substance, water-reactive, n.o.s	II		II	4.3	A7, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	13, 40, 148
		III		III	4.3	A7, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	E	13, 40, 148
		I	UN3209	I	4.3, 4.2	A7	None	211	242	Forbidden	15 kg	E	13, 40, 148
		II		II	4.3, 4.2	A7, IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	E	13, 40, 148
+	Methacryaldehyde, stabilized Methacrylic acid, stabilized Methacrylonitrile, stabilized Methyl alcohol Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures, etc	3	UN2396	II	3, 6.1	45, IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
		8	UN2531	II	8	41, IB2, T7, TP1, TP18, TP30	154	202	242	1 L	30 L	C	40
		6.1	UN3079	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 25, 40
3	UN2614	III	3	B1, B3, 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)	
+ D +	Methane, compressed or Natural gas, compressed (with high meth-ane content)	2.1	UN1971		2.1		306	302	302	Forbidden	150 kg	E	40	
	Methane, refrigerated liquid (cryo-genic liquid) or Natural gas, re-ferated liquid (cryogenic liquid), with high methane content)	2.1	UN1972		2.1	T75, TP5	None	None	318	Forbidden	Forbidden	D	40	
	Methanesulfonyl chloride	6.1	UN3246	I	6.1, 8		None	227	244	Forbidden	Forbidden	D	40	
	Methanol	3	UN1230	II	3, 6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	150	202	242	242	1 L 60 L	B B	40 40	
	Methanoic acid	Forbidden	UN1230	II	3	IB2, T7, TP2	150	202	242	242	1 L 60 L	B B	40 40	
	4-Methoxy-4-methylpentan-2-one	3	UN2293	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L 220 L	A A	40 40	
	1-Methoxy-2-propanol	3	UN3092	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L 220 L	A A	40 40	
	Methoxymethyl isocyanate	6.1	UN2605	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40	
	Methyl acetate	3	UN1231	II	3	IB2, T4, TP1	150	202	242	242	5 L 60 L	B B	40 40	
	Methyl acetylene and propadiene mixtures, stabilized	2.1	UN1060		2.1	N88, T50	306	304	314, 315	Forbidden	150 kg	B	40	
	Methyl acrylate, stabilized	3	UN1919	II	3	IB2, T4, TP1, TP13	150	202	242	242	5 L	B	40	
	Methyl alcohol, see Methanol													
	Methyl allyl chloride	3	UN2554	II	3	IB2, T4, TP1, TP13	150	202	242	242	5 L	E	40	
Methyl amyl ketone, see Amyl methyl ketone														
Methyl bromide	2.3	UN1062			2.3	3, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	40	
Methyl bromide and chloropicrin mixtures with more than 2 per-cent chloropicrin, see Chloropicrin and methyl bromide mixtures														
Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide														
Methyl bromide and ethylene dibromide mixtures, liquid	6.1	UN1647	I	6.1	2, B9, B14, B32, N65, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40		
Methyl bromoacetate	6.1	UN2643	II	6.1	IB2, T7, TP2	153	202	243	243	5 L 60 L	D D	40 40		

2-Methylbutanal	3	UN3371	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
2-Methyl-1-butene	3	UN2459	I	3	T11, TP2	None	201	243	1 L	30 L	E	
2-Methyl-2-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 chlorocarbonate, 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, 100
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	UN2983	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	
<i>Methyl ethyl ether, see Ethyl methyl ether</i>												
Methyl ethyl ketone, see Ethyl methyl ketone												
<i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen</i>	Forbidden											
2-Methyl-5-ethylpyridine	6.1	UN2300	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
Methyl fluoride, or Refrigerant gas R-41	2.1	UN2454		2.1		306	304	314, 315	Forbidden	150 kg	E	
Methyl formate	3	UN1243	I	3	T11, TP2	150	201	243	1 L	30 L	E	
2-Methyl-2-heptanethiol	6.1	UN3023	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 102
Methyl iodide	6.1	UN2644	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 25, 40
Methyl isobutyl carbinol	3	UN2053	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Methyl isobutyl ketone	3	UN1245	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen</i>	Forbidden											
Methyl isocyanate	6.1	UN2480	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40, 52
Methyl isopropenyl ketone, stabilized	3	UN1246	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)
	Methyl isothiocyanate	6.1	UN2477	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Methyl isovalerate	3	UN2400	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyl magnesium bromide, in ethyl ether	4.3	UN1928	I	4.3, 3	.....	None	201	243	Forbidden	1 L	D	13, 148
	Methyl mercaptan	2.3	UN1064		2.3, 2.1	3, B7, B9, B14, N89, T50	None	304	314, 315	Forbidden	Forbidden	D	40
	<i>Methyl mercaptopropionaldehyde, see 4-Thiapentanal</i>												
	Methyl methacrylate monomer, stabilized	3	UN1247	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Methyl nitramine (dry)</i>	Forbidden											
	<i>Methyl nitrate</i>	Forbidden											
	<i>Methyl nitrite</i>	Forbidden											
	<i>Methyl norbomene dicarboxylic anhydride, see Corrosive liquids, n.o.s.</i>												
	Methyl orthosilicate	6.1	UN2606	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
D	Methyl phosphonic dichloride	6.1	NA9206	I	6.1, 8	2, B9, B14, B32, N34, N43, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	
	<i>Methyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, n.o.s.</i>												
D	Methyl phosphonous dichloride, pyrophoric liquid	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	
	Methyl propyl ether	3	UN2612	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
	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											

Proper Shipping Name	UN Number	Class	Quantity	Special Provisions	Prohibitions	Quantity	Prohibitions	Class	Quantity
Methyl vinyl ketone, stabilized	UN1251	I	6.1, 3, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	Forbidden	244	Forbidden	B	21, 40, 100
Methylal	UN1234	II	3		5 L	242	5 L	E	40
Methylamine, anhydrous	UN1061	II	2.1		Forbidden	314, 315	Forbidden	B	40
Methylamine, aqueous solution	UN1235	II	3, 8	B1, IB2, T7, TP1	1 L	243	1 L	E	52, 135
<i>Methylamine dinitramine and dry salts thereof</i>									
<i>Methylamine nitroform</i>									
<i>Methylamine perchlorate (dry)</i>									
Methylamyl acetate	UN1233	III	3	B1, IB3, T2, TP1	60 L	242	60 L	A	
N-Methylamine	UN2294	III	6.1	IB3, T4, TP1	220 L	241	220 L	A	
alpha-Methylbenzyl alcohol, liquid	UN2937	III	6.1	IB3, T4, TP1	220 L	241	220 L	A	
alpha-Methylbenzyl alcohol, solid	UN3438	III	6.1	IB8, IP3, T1, TP33	200 kg	240	100 kg	A	
3-Methylbutan-2-one	UN2397	II	3	IB2, T4, TP1	5 L	242	5 L	B	
N-Methylbutylamine	UN2945	II	3, 8	IB2, T7, TP1	1 L	243	1 L	B	40
Methylchlorosilane	UN2534		2, 3, 2, 1, 8	2, B9, B14, N34	Forbidden	314, 315	Forbidden	D	17, 40
Methylcyclohexane	UN2296	II	3	B1, IB2, T4, TP1	5 L	242	5 L	B	
Methylcyclohexanols, flammable	UN2617	III	3	B1, IB3, T2, TP1	60 L	242	60 L	A	
Methylcyclohexanone	UN2297	III	3	B1, IB3, T2, TP1	60 L	242	60 L	A	
Methylcyclopentane	UN2298	II	3	IB2, T4, TP1	5 L	242	5 L	B	
Methyldichloroarsine	NA1556	I	6.1	2, T20, TP4, TP13, TP38, TP45	Forbidden	None	Forbidden	D	40
Methyldichlorosilane	UN1242	I	4, 3, 8, 3	A2, A3, A7, B6, B77, N34, T14, TP2, TP7, TP13	1 L	243	1 L	D	21, 28, 40, 49, 100
<i>Methylene chloride, see Dichloromethane</i>									
<i>Methylene glycol dinitrate</i>									
2-Methylfuran	UN2301	II	3	IB2, T4, TP1	5 L	242	5 L	E	
a-Methylglucoside tetranitrate									
5-Methylhexan-2-one	UN2302	III	3	B1, IB3, T2, TP1	60 L	242	60 L	A	
Methylhydrazine	UN1244	I	6.1, 3, 8	1, B7, B9, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	Forbidden	244	Forbidden	D	21, 40, 49, 52 and 100
4-Methylmorpholine or methylmorpholine	UN2535	II	3, 8	B6, IB2, T7, TP1	1 L	243	1 L	B	40
Methylpentadienes	UN2461	II	3	IB2, T4, TP1	5 L	242	5 L	E	
2-Methylpentan-2-ol	UN2560	III	3	B1, IB3, T2, TP1	60 L	242	60 L	A	
<i>Methylpentanes, see Hexanes</i>									
Methylphenyldichlorosilane	UN2437	II	8	T10, TP2, TP7, TP13	Forbidden	242	Forbidden	C	40
1-Methylpiperidine	UN2399	II	3, 8	IB2, T7, TP1	1 L	243	1 L	B	52
Methyltetrahydrofuran	UN2536	II	3	IB2, T4, TP1	5 L	242	5 L	B	
Methyltrichlorosilane	UN1250	II	3, 8	A7, B6, B77, N34, T10, TP2, TP7, TP13	Forbidden	243	Forbidden	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)
(1)	alpha-Methylvaleraldehyde <i>Mine rescue equipment containing carbon dioxide, see Carbon dioxide</i>	3	UN2367	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Mines with bursting charge	1.1F	UN0136	II	1.1F	.....		62	None	Forbidden	Forbidden	05	25
	Mines with bursting charge	1.1D	UN0137	II	1.1D	.....		62	62	Forbidden	Forbidden	04	25
	Mines with bursting charge	1.2D	UN0138	II	1.2D	.....		62	62	Forbidden	Forbidden	04	25
	Mines with bursting charge	1.2F	UN0294	II	1.2F	.....		62	None	Forbidden	Forbidden	05	25
	Mixed acid, see Nitrating acid, mixtures etc												
	Mobility aids, see Battery powered equipment or Battery powered vehicle												
D	Model rocket motor	1.4C	NA0276	II	1.4C	51	None	62	None	Forbidden	75 kg	02	25
D	Model rocket motor	1.4S	NA0323	II	1.4S	51	None	62	None	25 kg	100 kg	01	25
	Molybdenum pentachloride	8	UN2508	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	C	40
	Monochloroacetone (unstabilized)												
	Monochloroethylene, see Vinyl chloride, stabilized												
	Monoethanolamine, see Ethanolamine, solutions												
	Monoethylamine, see Ethylamine												
	Morpholine												
	Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s.												
	Motor fuel anti-knock compounds												
	Motor fuel anti-knock mixtures												
+	Motor fuel anti-knock mixture, flammable	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	Forbidden	Forbidden	D	25, 40
+	Motor fuel anti-knock mixtures	6.1	UN1649	I	6.1	14, B9, B90, T14, TP2, TP13	None	201	244	Forbidden	30 L	D	25, 40
	Motor spirit, see Gasoline												
	Muratic acid, see Hydrochloric acid												
	Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene												
	Naphtha see Petroleum distillates n.o.s.												

Naphthalene, crude or thalene, refined	4.1	UN1334	III	4.1	A1, B120, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	
Naphthalene diozonide	Forbidden										
beta-Naphthylamine, solid	6.1	UN1650	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
beta-Naphthylamine solution	6.1	UN3411	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	A	
			III	6.1	IB2, T7, TP2	203	241	60 L	220 L	A	
alpha-Naphthylamine	6.1	UN2077	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	
Naphthalene, molten	4.1	UN2304	III	4.1	IB1, T1, TP3	213	241	Forbidden	Forbidden	C	
Naphthylamineperchlorate	Forbidden										
Naphthylthiourea	6.1	UN1651	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
Naphthylurea	6.1	UN1652	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
Natural gases (with high methane content), see Methane, etc. (UN 1971, UN 1972)											
Neohexane, see Hexanes											
Neon, compressed	2.2	UN1065	.....	2.2	.....	306,	None	75 kg	150 kg	A	
						307	None	50 kg	500 kg	D	
Neon, refrigerated liquid (cryogenic liquid)	2.2	UN1913		2.2	T75, TP5	316	None				
New explosive or explosive device, see §§ 173.51 and 173.56											
Nickel carbonyl	6.1	UN1259	I	6.1, 3	IB8, IP2, IP4, I74, N75, 1	198	None	Forbidden	Forbidden	D	40, 78
Nickel cyanide	6.1	UN1653	II	6.1	T3, TP33	212	242	25 kg	100 kg	A	52
Nickel nitrate	5.1	UN2725	III	5.1	A1, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	
Nickel nitrite	5.1	UN2726	III	5.1	A1, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	56, 58
Nickel picrate	Forbidden										
Nicotine	6.1	UN1654	II	6.1	IB2	202	243	5 L	60 L	A	
Nicotine compounds, liquid, n.o.s. or Nicotine preparations, liquid, n.o.s.	6.1	UN3144	I	6.1	A4	201	243	1 L	30 L	B	40
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	II	6.1	IB2, T11, TP2, TP27	202	243	5 L	60 L	B	40
			III	6.1	IB3, T7, TP1, TP28	203	241	60 L	220 L	B	40
			I	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	B	
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
			I	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	
			III	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	B	
Nicotine hydrochloride liquid or solution	6.1	UN1656	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
			III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	
			II	6.1	IB2	202	243	5 L	60 L	A	
Nicotine hydrochloride, solid	6.1	UN3444	III	6.1	IB3	203	241	60 L	220 L	A	
Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
Nicotine sulfate solution	6.1	UN1658	III	6.1	IB2, T7, TP2	212	242	5 L	60 L	A	
			III	6.1	IB3, T7, TP2	202	243	5 L	60 L	A	
Nicotine sulphate, solid	6.1	UN3445	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
Nicotine tartrate	6.1	UN1659	II	6.1	IB8, IP2, IP4, T3, TP33	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)	Loca-tion (10A)	Other (10B)							
+	Nitrated paper (unstable) Nitrates, inorganic, aqueous solution, n.o.s. Nitrates, inorganic, n.o.s. Nitrates of diazonium compounds Nitration acid mixtures, spent with more than 50 percent nitric acid Nitration acid mixtures spent with not more than 50 percent nitric acid Nitration acid mixtures with more than 50 percent nitric acid Nitration acid mixtures with not more than 50 percent nitric acid Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid Nitric acid other than red fuming, with more than 20 percent and less than 65 percent nitric acid Nitric acid other than red fuming with not more than 20 percent nitric acid Nitric acid, red fuming	Forbidden 5.1 5.1 Forbidden 8 8 8 8 8 8 8 8 8 8	UN3218 UN1477 UN1826 UN1826 UN1796 UN1796 UN2031 UN2031 UN2031 UN2032 UN2031 UN1660	II III II III I II II II II I I I	5.1 5.1 5.1 5.1 8, 5.1 8 8, 5.1 8 8 8, 5.1 8, 5.1, 6.1 8, 5.1 2.3, 5.1, 8	(7)	Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)							
														152	202	242	1 L	5 L	B	56, 58, 133
														152	203	241	2.5 L	30 L	B	56, 58, 133
														152	212	240	5 kg	25 kg	A	56, 58
														152	213	240	25 kg	100 kg	A	56, 58
														None	158	243	Forbidden	Forbidden	D	40, 66
														None	158	242	Forbidden	Forbidden	D	40
														None	158	243	Forbidden	Forbidden	D	40, 66
														None	158	242	Forbidden	Forbidden	D	40
														None	158	242	Forbidden	Forbidden	D	66, 74, 89, 90
														None	158	242	Forbidden	Forbidden	D	44, 66, 74, 89, 90
														None	158	242	Forbidden	Forbidden	D	40, 66, 74, 89, 90
														None	227	244	Forbidden	Forbidden	D	40, 66, 74, 89, 90
None	158	243	Forbidden	Forbidden	D	44, 66, 89, 90, 110, 111														
None	337	None	Forbidden	Forbidden	D	40, 89, 90														

	2.3	UN1975	2.3, 5.1, 8	1, B77	337	None	Forbidden	Forbidden	D	40, 89, 90
G	Nitric oxide and dinitrogen tetroxide mixtures; Nitric oxide and nitrogen dioxide mixtures	3	I	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	E	40, 52
	Nitrites, flammable, toxic, n.o.s.	UN3273	II	IB2, T11, TP2, TP13, TP27	202	243	1 L	60 L	B	40, 52
G	Nitrites, inorganic, aqueous solution, n.o.s.	UN3219	II	IB1, T4, TP1	202	242	1 L	5 L	B	46, 56, 58, 133
			III	IB2, T4, TP1	203	241	2.5 L	30 L	B	46, 56, 58, 133
G	Nitrites, inorganic, n.o.s.	UN2627	II	33, IB8, IP2, IP4, T3, TP33	212	None	5 kg	25 kg	A	46, 56, 58, 13
G	Nitrites, liquid, toxic, n.o.s.	UN3276	I	5, T14, TP2, TP13, TP27	201	243	1 L	30 L	B	52
			II	IB2, T11, TP2, TP27	202	243	5 L	60 L	B	52
			III	IB3, T7, TP1, TP28	203	241	60 L	220 L	A	52
G	Nitrioles, solid, toxic, n.o.s.	UN3439	I	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	D	52
			II	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	B	52
			III	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	52
G	Nitrioles, toxic, flammable, n.o.s.	UN3275	I	5, T14, TP2, TP13, TP27	201	243	1 L	30 L	B	40, 52
			II	IB2, T11, TP2, TP13, TP27	202	243	5 L	60 L	B	40, 52
	3-Nitro-4-chlorobenzotrifluoride	UN2307	II	IB2, T7, TP2	202	243	5 L	60 L	A	40
	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	Forbidden								
	Nitro isobutane triol trinitrate	Forbidden								
	N-Nitro-N-methylglycolamide nitrate	Forbidden								
	2-Nitro-2-methylpropanol nitrate	Forbidden								
	Nitro urea	1.1D	II	.....	62	None	Forbidden	Forbidden	04	25
	N-Nitroaniline	Forbidden								
+	Nitroanilines (o-, m-, p-)	6.1	II	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
	Nitroanisole, liquid	UN2730	III	IB3, T4, TP1	203	241	60 L	220 L	A	
	Nitroanisoles, solid	UN3458	III	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	
+	Nitrobenzene	UN1662	II	IB2, T7, TP2	202	243	5 L	60 L	A	40
	m-Nitrobenzene	Forbidden								
	chlorate									
	Nitrobenzenesulfonic acid	8	II	B2, B4, IB8, IP2, IP4, T3, TP33	202	242	1 L	30 L	A	
	Nitrobenzol, see Nitrobenzene									
	5-Nitrobenzotriazole	1.1D	II	.....	62	None	Forbidden	Forbidden	04	25
	Nitrobenzotrifluorides, liquid	UN2306	II	IB2, T7, TP2	202	243	5 L	60 L	A	40
	Nitrobenzotrifluorides, solid	UN3431	III	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	40
	Nitrobenzenes, liquid	UN2732	III	IB3, T4, TP1	203	241	60 L	220 L	A	
	Nitrobenzenes, solid	UN3459	III	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	
	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass	1.1D	II	.....	62	None	Forbidden	Forbidden	04	25, 27E

§ 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)
	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	151	212	240	1 kg	15 kg	D	28, 36
	Nitrocellulose membrane 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	II	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	II	1.1D	198, IB2, T4, TP1, TP8 198, B1, IB3, T2, TP1	150 150 None	202 203 62	242 242 None	5 L 60 L Forbidden	60 L 220 L Forbidden	B A 04	25, 27E
	Nitrocellulose with alcohol with not less than 25 percent alcohol, by mass	1.3C	UN0342	II	1.3C		None	62	None	Forbidden	Forbidden	04	25
	Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass	4.1	UN2556	II	4.1		151	212	None	1 kg	15 kg	D	28, 36
	Nitrocellulose with water with not less than 25 percent water by mass	4.1	UN2555	II	4.1		151	212	None	15 kg	50 kg	E	28, 36
	Nitrochlorobenzene, see Chloronitrobenzenes etc	6.1	UN3434	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitrocresols, liquid	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											

	2.2	UN1066	2.2	2.2	306, 307	302	314, 315	75 kg	150 kg	A	
Nitrogen, compressed											
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	2.2	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	UN2451	2.2, 5.1		None	302	None	75 kg	150 kg	D	40
Nitrogen trifluoride											
Nitrogen triiodide	Forbidden										
Nitrogen triiodide monoamine	Forbidden	UN2421	2.3, 5.1, 8		1	336	245	Forbidden	Forbidden	D	40, 89, 90
Nitrogen trioxide											
Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass	1.1D	UN0143	II	1.1D, 6.1	125	62	None	Forbidden	Forbidden	04	25, 21E
Nitroglycerin, liquid, not desensitized	Forbidden										
Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass	3	UN3343	3		129	214	None	Forbidden	Forbidden	D	
Nitroglycerin mixture, desensitized, liquid, 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, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass	4.1	UN3319	II	4.1	118	None	None	Forbidden	0.5 kg	E	
Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin	3	UN3064	II	3	N8	202	None	Forbidden	5 L	E	
Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin	1.1D	UN0144	II	1.1D	.....	62	None	Forbidden	Forbidden	04	25, 21E
Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin	3	UN1204	II	3	IB2, N34	202	None	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)
+	Nitroguanidine nitrate	Forbidden	UN0282	II	1.1D	None	62	None	Forbidden	Forbidden	04	25
	Nitroguanidine or Picric acid, dry or wetted with less than 20 percent water, by mass												
	Nitroguanidine, wetted or Picric acid, wetted with not less than 20 percent water, by mass												
	1-Nitrohydantoin												
	Nitrohydrochloric acid												
	Nitromannite (dry)												
	Nitromannite, wetted, see Mannitol hexanitrate, etc												
	Nitromethane												
	Nitromuriatic acid, see Nitrohydrochloric acid												
	Nitronaphthalene												
	Nitrophenols (o-; m-; p-)												
	m-Nitrophenyldinitro methane												
	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	
p-Nitrosodimethylaniline	4.2	UN1369	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	D	25	
Nitrostarch, dry or wetted with less than 20 percent water, by mass	1.1D	UN0146	II	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	None	211	None	1 kg	15 kg	D	28, 36	
Nitrosugars (dry)	Forbidden	UN1069	II	2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40	
Nitrosyl chloride													
Nitrosylsulfuric acid, liquid	8	UN2308	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90	

UN3456	8	UN3456	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 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, 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	II	1.1D	.....	None	62	None	Forbidden	Forbidden	O4	25
Nitrous oxide	2.2	UN1070	II	2.2	A14	306	304	314	75 kg	150 kg	A	40
Nitrous oxide, refrigerated liquid	2.2	UN2201	II	5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	D	40
Nitroxylene, liquid	6.1	UN1665	II	5.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Nitroxylene, solid	6.1	UN3447	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nitroxylol, see Nitroxylene												
Nonanes	3	UN1920	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc												
Nonliquefied gases, see Compressed gases, etc												
Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s.												
Nonyltrichlorosilane	8	UN1799	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Nordhausen acid, see Sulfuric acid, fuming, etc												
2,5-Norbornadiene, stabilized, see Bicyclo [2,2,1] hepta-2,5-diene, stabilized												
Octadecyltrichlorosilane	8	UN1800	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Octadiene	3	UN2309	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,7-Octadiene-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid	Forbiddn											
Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN2422	II	2.2		None	304	314, 315	75 kg	150 kg	A	
Octafluorocyclobutane, or Refrigerant gas FC 318	2.2	UN1976	II	2.2	T50	None	304	314, 315	75 kg	150 kg	A	
Octafluoropropane or Refrigerant gas R 218	2.2	UN2424	II	2.2	T50	None	304	314, 315	75 kg	150 kg	A	
Octanes	3	UN1262	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Octogen, etc. see Cyclotetramethylene tetranitramine, etc												
Octoile or Octol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0266	II	1.1D	.....	None	62	None	Forbidden	Forbidden	O4	25
Octonal	1.1D	UN0496	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	O4	25
Octyl aldehydes	3	UN1191	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)
	Octyltrichlorosilane	8	UN1801	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Oil gas, compressed	2.3	UN1071		2.3, 2.1	6	None	304	314, 315	Forbidden	25 kg	D	40
	<i>Oleum</i> , see Sulfuric acid, fuming												
	<i>Organic peroxide type A, liquid or solid</i>	Forbidden											
G	Organic peroxide type B, liquid	5.2	UN3101	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 25, 52, 53
G	Organic peroxide type B, liquid, temperature controlled	5.2	UN3111	II	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type B, solid	5.2	UN3102	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 25, 52, 53
G	Organic peroxide type B, solid, temperature controlled	5.2	UN3112	II	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, liquid	5.2	UN3103	II	5.2	.....	152	225	None	5 L	10 L	D	12, 25, 52, 53
G	Organic peroxide type C, liquid, temperature controlled	5.2	UN3113	II	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, solid	5.2	UN3104	II	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	II	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, liquid	5.2	UN3105	II	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	II	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, solid	5.2	UN3106	II	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	II	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, liquid	5.2	UN3107	II	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	II	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, solid	5.2	UN3108	II	5.2	.....	152	225	None	10 kg	25 kg	D	12, 25, 52, 53

UN Number	Proper Shipping Name	Class	Division	Subdivision	Special Provisions	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
5.2 UN3118	Organic peroxide type E, solid, temperature controlled	II	5.2			None				D	2, 25, 52, 53
5.2 UN3109	Organic peroxide type F, liquid	II	5.2		A61, IP5	152		10 L	25 L	D	12, 25, 52, 53
5.2 UN3119	Organic peroxide type F, liquid, temperature controlled	II	5.2		IP5	None		Forbidden	Forbidden	D	2, 25, 52, 53
5.2 UN3110	Organic peroxide type F, solid	II	5.2		TP33	152		10 kg	25 kg	D	12, 25, 52, 53
5.2 UN3120	Organic peroxide type F, solid, temperature controlled	II	5.2		TP33	None		Forbidden	Forbidden	D	2, 25, 52, 53
2.3 NA1955	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	2.3			3	None		Forbidden	Forbidden	D	2, 25, 52, 53
4.2 UN3313	Organic pigments, self-heating	II	4.2		IB8, IP2, IP4, T3, TP33	None		15 kg	50 kg	C	
6.1 UN3280	Organoarsenic compound, liquid, n.o.s.	III	6.1		IB8, IP3, T1, TP33	None		25 kg	100 kg	C	
6.1 UN3465	Organoarsenic compound, solid, n.o.s.	I	6.1		5, T14, TP2, TP13, TP27	None		1 L	30 L	B	
3 UN2762	Organochlorine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	I	3, 6.1		IB2, T11, TP2, TP27	153		5 L	60 L	B	
6.1 UN2996	Organochlorine pesticides, liquid, toxic	II	6.1		IB3, T7, TP1, TP28	153		60 L	220 L	A	
6.1 UN2995	Organochlorine pesticides, liquid, toxic, flash point not less than 23 degrees C	I	6.1, 3		IB7, IP1, T6, TP33	None		5 kg	50 kg	B	40
6.1 UN2761	Organochlorine pesticides, solid, toxic	III	6.1, 3		IB2, T11, TP2, TP13, TP27	150		1 L	60 L	B	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	I	6.1		T14, TP2, TP13, TP27	None		1 L	30 L	B	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	II	6.1, 3		IB2, T11, TP2, TP13	153		5 L	60 L	B	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	III	6.1, 3		B1, IB3, T7, TP2, TP28	153		60 L	220 L	A	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	I	6.1		IB7, IP1, T6, TP33	None		5 kg	50 kg	A	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	II	6.1		IB8, IP2, IP4, T3, TP33	153		25 kg	100 kg	A	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	III	6.1		IB8, IP3, T1, TP33	153		100 kg	200 kg	A	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	I	6.1		T14, TP2, TP13, TP27	None		1 L	30 L	B	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	II	6.1		IB2, T11, TP2, TP27	153		5 L	60 L	B	40
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	III	6.1		IB3, T7, TP1, TP28	153		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)
G	Organometallic compound, solid, toxic, n.o.s	6.1	UN3467	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	
G	Organometallic substance, liquid, pyrophoric	4.2	UN3392	I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	13, 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, 52, 78, 148
G	Organometallic substance, liquid, water-reactive	4.3	UN3398	I	4.3	T13, TP2, TP7, TP36, TP47	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
				II	4.3, 3	IB1, T7, TP2, TP7, TP36, TP47	None	202	243	1 L	5 L	E	13, 40, 52, 148
				III	4.3, 3	IB2, T7, TP2, TP7, TP36, TP47	None	203	242	5 L	60 L	E	13, 40, 52, 148
G	Organometallic substance, liquid, water-reactive, flammable	4.3	UN3399	I	4.3, 3	T13, TP2, TP7, TP36, TP47	None	201	244	Forbidden	1 L	D	13, 40, 52, 148
				II	4.3, 3	IB1, IP2, T7, TP2, TP7, TP36, TP47	None	202	243	1 L	5 L	D	13, 40, 52, 148
				III	4.3, 3	IB2, IP4, T7, TP2, TP7, TP36, TP47	None	203	242	5 L	60 L	E	13, 40, 52, 148
G	Organometallic substance, solid, pyrophoric	4.2	UN3391	I	4.2	T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	13, 148
G	Organometallic substance, solid, pyrophoric, water-reactive	4.2	UN3393	I	4.2, 4.3	B11, T21, TP7, TP33, TP36, TP47	None	187	244	Forbidden	Forbidden	D	13, 52, 148
G	Organometallic substance, solid, self-heating	4.2	UN3400	II	4.2	IB6, T3, TP33, TP36	None	212	242	15 kg	50 kg	C	
G	Organometallic substance, solid, water-reactive	4.3	UN3395	III	4.2, 4.3	IB8, T1, TP33, TP36, N40, T9, TP7, TP33, TP36, TP47	None	213	242	25 kg	100 kg	C	13, 40, 52, 148
				I	4.3	N40, T9, TP7, TP33, TP36, TP47	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
				II	4.3	IB4, T3, TP33, TP36, TP47	151	212	242	15 kg	50 kg	E	13, 40, 52, 148
				III	4.3	IB6, T1, TP33, TP36, TP47	151	213	241	25 kg	100 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive, flammable	4.3	UN3396	I	4.3, 4.1, 4.3, 4.1	N40, T9, TP7, TP33, TP36, TP47	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
				II	4.3, 4.1	IB4, T3, TP33, TP36, TP47	151	212	242	15 kg	50 kg	E	13, 40, 52, 148

G	Organometallic substance, solid, water-reactive, self-heating	4.3	UN3397	III	4.3, 4.1	IB6, T1, TP33, TP36, TP47	151	213	241	25 kg	100 kg	E	13, 40, 52, 148		
				I	4.3, 4.2	N40, T9, TP7, TP33, TP36, TP47	None	211	242	Forbidden	15 kg	15 kg	E	13, 40, 52, 148	
				II	4.3, 4.2	IB4, T3, TP33, TP36, TP47	None	212	242	15 kg	50 kg	E	13, 40, 52, 148		
				III	4.3, 4.2	IB6, T1, TP33, TP36, TP47	None	213	241	25 kg	100 kg	E	13, 40, 52, 148		
				I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	60 L	B	40
				I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	30 L	B	40
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	60 L	B	40
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	220 L	A	40
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	50 kg	A	40
G	Organophosphorus compound, liquid, toxic, n.o.s.	6.1	UN3279	I	6.1, 3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40		
				II	6.1, 3	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	200 kg	A	40	
				I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	30 L	B	40
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	60 L	B	40
				I	6.1	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	30 L	B	40
				II	6.1	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	60 L	B	40
				III	6.1	IB3, N76, T7, TP2, TP28	153	203	241	60 L	220 L	A	220 L	A	40
				I	6.1, 3	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	30 L	B	40
				II	6.1, 3	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	60 L	B	40
				III	6.1, 3	B1, IB3, N76, T7, TP2, TP28	153	203	242	60 L	220 L	A	220 L	A	40
G	Organophosphorus pesticides, liquid, toxic, n.o.s.	6.1	UN2783	I	6.1	IB7, IP1, N77, T6, TP33	None	211	242	5 kg	50 kg	A	40		
				II	6.1	IB8, IP2, IP4, N77, T3, TP33	153	212	25 kg	100 kg	A	100 kg	A	40	
				III	6.1	IB8, IP3, N77, T1, TP33	153	213	100 kg	200 kg	A	200 kg	A	40	
				I	6.1	A3, N33, N34, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	30 L	B	40
				II	6.1	A3, IB2, N33, N34, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	60 L	A	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	220 L	A	40
				I	6.1	A5, IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	50 kg	B	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	200 kg	A	40
				G	Organotin compounds, solid, n.o.s.	6.1	UN3146	I	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
II	6.1	A5, IB7, IP1, T6, TP33	None					211	242	5 kg	50 kg	B	50 kg	B	40
III	6.1	IB8, IP2, IP4, T3, TP33	153					212	242	25 kg	100 kg	A	100 kg	A	40
I	6.1	IB8, IP3, T1, TP33	153					213	240	100 kg	200 kg	A	200 kg	A	40
II	6.1	IB2, N76, T11, TP2, TP13, TP27	153					202	243	5 L	60 L	A	60 L	A	40
III	6.1	IB3, T7, TP2, TP28	153					203	241	60 L	220 L	A	220 L	A	40
I	6.1	A5, IB7, IP1, T6, TP33	None					211	242	5 kg	50 kg	B	50 kg	B	40
II	6.1	IB8, IP2, IP4, T3, TP33	153					212	242	25 kg	100 kg	A	100 kg	A	40
III	6.1	IB8, IP3, T1, TP33	153					213	240	100 kg	200 kg	A	200 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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Organotin pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C	3	UN2787	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Organotin pesticides, liquid, toxic	6.1	UN3020	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Organotin pesticides, liquid, toxic	6.1	UN3019	II	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3019	III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Organotin pesticides, solid, toxic	6.1	UN2786	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Ortho-nitroaniline, see Nitroanilines etc			II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Osmium tetroxide	6.1	UN2471	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	Other regulated substances, liquid, n.o.s.	9	NA3082	II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Other regulated substances, solid, n.o.s.	9	NA3077	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Oxidizing liquid, corrosive, n.o.s.	5.1	UN3098	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
D G		6.1	UN2471	I	5.1, 8	A8, IB7, IP1, N33, N34, T6, TP33	None	211	242	5 kg	50 kg	B	40
D G		9	NA3082	III	9	A189, IB3, T2, TP1	155	203	241	No limit	No limit	A	
D G		9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A	
G		5.1	UN3098	I	5.1, 8	62, A6	None	201	244	Forbidden	2.5 L	D	13, 56, 58, 138
				II	5.1, 8	62, IB1	None	202	243	1 L	5 L	B	13, 56, 58, 138
				III	5.1, 8	62, IB2	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, A6	None	201	243	Forbidden	2.5 L	D	56, 58, 138
				II	5.1	62, 127, A2, IB2	152	202	242	1 L	5 L	B	56, 58, 138
				III	5.1	62, 127, A2, IB2	152	203	241	2.5 L	30 L	B	56, 58, 138

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G	Oxidizing liquid, toxic, n.o.s.	5.1	UN3099	I	5.1, 6.1	62, A6	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	None	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, F56, 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, 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	

§ 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
(1)	Oxygen, refrigerated liquid (<i>cryogenic liquid</i>) Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	2.2	UN1073		2.2, 5.1	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
		3	UN1263	I	3	367, T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
(1)	Paint or Paint related material	II		II	3	149, 367, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
		III		III	3	367, B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
(1)	Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base)	II	UN3066	II	8	367, B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40
		III		III	8	367, B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40
(1)	Paint, flammable, corrosive, (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	II	UN3470	II	8, 3	367, IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40
		III		III	3, 8	367, T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40
(1)	Paint related material including paint thinning, drying, removing, or reducing compound	II		II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40
		III		III	3, 8	367, IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40
(1)	Paint related material including paint thinning, drying, removing, or reducing compound	I	UN1263	I	3	367, T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
		II		II	3	149, 367, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
(1)	Paint related material corrosive, flammable (including paint thinning or reducing compound)	III		III	3	367, B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
		II	UN3470	II	8, 3	367, IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40

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
Paper, unsaturated oil treated in-completely dried (including carbon paper)	4.2	UN1379	III	3, 8	367, IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40
Paraformaldehyde	4.1	UN2213	III	4.2	367, IB3, T4, TP1, TP29	None	203	242	5 L	60 L	A	40
Paraldehyde	3	UN1264	III	4.1	IB8, IP3	None	213	241	Forbidden	Forbidden	A	
Paranitroaniline, solid, see Nitroanilines etc	2.3	NA1967	III	3	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
Parathion and compressed gas mixture	3	UN1264	III	2.3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Paris green, solid, see Copper acetoarsenite	4.2	UN1380	I	4.2, 6.1	3	None	334	245	Forbidden	Forbidden	E	40
PCB, see Polychlorinated biphenyls	6.1	UN1669	II	6.1	1	None	205	245	Forbidden	Forbidden	D	13, 148
Pentaborane	6.1	UN3155	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Pentachloroethane	4.1	UN3344	II	4.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Pentachlorophenol					118, N85	None	214	None	Forbidden	Forbidden	E	
Pentaerythrite tetranitrate (dry)	1.1D	UN0411	II	1.1D	120	None	62	None	Forbidden	Forbidden	04	25
Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaeerythritol 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	1.1D	UN0150	II	1.1D	121	None	62	None	Forbidden	Forbidden	04	25
Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass												
Pentaerythrite tetranitrate, wetted or 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	2.2	UN3220	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Pentatluoroethane or Refrigerant gas R 125												
Pentamethylheptane												

§ 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)
	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	3	T11, TP2	150	201	243	1 L	30 L	E	
	<i>Pentanitroaniline (dry)</i>	Forbidden		II 3	3	IB2, IP8, T4, TP1	150	202	242	5 L	60 L	E	
	Pentanols	3	UN1105	II 3	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	1-Pentene (<i>n</i> -amylene)	3	UN1108	III 3	3	B1, B3, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1-Pentol	3	UN1108	I 3	3	T11, TP2	150	201	243	1 L	30 L	E	
	Pentolite, dry or wetted with less than 15 percent water, by mass	8	UN2705	II 8	8	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	1.1D	UN0151	II 1.1D	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	II 5.1	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	5.1	IB2, T4, TP1	152	202	241	2.5 L	30 L	B	56, 58, 69, 133
	<i>Perchloric acid, with more than 72 percent acid by mass</i>	Forbidden		II 5.1	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	<i>Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass</i>	Forbidden		III 5.1	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	<i>Perchloric acid with not more than 50 percent acid by mass</i>	5.1	UN1873	I 5.1, 8	5.1, 8	A2, A3, N41, T10, TP1	None	201	243	Forbidden	2.5 L	D	66
	<i>Perchloroethylene, see Tetrachloroethylene</i>	8	UN1802	II 8, 5.1	8, 5.1	IB2, N41, T7, TP2	None	202	243	Forbidden	30 L	C	66
	Perchloromethyl mercaptan	6.1	UN1670	I 6.1	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Perchloryl fluoride	2.3	UN3083	2.3, 5.1	2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	<i>Percussion caps, see Primers, cap type</i>												
	<i>Perfluor-2-butene, see Octafluorbut-2-ene</i>												

Perfluoro(ethyl vinyl ether)	2.1	UN3154	2.1	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfluoro(methyl vinyl ether)	2.1	UN3153	2.1	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfumery products with flammable solvents	3	UN1266	II	150	202	242	15 L	60 L	B	
G Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	III	150	203	242	60 L	220 L	A	56, 58, 133, 138
			II	152	202	242	1 L	5 L	D	56, 58, 133, 138
G Permanganates, inorganic, n.o.s.	5.1	UN1482	II	152	212	242	5 kg	25 kg	D	56, 58, 133, 138
			III	152	213	240	25 kg	100 kg	D	56, 58, 133, 138
Permeation devices for calibrating air quality monitoring equipment See § 173.175										
Peróxides, inorganic, n.o.s.	5.1	UN1483	II	None	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide	5.1	UN3216	III	152	203	241	2.5 L	30 L	A	56, 58, 133
			III	152	213	240	25 kg	100 kg	C	13, 52, 66, 75, 148
Persulfates, inorganic, aqueous solution, n.o.s.	5.1	UN3215	III	152	213	240	25 kg	100 kg	A	56, 58
G Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN3021	I	None	201	243	Forbidden	30 L	B	40
			II	150	202	243	1 L	60 L	B	40
G Pesticides, liquid, toxic, flammable, n.o.s. flash point not less than 23 degrees C	6.1	UN2903	I	None	201	243	1 L	30 L	B	40
			II	153	202	243	5 L	60 L	B	40
G Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	III	153	203	242	60 L	220 L	A	40
			I	None	201	243	1 L	30 L	B	40
			II	153	202	243	5 L	60 L	B	40
			III	153	203	241	60 L	220 L	A	40
G Pesticides, solid, toxic, n.o.s.	6.1	UN2588	I	None	211	242	5 kg	50 kg	A	40
			II	153	212	242	25 kg	100 kg	A	40
			III	153	213	240	100 kg	200 kg	A	40
PETN, see tetranitrate										
PETN/TNT, see Pentolite, 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)
	Petrol, see Gasoline Petroleum crude oil	3	UN1267	I II	3	144, 357, T11, TP1, TP8 144, 357, IB2, T4, TP1, TP8	150 150	201 202	243 242	1 L 5 L	30 L 60 L	E B	
	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	3	UN1268	III	3	144, 357, B1, IB3, T2, TP1 144, T11, TP1, TP8	150 150	203 201	242 243	60 L 1 L	220 L 30 L	A E	
D	Petroleum gases, liquefied or Liquefied petroleum gas Petroleum oil	2.1 3	UN1075 NA1270	I II	2.1 3	144, T11, TP1 144, IB2, T7, TP1, TP8, TP28 144, B1, IB3, T4, TP1, TP29	None 150	304 201 202	314, 315 242	Forbidden 1 L 5 L	150 kg 30 L 60 L	E E B	40
I	Petroleum sour crude oil, flammable, toxic Phenacyl bromide Phenetidines Phenol, molten Phenol, solid	3	UN3494	I	3, 6.1	343, T14, TP2, TP13 IB8, IP2, IP4, T3, TP33 IB3, T4, TP1 B14, T7, TP3 IB8, IP2, IP4, N78, T3, TP33	None	201	243	Forbidden 30 L	30 L	D	40
+	Phenol solutions Phenolsulfonic acid, liquid Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic <i>flash point less than 23 degrees</i> C	6.1 8 3	UN2821 UN1803 UN3346	II III I	6.1 6.1 3, 6.1	IB2, T7, TP2 IB3, T4, TP1 B2, IB2, N41, T7, TP2 T14, TP2, TP13, TP27	153 153 154	202 203 202	243 241 242	5 L 60 L 1 L	60 L 220 L 30 L	A A C	14 40
	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	I II	6.1 6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	None 153	201 202	243 243	1 L 5 L	60 L 60 L	B B	40 40

Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3347	III	6.1, 3	IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	153 None	203 201	241 243	60 L 1 L	220 L 30 L	A B	40 40
	Phenoxyacetic acid derivative pesticide, solid, toxic	6.1	UN3345	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Phenyl chloroformate		6.1	UN2746	II	6.1, 8	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
	Phenyl isocyanate	6.1	UN2487	I	6.1, 3	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 25, 40
Phenyl mercaptan		6.1	UN2337	I	6.1, 3	2, B9, B14, B32, B77, N33, N34, T20, TP2, TP13, TP38, TP45 2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None None	227 227	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
Phenyl phosphorus thiodichloride		8	UN2799	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
	Phenyl urea pesticides, liquid, toxic	6.1	UN3002	I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	40
Phenylacetone nitrile, liquid		6.1	UN2470	III	6.1	T7, TP2	None	202	243	5 L	60 L	B	40
	Phenylacetyl chloride	8	UN2577	III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
Phenylcarbamylamine chloride		6.1	UN1672	II	8	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	<i>m</i> -Phenylene diaminediperchlorate (dry)	Forbidden		I	6.1	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40
Phenylenediamines (o-; m-; p-)		6.1	UN1673	III	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Phenyldiazine	6.1	UN2572	II	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Phenylmercuric acetate		6.1	UN1674	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Phenylmercuric compounds, n.o.s.	6.1	UN2026	I	6.1	IB8, IP2, IP4, T3, TP33	None	212	242	25 kg	100 kg	A	40
Phenylmercuric hydroxide		6.1	UN1894	III	6.1	IB7, IP1, T6, TP33	153	211	242	5 kg	50 kg	A	40
	Phenylmercuric nitrate	6.1	UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	240	25 kg	100 kg	A	40
Phenyltrichlorosilane		8	UN1804	II	8	IB8, IP3, T1, TP33	153	213	242	100 kg	200 kg	A	40
	Phosgene	2.3	UN1076	.....	2.3, 8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
9-Phosphabicyclononanes		4.2	UN2940	II	4.2	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
	Phosphine	2.3	UN2199	II	2.3	A19, IB6, IP2, T3, TP33	None	192	241	15 kg	50 kg	A	40
Phosphine, adsorbed		2.3	UN3525	.....	2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Phosphoric acid solution	8	UN1805	III	8	1	None	302c	None	Forbidden	Forbidden	D	40
Phosphoric acid, solid		8	UN3453	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A
				III	8	IB8, IP3, T1, TP33	154	213	240	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)	Loca-tion (10A)	Other (10B)
	Phosphoric acid triethylenimine, see Tris-(1-aziridinyl)phosphine oxide, solution Phosphoric anhydride, see Phosphorus pentoxide Phosphorus acid Phosphorus, amorphous	8 4.1	UN2834 UN1338	III III	8 4.1	IB8, IP3, T1, TP33 A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	154 None	213 213	240 243	25 kg 25 kg	100 kg 100 kg	A A	25 74
	Phosphorus bromide, see Phosphorus tribromide Phosphorus chloride, see Phosphorus trichloride Phosphorus heptasulfide, free from yellow or white phosphorus	4.1	UN1339	II	4.1	A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	B	13, 74, 147, 148
	Phosphorus oxybromide	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	None	212	240	Forbidden	50 kg	C	12, 25, 40
	Phosphorus oxybromide, molten	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbidden	Forbidden	C	40
	Phosphorus oxychloride	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
	Phosphorus pentabromide	8	UN2691	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	Forbidden	50 kg	B	12, 25, 40, 53, 55
	Phosphorus pentachloride	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbidden	50 kg	C	40, 44, 89, 100, 141
	Phosphorus Pentafluoride	2.3	UN2198		2.3, 8	2, B9, B14	None	302, 304	314, 315	Forbidden	Forbidden	D	40
	Phosphorus pentafluoride, adsorbed	2.3	UN3524	.....	2.3, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
	Phosphorus pentasulfide, free from yellow or white phosphorus	4.3	UN1340	II	4.3, 4.1	A20, B59, IB4, T3, TP33	151	212	242	15 kg	50 kg	B	13, 74, 148
	Phosphorus pentoxide	8	UN1807	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	74
	Phosphorus sesquisulfide, free from yellow or white phosphorus	4.1	UN1341	II	4.1	A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	B	74

Phosphorus tribromide	8	UN1808	II	8	A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2	None	202	242	Forbidden	30 L	C	40
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
Phosphorus trioxide	8	UN2578	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25
Phosphorus trisulfide, free from yellow or white phosphorus	4.1	UN1343	II	4.1	A20, IB4, N34, T3, TP33	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	None	188	243	Forbidden	Forbidden	E	
Phosphorus (white or red) and a chlorate, mixtures of Phosphoryl chloride, see Phosphorus oxychloride	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None	188	243	Forbidden	Forbidden	D	
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	
Piccolines	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, TP1	150	203	242	60 L	220 L	A	
alpha-Phene	3	UN2368	III	3	B1, IB3, T2, TP1	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	
Poisonous 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.												

§ 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)
	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.												
	Polychlorinated biphenyls, liquid	9	UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95
	Polychlorinated biphenyls, solid	9	UN3432	II	9	9, 81, 140, IB8, IP2, IP4, T3, TP33	155	212	240	100 kg	200 kg	A	95
	Polyester resin kit	3	UN3269	III	3	40, 149	165	165	None	5 kg	5 kg	B	95
	Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls liquid	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95
	Polyhalogenated biphenyls, solid or Polyhalogenated terphenyls, solid	9	UN3152	II	9	IB8, IP2, IP4, T3, TP33	155	204	241	100 kg	200 kg	A	95
	Polymeric beads expandable, evolving flammable vapor	9	UN2211	III	9	32, IB8, IP3, IP7, T1, TP33	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
	Potassium	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7, TP33	None	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 arsenite	6.1	UN1678	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Potassium disulfite solution, see Bisulfites, aqueous solutions, n.o.s.												
	Potassium borohydride	4.3	UN1870	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Potassium bromate	5.1	UN1484	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium carbonyl	Forbidden											
	Potassium chlorate	5.1	UN1485	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium chlorate, aqueous solution	5.1	UN2427	II	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133
	Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C												
	Potassium cuprocyanide	6.1	UN1679	II	6.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
						IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52

Potassium cyanide, solid	6.1	UN1680	I	6.1	B69, B77, IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	B	52
Potassium cyanide solution	6.1	UN3413	I	6.1	B69, B77, N74, N75, T14, TP2, TP13	None	201	243	1 L	30 L	B	52
			II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	52
			III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	52
<i>Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, see triazine-trione</i>												
Dichloroisocyanuric acid, dry or Potassium dithionite or Potassium hydrosulfite	4.2	UN1929	II	4.2	A8, A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
Potassium fluoride, solid	6.1	UN1812	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Potassium fluoride solution	6.1	UN3422	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
Potassium fluoroacetate	6.1	UN2628	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
Potassium fluorsilicate	6.1	UN2655	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
<i>Potassium hydrate, see Potassium hydroxide, solid</i>												
<i>Potassium hydrogen fluoride, see Potassium hydrogen difluoride</i>												
<i>Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.</i>												
Potassium hydrogen sulfate	8	UN2509	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
Potassium hydrogendifluoride solid	8	UN1811	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
Potassium hydrogendifluoride solution	8	UN3421	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	1 L	30 L	A	25, 40, 52
			III	8, 6.1	IB3, N3, N34, T4, TP1	154	203	241	5 L	60 L	A	40, 52
Potassium hydrosulfite, see Potassium dithionite												
<i>Potassium hydroxide, liquid, see Potassium hydroxide solution</i>												
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
			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
<i>Potassium hypochlorite, solution, see Hypochlorite solutions, etc</i>												
Potassium, metal alloys, liquid	4.3	UN1420	I	4.3	A7, A19, A20, B27	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	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	242
Potassium monoxide	8	UN2033	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52

§ 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)
	Potassium nitrate	5.1	UN1486	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
	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	58, 145
	Potassium phosphide	4.3	UN2012	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
	<i>Potassium selenate, see Selenates or Selenites</i>												
	<i>Potassium selenite, see Selenates or Selenites</i>												
	Potassium sodium alloys, liquid	4.3	UN1422	I	4.3	A7, A19, B27, N34, N40, T9, TP3, TP7, TP31	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	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	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	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	E	13, 52, 66, 75, 148
	Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass	1.1C	UN0433	II	1.1C	.....	None	62	None	Forbidden	Forbidden	4	25

UN number	Proper shipping name	Class	Division	Subdivision	TP	Quantity	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
1.3C UN0159	Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass	II	1.3C			None	Forbidden	Forbidden	Forbidden	4	25
1.1C UN0160	Powder paste, see Powder cake, etc	II	1.1C			None	Forbidden	Forbidden	Forbidden	4	25, 26E
1.3C UN0161	Powder, smokeless	II	1.3C			None	Forbidden	Forbidden	Forbidden	4	25, 26E
1.4C UN0509	Powder, smokeless	II	1.4C	16		171	Forbidden	75 kg	02	02	25
1.4S UN0044	Primers, cap type	II	None			None	Forbidden	25 kg	01	01	25
1.1B UN0377	Primers, cap type	II	1.1B			None	Forbidden	Forbidden	05	05	25
1.4B UN0378	Primers, cap type	II	1.4B			None	Forbidden	75 kg	05	05	25
	Primers, small arms, see Primers, cap type										
1.3G UN0319	Primers, tubular	II	1.3G			None	Forbidden	Forbidden	03	03	25
1.4G UN0320	Primers, tubular	II	1.4G			None	Forbidden	75 kg	02	02	25
1.4S UN0376	Primers, tubular	II	None			None	Forbidden	100 kg	01	01	25
3 UN1210	Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	I	3	367, T11, TP1, TP8	150	173	Forbidden	1 L	E	E	25
	Projectiles, illuminating, see Ammunition, illuminating, etc										
	Projectiles, inert with tracer	II	3	149, 367, IB2, T4, TP1, TP8	150	173	60 L	60 L	B	B	25
	Projectiles, inert, with tracer	III	3	367, B1, IB3, T2, TP1	150	173	220 L	220 L	A	A	25
1.4S UN0345	Projectiles, inert with tracer	II	1.4S			62	25 kg	100 kg	01	01	25
1.3G UN0424	Projectiles, inert, with tracer	II	1.3G			62	Forbidden	Forbidden	03	03	25
1.4G UN0425	Projectiles, inert, with tracer	II	1.4G			62	Forbidden	75 kg	02	02	25
1.2D UN0346	Projectiles, with burster or expelling charge	II	1.2D			62	Forbidden	Forbidden	04	04	25
1.4D UN0347	Projectiles, with burster or expelling charge	II	1.4D			62	Forbidden	75 kg	02	02	25
1.2F UN0426	Projectiles, with burster or expelling charge	II	1.2F			62	Forbidden	Forbidden	05	05	25
1.4F UN0427	Projectiles, with burster or expelling charge	II	1.4F			62	Forbidden	Forbidden	05	05	25
1.2G UN0434	Projectiles, with burster or expelling charge	II	1.2G			62	Forbidden	Forbidden	03	03	25
1.4G UN0435	Projectiles, with burster or expelling charge	II	1.4G			62	Forbidden	75 kg	02	02	25
1.1F UN0167	Projectiles, with bursting charge	II	1.1F			62	Forbidden	Forbidden	05	05	25
1.1D UN0168	Projectiles, with bursting charge	II	1.1D			62	Forbidden	Forbidden	04	04	25
1.2D UN0169	Projectiles, with bursting charge	II	1.2D			62	Forbidden	Forbidden	04	04	25
1.2F UN0324	Projectiles, with bursting charge	II	1.2F			62	Forbidden	Forbidden	05	05	25
1.4D UN0344	Projectiles, with bursting charge	II	1.4D			62	Forbidden	75 kg	02	02	25
2.1 UN2200	Propadiene, stabilized		2.1		None	304	Forbidden	150 kg	B	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)
	<i>Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized</i>												
	Propane <i>see also</i> Petroleum gases, liquefied	2.1	UN1978	II	2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
	Propanethiols	3	UN2402	II	3	A6, 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	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	25
	Propellant, liquid	1.1C	UN0497	II	1.1C	37	None	62	None	Forbidden	Forbidden	04	25
	Propellant, solid	1.1C	UN0498	II	1.1C	37	None	62	None	Forbidden	Forbidden	04	25, 26E
	Propellant, solid	1.3C	UN0499	II	1.3C		None	62	None	Forbidden	Forbidden	04	25, 26E
	Propellant, solid	1.4C	UN0501	II	1.4C		None	62	None	Forbidden	Forbidden	02	25, 24E
	Propionaldehyde	3	UN1275	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
	Propionic acid <i>with not less than 90% acid by mass</i>	8	UN3463	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	
	Propionic acid <i>with not less than 10% and less than 90% acid by mass</i>	8	UN1848	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Propionic anhydride	8	UN2496	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	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
	n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Propyl alcohol, <i>see</i> Propanol												
	n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 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 <i>see</i> 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	

§ 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)	Quicklime, see Calcium oxide Quinoline R 12, see Dichlorodifluoromethane R 12B1, see R Chlorodifluorobromomethane R 13, see Chlorotrifluoromethane R 13B1, see Bromotrifluoromethane R 14, see Tetrafluoromethane R 21, see Dichlorodifluoromethane R 22, see Chlorodifluoromethane R 114, see R Dichlorotetrafluoroethane R 115, see R Chloropentafluoroethane R 116, see Hexafluoroethane R 124, see Chlorotetrafluoroethane R 133a, see Chlorotrifluoroethane R 152a, see Difluoroethane R 500, see Dichlorodifluoromethane and difluoroethane, etc R 502, see Chlorodifluoromethane and chloropentafluoroethane mixture, etc R 503, see Chlorotrifluoromethane and trifluoromethane, etc Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium Radioactive material, excepted package-empty packaging Radioactive material, excepted package-instruments or articles Radioactive material, excepted package-limited quantity of material	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25
		7	UN2909		None		422, 426	422, 426	422, 426			A	
		7	UN2908		Empty		422, 428	422, 428	422, 428			A	
		7	UN2911		None		422, 424	422, 424	422, 424			A	
		7	UN2910	.....	None	368	421, 422	421, 422	421, 422	.....	.....	A	

Radioactive material, low specific activity (LSA-I) <i>non fissile or fissile-excepted</i>	7	UN2912	7	A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 129
Radioactive material, low specific activity (LSA-II) <i>non fissile or fissile-excepted</i>	7	UN3321	7	A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 129
Radioactive material, low specific activity (LSA-III) <i>non fissile or fissile excepted</i>	7	UN3322	7	A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 129
Radioactive material, surface contaminated objects (SCO-I) or SCO-II) <i>non fissile or fissile-excepted</i>	7	UN2913	7	A56	421, 422, 428	427	427	A	95
Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted</i>	7	UN2919	7	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 <i>non-special form</i>	7	UN3327	7	A56, W7, W8	453	417	417	A	95, 105, 131
Radioactive material, Type A package, <i>non-special form, non fissile or fissile-excepted</i>	7	UN2915	7	A56, W7, W8	None	415, 418, 419	415, 418, 419	A	95, 130
Radioactive material, Type A package, special form <i>non fissile or fissile-excepted</i>	7	UN3332	7	A56, W7, W8		415, 476	415, 476	A	95
Radioactive material, Type A package, special form, fissile	7	UN3333	7	A56, W7, W8	453	417, 476	417, 476	A	95, 105
Radioactive material, Type B(M) package, fissile	7	UN3329	7	A56	453	417	417	A	95, 105
Radioactive material, Type B(M) package <i>non fissile or fissile-excepted</i>	7	UN2917	7	A56		416	416	A	95, 105
Radioactive material, Type B(U) package, fissile	7	UN3328	7	A56	453	417	417	A	95, 105
Radioactive material, Type B(U) package <i>non fissile or fissile-excepted</i>	7	UN2916	7	A56		416	416	A	95, 105
Radioactive material, uranium hexafluoride <i>non fissile or fissile-excepted</i>	7	UN2978	7, 8		423	420, 427	420, 427	A	95, 132
Radioactive material, uranium hexafluoride, fissile	7	UN2977	7, 8		453	417, 420	417, 420	A	95, 132
Rags, oily	4.2	UN1856	III		151	213	240	A	
Railway torpedo, <i>see</i> Signals, railway track, explosive									
RC 318, <i>see</i> Octafluorocyclobutane									

§ 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)	RDX and cyclotetramethylenetrinitramine, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized	1.1D	UN0391	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	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 Cyclotrimethylene trinitramine, etc												
	Receptacles, small, containing gas or gas cartridges (flammable) without release device, not refillable and not exceeding 1 L capacity	2.1	UN2037		2.1		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		2.2		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		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		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407A	2.2	UN3338		2.2	T50	306	304	314, 315	75 kg	150 kg	A	

G	Refrigerant gas R 407B	2.2	UN3339	2.2	T50	306	304	314, 315	75 kg	150 kg	A	25
	Refrigerant gas R 407C	2.2	UN3340	2.2	T50	306	304	314, 315	75 kg	150 kg	A	25
	Refrigerant gases, n.o.s.	2.2	UN1078	2.2	T50	306	304	314, 315	75 kg	150 kg	A	25
D	Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954	2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
	Refrigerating machines, containing flammable, non-toxic, liquefied gas	2.1	UN3358	2.1	306, 307	306, 307	306	306	Forbidden	Forbidden	D	40
	Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672)	2.2	UN2857	2.2	A53	306, 307	306	306, 307	450 kg	450 kg	A	40
	Regulated medical waste, n.o.s. or Clinical waste, unspecified, 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	6.2	41, A13, 337	134	197	197	No limit	No limit	B	40
	Release devices, explosive	1.4S	UN0173	1.4S	.....	None	62	62	25 kg	100 kg	01	25
	Resin solution, flammable	3	UN1866	3	B52, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
	Resorcinol	II		II	.....		62	242	5 L	60 L	B	
	Rifle grenade, see Grenades, hand or rifle, etc	III		III	149, B52, IB2, T4, TP1, TP8	150	173	242	60 L	220 L	A	
	Rifle powder, see Powder, smokeless (UN 0160)	III		III	B1, B52, IB3, T2, TP1	150	173	242	100 kg	200 kg	A	
	Rivets, explosive	6.1	UN2876	6.1	IB8, IP3, T1, TP33	153	213	240			A	
	Road asphalt or tar liquid, see Tars, liquid, etc	II		II	.....	None	62	62	25 kg	100 kg	01	25
	Rocket motors	1.3C	UN0186	1.3C	109	None	62	62	Forbidden	220 kg	04	25
	Rocket motors	1.1C	UN0280	1.1C	109	None	62	62	Forbidden	Forbidden	04	25
	Rocket motors	1.2C	UN0281	1.2C	109	None	62	62	Forbidden	Forbidden	04	25
	Rocket motors, liquid fueled	1.2J	UN0395	1.2J	109	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rocket motors, liquid fueled	1.3J	UN0396	1.3J	109	None	62	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	Forbidden	Forbidden	05	25, 14E, 15E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.2L	UN0322	1.2L	109	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
	Rockets, line-throwing	1.2G	UN0238	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Rockets, line-throwing	1.3G	UN0240	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Rockets, line-throwing	1.4G	UN0453	1.4G	.....	None	62	None	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		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
(1)	Rockets, liquid fueled with bursting charge	1.1J	UN0397	II	1.1J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rockets, liquid fueled with bursting charge	1.2J	UN0398	II	1.2J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rockets, with bursting charge	1.1F	UN0180	II	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25
	Rockets, with bursting charge	1.1E	UN0181	II	1.1E	.....	None	62	62	Forbidden	Forbidden	04	25
	Rockets, with bursting charge	1.2E	UN0182	II	1.2E	.....	None	62	62	Forbidden	Forbidden	04	25
	Rockets, with bursting charge	1.2F	UN0295	II	1.2F	.....	None	62	None	Forbidden	Forbidden	05	25
	Rockets, with expelling charge	1.2C	UN0436	II	1.2C	.....	None	62	62	Forbidden	Forbidden	04	25
	Rockets, with expelling charge	1.3C	UN0437	II	1.3C	.....	None	62	62	Forbidden	Forbidden	04	25
	Rockets, with expelling charge	1.4C	UN0438	II	1.4C	.....	None	62	62	Forbidden	75 kg	02	25
	Rockets, with inert head	1.3C	UN0183	II	1.3C	.....	None	62	62	Forbidden	Forbidden	04	25
	Rockets, with inert head	1.2C	UN0502	.....	1.2C	.....	None	62	62	Forbidden	Forbidden	02	25, 5E
	Rosin oil	3	UN1286	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Rubber solution	3	UN1287	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1	UN1345	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B		
	Rubidium	4.3	UN1423	I	4.3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Rubidium hydroxide	8	UN2678	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	Forbidden	15 kg	D	13, 52, 148		
Rubidium hydroxide solution	8	UN2677	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	29, 52.		
Safety devices, electrically initiated	9	UN3268	.....	9	IB3, T4, TP1	154	203	241	5 L	60 L	A	29, 52.	
Safety devices, pyrotechnic	1.4G	UN0503	.....	1.4G	160, A200	166	166	166	25 kg	100 kg	A	25	
Safety fuse, see Fuse, safety	.....	UN0190	II	.....	A200	62	62	None	Forbidden	75 kg	02	25	
Samples, explosive, other than initiating explosives	.....	.....	.....	.....	113	None	62	None	Forbidden	Forbidden	05	25	
Sand acid, see Fluorosilicic acid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

	4.2	UN1386	III	None	IB8, IP3, IP7, N7	213	241	Forbidden	Forbidden	A	13, 25
I	4.2	UN1386	III	None	IB8, IP3, IP7, N7	213	241	Forbidden	Forbidden	E	13, 25
I	4.2	UN2217	III	None	IB8, IP3, IP7, N7	213	241	Forbidden	Forbidden	A	13, 25, 120
G	6.1	UN2630	I	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	E	
G	6.1	UN1905	I	8	IB7, IP1, N34, T6, TP33	211	242	Forbidden	25 kg	A	
G	6.1	UN3440	II	6.1	T14, TP2, TP27	201	243	1 L	30 L	B	
G	6.1	UN3283	III	6.1	IB2, T11, TP2, TP27	202	243	5 L	60 L	B	
G	6.1	UN2657	III	6.1	IB3, T7, TP1, TP28	203	241	60 L	220 L	A	
G	6.1	UN2194	III	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	B	
G	2.3	UN2194	III	6.1	IB8, IP2, T3, TP33	212	242	25 kg	100 kg	B	
G	Forbidden	UN2879	II	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	
G	8	UN2879	I	2.3, 8	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	
G					1	302	None	Forbidden	Forbidden	D	40
G					A3, A6, A7, N34, T10, TP2, TP13	201	243	0.5 L	2.5 L	E	40
+ A D	9	NA3334	III	9	A37	155	None	No limit	No limit	A	
G	4.2	UN3188	II	4.2, 8	IB2	None	243	1 L	5 L	C	
G	4.2	UN3185	III	4.2, 8	IB2	None	241	5 L	60 L	C	
G	4.2	UN3186	III	4.2, 8	IB2	None	243	1 L	5 L	C	
G	4.2	UN3183	III	4.2	IB2	None	241	5 L	60 L	C	
G	4.2	UN3187	III	4.2	IB2	None	242	1 L	5 L	C	
G	4.2	UN3187	II	4.2, 6.1	IB2	None	241	1 L	5 L	C	
G	4.2	UN3184	II	4.2, 6.1	IB2	None	241	5 L	60 L	C	
G	4.2	UN3192	II	4.2, 6.1	IB2	None	243	1 L	5 L	C	
G	4.2	UN3192	II	4.2, 8	IB5, IP2, T3, TP33	None	241	5 L	60 L	C	
G	4.2	UN3192	III	4.2, 8	IB8, IP3, T1, TP33	None	242	15 kg	50 kg	C	
G	4.2	UN3192	III	4.2, 8	IB8, IP3, T1, TP33	None	242	25 kg	100 kg	C	

§ 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	Self-heating solid, corrosive, organic, n.o.s.	4.2	UN3126	II	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	III	4.2, 8	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
		4.2	UN3190	II	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	C	
		4.2	UN3088	III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	C	
		4.2	UN3088	II	4.2	IB6, IP2, T3, TP33	None	212	241	15kg	50kg	C	
		4.2	UN3088	III	4.2	IB8, IP3, T1, TP33	None	212	241	15kg	50kg	C	
G	Self-heating solid, oxidizing, n.o.s.	4.2	UN3127		4.2, 5.1	B116	None	214	214	Forbidden	Forbidden		
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2	UN3191	II	4.2, 6.1	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
		4.2	UN3191	III	4.2, 6.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
		4.2	UN3128	II	4.2, 6.1	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
		4.2	UN3128	III	4.2, 6.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-propelled vehicle, see Engines or Batteries etc	4.1	UN3221	II	4.1	53	151	224	None	Forbidden	Forbidden	D	25, 52, 53, 127
G	Self-reactive liquid type B	4.1	UN3231	II	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type B, temperature controlled	4.1	UN3223	II	4.1		151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type C	4.1	UN3233	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type C, temperature controlled	4.1	UN3225	II	4.1		151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type D	4.1	UN3235	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type D, temperature controlled	4.1	UN3227	II	4.1		151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type E	4.1	UN3237	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type E, temperature controlled	4.1	UN3229	II	4.1		151	224	None	10 L	25 L	D	25, 52, 53

G	Self-reactive liquid type F, temperature controlled	4.1	UN3239	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type B	4.1	UN3222	II	4.1	53	151	224	None	(2)	(2)	D	25, 52, 53, 127
G	Self-reactive solid type B, temperature controlled	4.1	UN3232	II	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type C	4.1	UN3224	II	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type C, temperature controlled	4.1	UN3234	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type D	4.1	UN3226	II	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type D, temperature controlled	4.1	UN3236	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type E	4.1	UN3228	II	4.1	.....	151	224	None	10 kg	25 kg	D	2, 25, 52, 53
G	Self-reactive solid type F	4.1	UN3238	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type F, temperature controlled	4.1	UN3240	II	4.1	.....	151	224	None	10 kg	25 kg	D	2, 25, 52, 53
G	Shale oil	3	UN1288	I II III	3 3 3	T11, TP1, TP8, TP27 IB2, T4, TP1, TP8 B1, IB3, T2, TP1	None None 150 150	201 202 203	243 242 242	1 L 30 L 5 L 60 L 220 L	30 L 60 L 220 L	B B A	2, 25, 52, 53
	<i>Shaped charges, see Charges, shaped, etc</i>												
	Signal devices, hand	1.4G	UN0191	II	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Signal devices, hand	1.4S	UN0373	II	1.4S	.....	None	62	None	100 kg	100 kg	01	25
	Signals, distress, ship	1.1G	UN0194	II	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, distress, ship	1.3G	UN0195	II	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
	Signals, highway, see Signal devices, hand												
	Signals, railway track, explosive	1.1G	UN0192	II	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, railway track, explosive	1.4S	UN0193	II	1.4S	.....	None	62	None	100 kg	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 Contingencies, water-activated, etc												
	Signals, smoke	1.1G	UN0196	II	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4G	UN0197	II	1.4G	.....	None	62	None	75 kg	75 kg	02	25
	Signals, smoke	1.2G	UN0313	II	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.3G	UN0487	II	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4S	UN0507	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Silane	2.1	UN2203	.....	2.1	.....	None	302	None	Forbidden	Forbidden	E	40, 57, 104

§ 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>Silicofluoric acid, see Fluorosilicic acid</i>													
	<i>Silicon chloride, see Silicon tetra-chloride</i>													
	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, A6, B2, B6, T10, TP2, TP7, TP13	None	202	242	Forbidden	30 L	C	40	
	Silicon tetrafluoride	2.3	UN1859		2.3, 8		None	302	None	Forbidden	Forbidden	D	40	
	Silicon tetrafluoride, adsorbed	2.3	UN3521	.....	2.3, 8		None	302c	None	Forbidden	Forbidden	D	40
	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 chloride (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	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	
D	Smokeless powder for small arms (100 pounds or less)	4.1	NA3178	I	4.1	16	None	171	None	Forbidden	7.3 kg	A		
	Soda lime with more than 4 percent sodium hydroxide	8	UN1907	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.	
	Sodium	4.3	UN1428	I	4.3	A7, A8, A19, A20, B9, B48, B68, IB4, IP1, N34, T9, TP7, TP33, TP46	None	211	244	Forbidden	15 kg	D	13, 52, 148	
A	Sodium aluminate, solid	8	UN2812	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.	
	Sodium aluminate, solution	8	UN1819	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52.	
	Sodium aluminum hydride	4.3	UN2835	III	4.3	IB3, T4, TP1	154	203	241	5 L	60 L	A	52.	
	Sodium ammonium vanadate	6.1	UN2863	II	6.1	A8, A19, A20, IB4, T3, TP33	151	212	242	Forbidden	50 kg	E	13, 52, 148	
	Sodium arseniate	6.1	UN2473	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Sodium arsenite	6.1	UN1685	II	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Sodium arsenite, aqueous solutions	6.1	UN1686	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
						IB2, T7, TP2	153	202	243	5 L	60 L	A		

Sodium arsenite, solid	6.1	UN2027	III	6.1	IB3, T4, TP2	203	241	60 L	220 L	A	
Sodium azide	6.1	UN1687	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	36, 52, 91
<i>Sodium bifluoride, see Sodium hydrogendifluoride</i>											
<i>Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.</i>											
Sodium borohydride	4.3	UN1426	I	4.3	N40	None	242	Forbidden	15 kg	E	13, 52, 148
Sodium borohydride and sodium hydroxide solution, with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass	8	UN3320	II	8	B2, IB2, N34, T7, TP2	154	242	1 L	30 L	A	52
Sodium bromate	5.1	UN1494	III	8	B2, IB3, N34, T4, TP2	154	241	5 L	60 L	A	52
Sodium cacodylate	6.1	UN1688	II	5.1	IB8, IP2, IP4, T3, TP33	152	242	5 kg	25 kg	A	56, 58
Sodium carbonate peroxyhydrate	5.1	UN3378	II	5.1	IB8, IP2, IP4, T3, TP33	153	242	25 kg	100 kg	A	52
.....							240	5 kg	25 kg	A	13, 25, 75
Sodium chlorate	5.1	UN1495	II	5.1	B120, IB8, IP3, T1, TP33	152	240	25 kg	100 kg	A	13, 25, 75
Sodium chlorate, aqueous solution	5.1	UN2428	II	5.1	A9, IB8, IP2, IP4, N34, TP33	152	240	5 kg	25 kg	A	56, 58
							241	1 L	5 L	B	56, 58, 133
<i>Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C</i>							241	2.5 L	30 L	B	56, 58, 69, 133
Sodium chlorite	5.1	UN1496	II	5.1	A2, IB2, T4, TP1	152	241				
Sodium chloroacetate	6.1	UN2659	III	5.1	A9, IB8, IP2, IP4, N34, TP33	None	242	5 kg	25 kg	A	56, 58
Sodium cuprocyanide, solid	6.1	UN2316	I	6.1	IB8, IP3, T1, TP33	153	240	100 kg	200 kg	A	
Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	IB7, IP1, T6, TP33	None	242	5 kg	50 kg	A	52
Sodium cyanide, solid	6.1	UN1689	I	6.1	T14, TP2, TP13	None	243	1 L	30 L	B	40, 52
							242	5 kg	50 kg	B	52
Sodium cyanide solution	6.1	UN3414	I	6.1	B69, B77, IB7, N74, N75, TP33	None	243	1 L	30 L	B	52
							243	5 L	60 L	B	52
							241	60 L	220 L	A	52

§ 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)
	Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc	1.3C	UN0234	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass	4.1	UN3369	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass	4.1	UN1348	I	4.1, 6.1	23, A8, A19, A20, N41	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	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 fluorosilicate	6.1	UN2674	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium hydrate, see Sodium hydroxide, solid												
	Sodium hydride	4.3	UN1427	I	4.3	A19, N40	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, 52.
	Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2, T3, TP33	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	202	242	1 L	30 L	A	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	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	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
			III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 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 pentachlorophenolate	6.1	UN2567	III	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, 138
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, N40	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	II	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	None	211	None	Forbidden	15 kg	E	28, 36
Sodium perchlorate, anhydrous	Forbidden											
Sodium picryl peroxide	Forbidden											
Sodium potassium alloys, see Potassium sodium alloys												
Sodium selenate, see Selenates or Selenites												
Sodium sulfide, anhydrous or 30 percent water of crystallization	4.2	UN1385	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	A	52
Sodium sulfide, hydrated with not less than 30 percent water	8	UN1849	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
Sodium superoxide	5.1	UN2547	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	D	13, 52, 66, 75, 148
Sodium tetrafluoride	Forbidden											
Solids containing corrosive liquid, n.o.s.	8	UN3244	II	8	49, IB5, T3, TP33	154	212	240	15 kg	50 kg	B	40
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	

§ 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	Solids containing toxic liquid, n.o.s. Sounding devices, explosive Sounding devices, explosive Sounding devices, explosive Sounding devices, explosive Sounding devices, explosive <i>Spirits of salt</i> , see Hydrochloric acid <i>Squibs</i> , 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 II II II 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	B 05 25 04 04	40 25 25 25 25																																																																																			
														8 8 4.3	UN1827 UN2440 UN1433	II III I	8 8 4.3, 6.1	B2, IB2, T7, TP2 IB8, IP3, T1, TP33 A19, N40	154 154 None	202 213 211	242 240 242	1 L 25 kg 100 kg 15 kg	30 L 100 kg 15 kg	C A E	13, 40, 52, 85, 148																																																																							
																										2.3	UN2676	I	2.3, 2.1	1	None	304	Forbidden	Forbidden	D	40																																																												
																																					6.1 5.1 5.1	UN1691 UN1506 UN1507	II II III	6.1 5.1 5.1	IB8, IP2, IP4, T3, TP33 A1, A9, IB8, IP2, IP4, N34, T3, TP33 A1, A29, IB8, IP3, T1, TP33	153 152	212 212	242 242	25 kg 5 kg	100 kg 25 kg	A A	56, 58																																																
																																																	5.1 5.1	UN1508 UN1509	II II	5.1 5.1	IB6, IP2, T3, TP33 IB6, IP2, T3, TP33	152 152	212 212	242 242	5 kg 5 kg	25 kg 25 kg	A C	56, 58 13, 52, 66, 75, 148																																				
																																																													4.3	UN2013	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148																								
																																																																									6.1	UN1692	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40												
																																																																																					3 1.1L	UN2055 UN0357	III II	3 1.1L	B1, IB3, T2, TP1 101	150 None	203 62	242 None	60 L Forbidden	220 L Forbidden	A 05	25, 14E, 15E

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G	Substances, explosive, n.o.s	1.2L	UN0358	II	1.2L	101	None	62	None	Forbiddn	Forbiddn	05	25, 14E, 15E, 25, 14E, 15E
G	Substances, explosive, n.o.s	1.3L	UN0359	II	1.3L	101	None	62	None	Forbiddn	Forbiddn	05	25, 14E, 15E
G	Substances, explosive, n.o.s	1.1A	UN0473	II	1.1A	101, 111	None	62	None	Forbiddn	Forbiddn	05	25
G	Substances, explosive, n.o.s	1.1C	UN0474	II	1.1C	101	None	62	None	Forbiddn	Forbiddn	04	25
G	Substances, explosive, n.o.s	1.1D	UN0475	II	1.1D	101	None	62	None	Forbiddn	Forbiddn	04	25
G	Substances, explosive, n.o.s	1.1G	UN0476	II	1.1G	101	None	62	None	Forbiddn	Forbiddn	03	25
G	Substances, explosive, n.o.s	1.3C	UN0477	II	1.3C	101	None	62	None	Forbiddn	Forbiddn	04	25
G	Substances, explosive, n.o.s	1.3G	UN0478	II	1.3G	101	None	62	None	Forbiddn	Forbiddn	03	25
G	Substances, explosive, n.o.s	1.4C	UN0479	II	1.4C	101	None	62	None	Forbiddn	75 kg	02	25
G	Substances, explosive, n.o.s	1.4D	UN0480	II	1.4D	101	None	62	None	Forbiddn	75 kg	02	25
G	Substances, explosive, n.o.s	1.4S	UN0481	II	1.4S	101	None	62	None	Forbiddn	75 kg	01	25
G	Substances, explosive, n.o.s	1.4G	UN0485	II	1.4G	101	None	62	None	Forbiddn	75 kg	02	25
G	Substances, explosive, very insensitive, n.o.s. or Substances, EVI, n.o.s	1.5D	UN0482	II	1.5D	101	None	62	None	Forbiddn	Forbiddn	03	25
G	Substances, explosive, very insensitive, n.o.s. or Substances, EVI, n.o.s	1.5D	UN0482	II	1.5D	101	None	62	None	Forbiddn	Forbiddn	3	25
G	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	Forbiddn	30 L	B	40
G	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
G	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
G	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
D	Sucrose octanitrate (dry)	8	UN2967	III	6.1	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
I	Sulfamic acid	9	NA1350	III	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
I	Sulfur	4.1	UN1350	III	4.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
I	Sulfur and chlorate, loose mixtures of	Forbiddn	Forbiddn	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
I		Forbiddn	Forbiddn	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	25, 74
I		Forbiddn	Forbiddn	III	9	30, B120, IB8, IP2	None	None	240	No Limit	No Limit	A	25, 74
I		Forbiddn	Forbiddn	III	4.1	30, B120, IB8, IP3, T1, TP33	None	None	240	25 kg	100 kg	A	25, 74

§ 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)
	Sulfur chlorides <i>Sulfur dichloride, see Sulfur chlorides</i> Sulfur dioxide <i>Sulfur dioxide solution, see Sulfurous acid</i> Sulfur hexafluoride	8 2.3 2.2	UN1828 UN1079 UN1080	I	8 2.3, 8 2.2	5, A3, A7, A10, B10, B77, N34, T20, TP2 3, B14, T50, TP19	None None 306	201 304 304	243 314, 315 314, 315, 247	Forbidden Forbidden 75 kg	2.5 L Forbidden 150 kg	C D A	40 40
D	Sulfur, molten	9	NA2448	III	9	30, B13, IB3, R1, T1, TP3	None	213	247	Forbidden	Forbidden	C	61
I	Sulfur, molten	4.1	UN2448	III	4.1	30, B13, IB1, R1, T1, TP3	None	213	247	Forbidden	Forbidden	C	74
+	Sulfur tetrafluoride Sulfur trioxide, stabilized	2.3 8	UN2418 UN1829	I	2.3, 8 8, 6.1	2, B9, B14, B32, B49, B77, N34, T20, TP4, TP13, TP25, TP26, TP38, TP45	None None	302 227	245 244	Forbidden Forbidden	Forbidden Forbidden	D A	40, 52 40
	<i>Sulfuretted hydrogen, see Hydrogen sulfide</i> Sulfuric acid, fuming with less than 30 percent free sulfur trioxide Sulfuric acid, fuming with 30 percent or more free sulfur trioxide Sulfuric acid, spent	8 8 8 8	UN1831 UN1831 UN1832	I I II	8 8, 6.1 8	A3, A7, N34, T20, TP2, TP13 2, B9, B14, B32, B77, B84, N34, T20, TP2, TP12, TP13 A3, A7, B2, B63, B84, IB2, N34, T8, TP2	None None None	201 227 202	243 244 242	Forbidden Forbidden Forbidden	2.5 L Forbidden 30 L	C C C	14, 40 14 14
	Sulfuric acid with more than 51 percent acid Sulfuric acid with not more than 51% acid Sulfuric and hydrofluoric acid mixtures, see Hydrofluoric and sulfuric acid mixtures Sulfuric anhydride, see Sulfur trioxide, stabilized Sulfurous acid	8 8 8 8	UN1830 UN2796 UN1833	II II II	8 8 8	A3, A7, B3, B83, B84, IB2, N34, T8, TP2 A3, A7, B2, B15, IB2, N6, N34, T8, TP2 B3, IB2, T7, TP2	154 154	202 202 202	242 242 242	Forbidden 1 L 1 L	30 L 30 L 30 L	C C B	40 40

+	Sulfonyl chloride	6.1	UN1834	I	6.1, 8	1, B6, B9, B10, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Sulfonyl fluoride	2.3	UN2191	II	2.3	4	None	304	314, 315	Forbidden	Forbidden	D	40
D	Tars, liquid including road oils and cutback bitumens	3	UN1999	III	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	50 kg	D	
	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			II	6.1		None	340	None	Forbidden	Forbidden	D	40
	Tear gas grenades, see Tear gas candles			I	6.1		None	201	None	Forbidden	Forbidden	D	40
	Tear gas substances, liquid, n.o.s.	6.1	UN1693	II	6.1	IB2	None	202	None	Forbidden	5 L	D	40
	Tear gas substance, solid, n.o.s.	6.1	UN3448	I	6.1	T6, TP33	None	211	242	Forbidden	Forbidden	D	40
	Tellurium compound, n.o.s	6.1	UN3284	I	6.1	IB8, IP2, IP4, T3, TP33	None	212	242	Forbidden	25 kg	D	40
	Tellurium hexafluoride	2.3	UN2195	III	6.1	IB7, IP1, T6, TP33	None	211	242	Forbidden	5 kg	B	
Terpene hydrocarbons, n.o.s.	3	UN2319	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	Forbidden	25 kg	B		
Terpinolene	3	UN2541	III	6.1	IB8, IP3, T1, TP33	153	213	240	Forbidden	100 kg	A		
Tetraazido benzene quinone	6.1	UN2504	III	2.3, 8	B1, IB3, T2, TP1	None	302	None	Forbidden	200 kg	A	40	
Tetrabromoethane	6.1	UN1702	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A		
1,1,2,2-Tetrachloroethane	6.1	UN1897	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Tetrachloroethylene	6.1	UN1704	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40	
Tetraethyl dithiopyrophosphate	6.1	UN1704	III	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40	
Tetraethyl silicate	3	UN1292	III	3	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40	
Tetraethylammonium perchlorate (dry)	Forbidden				B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Tetraethylenepentamine	8	UN2320	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52.	
1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a	2.2	UN3159	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A		
Tetrafluoroethylene, stabilized	2.1	UN1081	III	2.1		306	304	None	Forbidden	150 kg	E	40	
Tetrafluoromethane or Refrigerant gas R 14	2.2	UN1982	III	2.2		None	302	None	75 kg	150 kg	A		
1,2,3,6-Tetrahydrobenzaldehyde	3	UN2498	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Tetrahydrofuran	3	UN2056	III	3	IB2, T4, TP1	None	202	242	5 L	60 L	B		
Tetrahydrofurfurylamine	3	UN2943	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)
	Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride	8	UN2698	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	1,2,3,6-Tetrahydropyridine	3	UN2410	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Tetrahydrothiophene	3	UN2412	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Tetramethylammonium hydroxide, solid	8	UN3423	II	8	B2, IB8, IP2, IP4, T3, TP33	154	213	240	15 kg	50 kg	A	52
	Tetramethylammonium hydroxide solution	8	UN1835	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52
	Tetramethylene dicarbamide	Forbidden		III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	52
	Tetramethylsilane	3	UN2749	I	3	A7, T14, TP2	None	201	243	Forbidden	30 L	D	
	Tetranitro diglycerin	Forbidden		II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tetranitroamine	6.1	UN0207	I	6.1, 5.1	2, B32, T20, TP2, TP13, TP38, TP44	None	227	None	Forbidden	Forbidden	D	40, 6
	Tetranitromethane	6.1	UN1510	I	5.1	.....	None	227	None	Forbidden	Forbidden	D	40, 6
	2,3,4,6-Tetranitrophenol	Forbidden		Forbidden									
	2,3,4,6-Tetranitrophenyl methyl nitramine	Forbidden		Forbidden									
	2,3,4,6-Tetranitrophenyl nitramine	Forbidden		Forbidden									
	Tetranitroresorcinol (dry)	Forbidden		Forbidden									
	2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden		Forbidden									
	2,3,5,6-Tetranitroso nitrobenzene (dry)	Forbidden		Forbidden									
	Tetrapropylthiolanate	3	UN2413	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Tetrazene, see Guanyl nitrosamino-guanyltetrazene												
	Tetrazine (dry)	Forbidden		Forbidden									
	Tetrazol-1-acetic acid	1.4C	UN0407	II	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
	1H-Tetrazole	1.1D	UN0504	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Tetrazolyl azide (dry)	Forbidden		Forbidden									
	Tetryl, see Trinitrophenylmethylnitramine												
	Textile waste, wet	4.2	UN1857	III	4.2	IB6, IP2, T3, TP33	151	213	240	Forbidden	Forbidden	A	56, 58
	Thallium chloride	5.1	UN2573	II	5.1, 6.1		152	212	242	5 kg	25 kg	A	

G	Thallium compounds, n.o.s.	6.1	UN1707	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Thallium nitrate	6.1	UN2727	II	6.1, 5.1	IB6, IP2, T3, TP33	153	212	242	5 kg	25 kg	A	
	4-Thiopentanal	6.1	UN2785	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	D	25, 49
	Thioacetic acid	3	UN2436	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2772	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3005	II	3, 6.1, 6.1, 3	IB2, T11, TP13, TP27, T14, TP2, TP13	150	202	243	1 L	60 L	B	40
				I	6.1, 3		None	201	243	1 L	30 L	B	40
	Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	III	6.1, 3, 6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				I	6.1	IB3, T7, TP2, TP28, T14, TP2, TP13	153	203	242	60 L	220 L	A	40
				II	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	40
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	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	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
	Thiocarbonylchloride, see Thiophosgene	6.1	UN2966	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Thioglycol	8	UN1940	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	
	Thioglycolic acid	6.1	UN2936	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Thiolactic acid	8	UN1836	I	8	B6, B10, N34, T10, TP2, TP13	None	201	243	Forbidden	Forbidden	C	40
	Thionyl chloride	3	UN2414	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Thiophene	6.1	UN2474	I	6.1	2, B9, B14, B32, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
	Thiophosgene												
	Thiophosphoryl chloride	8	UN1837	II	8	A3, A7, B2, B8, B25, IB2, N34, T7, TP2	None	202	242	Forbidden	30 L	C	40
	Thiourea dioxide	4.2	UN3341	II	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	D	
				III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D	
	Tin chloride, fuming, see Stannic chloride, anhydrous												
	Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous												
	Tinctures, medicinal												
	Tinning flux, see Zinc chloride												
	Tires and tire assemblies, see Air, compressed or Nitrogen, compressed	3	UN1293	II	3	IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
				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	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Other Loca-tion (10A)	Other (10B)	
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Titanium disulphide	4.2	UN3174	III	4.2	IB8, IP3, T1, TP33 A19, A20, IB4, N34, T3, TP33 A19, A20, IB6, IP2, N5, N34, T3, TP33 IB8, IP3, T1, TP33 A19, A20, IB6, IP2, N34, T3, TP33	None	213	241	25 kg	100 kg	A		
	Titanium hydride	4.1	UN1871	II	4.1		None	212	241	15 kg	50 kg	E		
	Titanium powder, dry	4.2	UN2546	I	4.2		None	211	242	Forbidden	Forbidden		D	13, 148
		4.2		II	4.2		None	212	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 produced; particle size less than 53 microns; (b) chemically produced; particle size less than 840 microns	4.1	UN1352	III	4.2	None	213	241	25 kg	100 kg		D	13, 148	
		4.1		II	4.1	None	212	240	15 kg	50 kg		E	74	
+	Titanium sponge granules or Titanium sponge powders	4.1	UN2878	III	4.1	A1, IB8, IP3, T1, TP33	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	
	Titanium trichloride mixtures	8	UN2869	II	8	A7, IB8, IP2, IP4, N34	154	212	240	15 kg	50 kg	A	40	
		4.2	UN2441	III	8	A7, IB8, IP3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	40	
+	Titanium trichloride, pyrophoric or Titanium trichloride mixtures, TNT mixed with aluminum, see Tritonal TNT, see Trinitrotoluene, etc Toluene Toluene diisocyanate Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc Toluidines, liquid Toluidines, solid	4.2	UN2441	I	4.2, 8	N34	None	181	244	Forbidden	Forbidden	D	13, 40, 148	
		3	UN1294	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	25, 40	
		6.1	UN2078	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	D		
		6.1	UN1708	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
		6.1	UN3451	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		

2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid	6.1	UN1709	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
2,4-Toluylenediamine solution or 2,4-Toluenediamine solution	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Torpedoes, liquid fueled, with inert head	1.3J	UN0450	II	1.3J	.....		62	None	Forbidden	Forbidden	05	25, 23E
Torpedoes, liquid fueled, with or without bursting charge	1.1J	UN0449	II	1.1J	.....		62	None	Forbidden	Forbidden	05	25, 23E
Torpedoes with bursting charge	1.1E	UN0329	II	1.1E	.....		62	62	Forbidden	Forbidden	04	25
Torpedoes with bursting charge	1.1F	UN0330	II	1.1F	.....		62	None	Forbidden	Forbidden	05	25
Torpedoes with bursting charge	1.1D	UN0451	II	1.1D	.....		62	62	Forbidden	Forbidden	04	25
Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration 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
Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration 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
Toxic by inhalation liquid, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ 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
Toxic by inhalation liquid, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ 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
Toxic by inhalation liquid, flammable, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ 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
Toxic by inhalation liquid, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ 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

§ 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	6.1 Toxic by inhalation liquid, water-re-active, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ 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	6.1 Toxic by inhalation liquid, water-re-active, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ 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	6.1 Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ 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, 28, 40, 49, 148
G	6.1 Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ 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	6.1 Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ 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	6.1 Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ 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 ³ 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 ³ 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	153	201	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	I	6.1	IB2, T11, TP2, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1	IB3, T7, TP1, TP28	153	203	241	Forbidden	220 L	A	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	I	6.1, 5.1	A4	None	201	243	Forbidden	2.5 L	C	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	II	6.1, 5.1	IB2	153	202	243	1 L	5 L	C	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3	A4	None	201	243	Forbidden	1 L	E	13,40, 148
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	II	6.1, 4.3	IB2	None	202	243	1 L	5 L	E	13,40, 148
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	I	6.1, 8	IB7, T6, TP33	None	211	242	1 kg	25 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	I	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	A	40
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	I	6.1, 8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	II	6.1, 4.1	IB7, T6, TP33	None	211	242	1 kg	25 kg	B	40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1, 4.1	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	B	40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1, 4.1	IB6, T6, TP33	None	211	242	1 kg	15 kg	B	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	I	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	B	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 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 solids, oxidizing, n.o.s.	6.1	UN3086	III I	6.1 6.1	IB8, IP3, T1, TP33 T6, TP33	153 None	213 211	240 242	100 kg 1 kg	200 kg 15 kg	A C	
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	II	6.1	IB6, IP2, T3, TP33 A5, T6, TP33	153 None	212 211	242 242	15 kg 5 kg	50 kg 15 kg	C D	40
G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	II	6.1	IB6, IP2, T3, TP33 A5, T6, TP33	None	212 211	242 242	15 kg 5 kg	50 kg 15 kg	D D	40
G	Toxins, extracted from living sources, liquid, n.o.s.	6.1	UN3172	II	6.1	IB6, IP2, T3, TP33 141	153	212	242	15 kg	50 kg	D	13, 40, 148
G	Toxins, extracted from living sources, solid, n.o.s.	6.1	UN3462	I	6.1	141, IB7, IP1, T6, TP33 141, IB8, IP2, IP4, T3 TP33	None	201	243	1 L	30 L	B	40
D	Toy Caps Tracers for ammunition Tracers for ammunition Tractors, see Vehicle, etc Tri-(b-nitroxyethyl) ammonium ni- trate Triallyl borate Triallylamine Triazine pesticides, liquid, flam- mable, toxic, flash point less than 23 degrees C	1.4S 1.3G 1.4G Forbidden 6.1 3 3	NA0337 UN0212 UN0306	III II II II	6.1 1.4S 1.3G 1.4G	141, IB2 141, IB3 141, IB7, IP1, T6, TP33 141, IB8, IP2, IP4, T3 TP33 141, IB8, IP3, T1 TP33	None None None None	202 203 203 211 212 213 62 62 62	243 241 243 243 241 None None None	5 L 60 L 220 L 50 kg 25 kg 100 kg 200 kg 100 kg Forbidden Forbidden	B B B B A 01 03 02	25 25 25	
	Triazine pesticides, liquid, toxic	6.1	UN2998	I II	6.1 6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	150 None 153	202 201 202	243 243 243	1 L 1 L 5 L	60 L 30 L 60 L	B B B	40 40 40

Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2997	III	I	6.1, 3	IB3, T7, TP2, TP28, TP13, TP27	203	241	60 L	220 L	A	40
							201	243	1 L	30 L	B	40
Triazine pesticides, solid, toxic	6.1	UN2763	III	II	6.1, 3	IB2, T11, TP2, TP13, TP27	202	243	5 L	60 L	B	40
							203	242	60 L	220 L	A	40
Tributylamine	6.1	UN2542	II	I	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	A	40
	4.2	UN3254	II	I	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	40
Trichloro-s-triazinone, dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry	6.1	UN2542	III	I	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	40
	4.2	UN3254	II	I	4.2	IB2, T7, TP2	202	243	5 L	60 L	A	40
Trichloroacetic acid	8	UN1839	II	II	8	T21, TP7, TP33	211	242	Forbidden	Forbidden	D	136
							212	240	15 kg	50 kg	A	
Trichloroacetic acid, solution	8	UN2564	II	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	202	242	1 L	30 L	B	
							203	241	5 L	60 L	B	8
Trichloroacetyl chloride	8	UN2442	II	II	8, 6.1	A3, A6, A7, IB2, IB2, N34, T7, TP2	227	244	Forbidden	Forbidden	D	40
							203	241	60 L	220 L	A	25, 40
Trichlorobenzenes, liquid	6.1	UN2321	III	III	6.1	IB3, T4, TP1	203	243	5 L	60 L	A	40
	6.1	UN2322	II	III	6.1	IB3, N36, T4, TP1	202	241	60 L	220 L	A	40
1,1,1-Trichloroethane	6.1	UN2831	III	III	6.1	IB3, N36, T4, TP1	203	241	60 L	220 L	A	40
	6.1	UN1710	III	III	6.1	IB3, N36, T4, TP1	203	241	60 L	220 L	A	40
Trichloroethylene	6.1	UN2468	II	II	5.1	IB8, IP2, IP4, T3, TP33	212	240	5 kg	25 kg	A	13
	5.1	UN2468	II	II	5.1	IB8, IP2, IP4, T3, TP33	212	240	5 kg	25 kg	A	13
Trichloroisocyanuric acid, dry	Forbidden								Forbidden	Forbidden	D	21, 28, 40, 49, 100
	4.3	UN1295	I	I	4.3, 3, 8	N34, T14, TP2, TP7, TP13	201	244	Forbidden	Forbidden	D	
Trichlorosilane	6.1	UN2574	II	II	6.1	A3, IB2, N33, N34, T7, TP2	202	243	5 L	60 L	A	
							203	242	60 L	220 L	A	
Tricresyl phosphate with more than 3 percent ortho isomer	3	UN2323	III	III	3	B1, IB3, T2, TP1	202	243	1 L	5 L	B	40
	3	UN1296	II	III	3, 8	IB2, T7, TP1	202	242	1 L	30 L	B	40, 52
Triethylamine	8	UN2259	II	II	8	B2, IB2, T7, TP2	202	242	1 L	30 L	B	12, 25, 40
	8	UN2699	I	I	8	A3, A6, A7, B4, N3, N34, N36, T10, TP2	201	243	0.5 L	2.5 L	B	
Trifluoroacetic acid	2.3	UN3057			2.3, 8	2, B7, B9, B14, T50, TP21	304	314, 315	Forbidden	Forbidden	D	40
							304	314, 315	Forbidden	Forbidden	D	40
Trifluorochloroethylene, stabilized or Refrigerant gas R 1113	2.3	UN1082	.....		2.3, 2.1	3, B14, T50	304	314, 315	Forbidden	Forbidden	D	40
	2.2	UN1984			2.2		304	314, 315	75 kg	150 kg	A	
Trifluoromethane or Refrigerant gas R 23	2.2	UN3136			2.2	T75, TP5	None	315	50 kg	500 kg	D	
	2.2	UN3136			2.2		304	315	50 kg	500 kg	D	
Trifluoromethane, refrigerated liquid	2.1	UN2035			2.1	T50	306	315	Forbidden	150 kg	B	40
	2.1	UN2035			2.1		306	315	Forbidden	150 kg	B	40
1,1,1-Trifluoroethane or Refrigerant gas, R 143a	2.1	UN2035			2.1		306	315	Forbidden	150 kg	B	40

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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	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
	<i>Trifluoromethane trinitrate</i>	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	
	Trimethoxysilane	6.1	NA9269	I	6.1, 3	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	E	40
	Trimethyl borate	3	UN2416	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B	
	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, 100
	Trimethylamine, anhydrous	2.1	UN1083		2.1	N87, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass	3	UN1297		3	T11, TP1	None	201	243	0.5 L	2.5 L	D	40, 135
	1,3,5-Trimethylbenzene	3	UN2325	III	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 41
	Trimethylchlorosilane	3	UN1298	II	3, 8	B1, IB3, T7, TP1	150	203	242	5 L	60 L	A	40, 41
Trimethylcyclohexylamine	8	UN2326	III	8	B1, IB3, T2, TP1	150	203	242	Forbidden	5 L	E	40	
Trimethylene glycol diperchlorate	Forbidden				A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	E		
Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A		
Trimethylhexamethylenediamines	8	UN2327	III	8	IB3, T4, TP1	154	203	241	60 L	220 L	B		
Trinitro-m-cresol	1.1D	UN0216	II	1.1D	.....	None	62	None	Forbidden	Forbidden	A	25, 5E	
2,4,6-Trinitro-1,3-diazobenzene (dry)	Forbidden												
Trinitroacetic acid	Forbidden												
Trinitroacetone	Forbidden												
Trinitroamine cobalt	Forbidden												
Trinitroaniline or Picramide	1.1D	UN0153	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25	

Tritroanisole	1.1D	UN0213	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrobenzene, wetted, with not less than 10% water, by mass	4.1	UN3367	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	E	28, 36
Tritrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	II	1.1D	.....	None	62	None	Forbiddn	4	25
Tritrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrobenzene, wetted with not less than 30 percent water, by mass	4.1	UN1354	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	E	28, 36
Tritrobenzenesulfonic acid	1.1D	UN0386	II	1.1D	.....	None	62	None	Forbiddn	04	25, 5E
Tritrobenzoic acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0215	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrobenzoic acid, wetted with not less than 10% water by mass	4.1	UN3368	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	E	28, 36
Tritrobenzoic acid, wetted with not less than 30 percent water, by mass	4.1	UN1355	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	E	28, 36
Tritrochlorobenzene or Picryl chloride	1.1D	UN0155	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrochlorobenzene (picryl chloride), wetted, with not less than 10% water by mass	4.1	UN3365	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	E	28, 36
Tritroethanol	Forbiddn										
Tritroethylnitrate	Forbiddn										
Tritrofluorenone	1.1D	UN0387	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritromethane	Forbiddn										
1,3,5-Tritronaphthalene	Forbiddn										
Tritronaphthalene	1.1D	UN0217	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrophenetole	1.1D	UN0218	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrophenol (picric acid), wetted, with not less than 10 percent water by mass	4.1	UN3364	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	E	28, 36
Tritrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0154	II	1.1D	.....	None	62	None	Forbiddn	04	25, 5E
Tritrophenol, wetted with not less than 30 percent water, by mass	4.1	UN1344	I	4.1	23, A8, A19, N41	None	211	None	1 kg	E	28, 36
Tritrophenol, wetted with not less than 30 percent water, by mass	Forbiddn										
2,4,6-Tritrophenyl guanidine (dry)	Forbiddn										
2,4,6-Tritrophenyl nitramine	Forbiddn										
2,4,6-Tritrophenyl trimethylol	Forbiddn										
methyl nitramine trinitrate (dry)	1.1D	UN0208	II	1.1D	.....	None	62	None	Forbiddn	04	25
Tritrophenylmethylnitramine or Tetryl											

§ 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)
	Tritiroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0219	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Tritiroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass	1.1D	UN0394	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	2,4,6-Tritiroso-3-methyl nitramine	Forbidden											
	Tritirotetramine cobalt nitrate	Forbidden											
	Tritirotoluene and Tritirobenzene mixtures or TNT and hexanitrostilbene mixtures, or Tritirotoluene and hexanitrostilbene mixtures	1.1D	UN0388	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritirotoluene mixtures containing Hexanitrostilbene and TNT mixtures containing tritirobenzene and hexanitrostilbene	1.1D	UN0389	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritirotoluene or TNT, dry or wetted with less than 30 percent water, by mass	1.1D	UN0209	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritirotoluene (TNT), wetted, with not less than 10 percent water by mass	4.1	UN3366	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Tritirotoluene, wetted or TNT, wetted, with not less than 30 percent water by mass	4.1	UN1356	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Tripopylamine	3	UN2260	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	Tripopylene	3	UN2057	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Tris-(1-aziridinyl)phosphine oxide, solution	6.1	UN2501	II	6.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
						IB2, T7, TP2	153	202	243	5 L	60 L	A	

Proper shipping name	UN number	Class(es)	Label(s)	Quantity	Special provisions	Proper shipping name	UN number	Class(es)	Label(s)	Quantity	Special provisions	
<i>Tris, bis-bifluoroamino diethoxy propane (TVOPA)</i>												
Tritonal	1.1D UN0390	II	1.1D	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	25
Tungsten hexafluoride	2.3 UN2196	II	2.3, 8	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Turpentine	3 UN1299	III	3	3	B1, IB3, T2, TP1	None	338	None	Forbidden	Forbidden	D	40
Turpentine substitute	3 UN1300	III	3	3	T11, TP1, TP8, TP27	None	203	242	60 L	30 L	A	
		II	3	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
		III	3	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Undecane	3 UN2330	III	3	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg, per package, non-fissile or fissile-excepted	8 UN3507	I	8, 7	8, 7	B1, IB3, T2, TP1	369	420	None	Less than .1 kg	Less than .1 kg	A	132
Urea nitrate, dry or wetted with less than 20 percent water, by mass	5.1 UN1511	III	5.1, 8	5.1, 8	A1, A7, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13
Urea nitrate, wetted, with not less than 10 percent water by mass	1.1D UN0220	II	1.1D	1.1D	T1, 119	None	62	None	Forbidden	Forbidden	04	25
Urea nitrate, wetted with not less than 20 percent water, by mass	4.1 UN3370	I	4.1	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	28, 36
Urea peroxide, see Urea hydrogen peroxide	4.1 UN1357	I	4.1	4.1	23, 39, A8, A19, N41	None	211	None	1 kg	15 kg	E	28, 36
Valeraldehyde	3 UN2058	II	3	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Valeric acid, see Corrosive liquids, n.o.s.												
Valeryl chloride	8 UN2502	II	8, 3	8, 3	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	243	1 L	30 L	C	40
Vanadium compound, n.o.s.	6.1 UN3285	I	6.1	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
		II	6.1	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
		III	6.1	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	C	
Vanadium oxytrichloride	8 UN2443	II	8	8	A3, A6, A7, B2, B16, IB2, N34, T7, TP2	154	202	242	Forbidden	30 L	C	40
Vanadium pentoxide, non-fused form	6.1 UN2862	III	6.1	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Vanadium tetrachloride	8 UN2444	I	8	8	A3, A6, A7, B4, N34, T10, TP2	None	201	243	Forbidden	2.5 L	C	40
Vanadium trichloride	8 UN2475	III	8	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
Vanadyl sulfate	6.1 UN2931	II	6.1	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Vehicle, flammable gas powered or powered	9 UN3166	.....	9	9	135, A200	220	220	220	Forbidden	No limit	A	
Vehicle, fuel cell, flammable gas powered	9 UN3166	.....	9	9	135, A200	220	220	220	No limit	No limit	A	
Vehicle, flammable liquid powered or Vehicle, fuel cell, flammable liquid powered	9 UN3166	.....	9	9	135, A200	220	220	220	No limit	No limit	A	
Very signal cartridge, see Cartridges, signal												
Vinyl acetate, stabilized	3 UN1301	II	3	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	

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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)	
	Vinyl bromide, stabilized	2.1	UN1085		2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	B	40	
	Vinyl butyrate, stabilized	3	UN2838	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	Vinyl chloride, stabilized	2.1	UN1086		2.1	21, B44, N86, T50	306	304	314, 315	Forbidden	150 kg	B	40	
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40	
	Vinyl ethyl ether, stabilized	3	UN1302	I	3	A3, T11, TP2	None	201	243	1 L	30 L	D	40	
	Vinyl fluoride, stabilized	2.1	UN1860		2.1	N86	306	304	314, 315	Forbidden	150 kg	E	40	
	Vinyl isobutyl ether, stabilized	3	UN1304	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	Vinyl methyl ether, stabilized	2.1	UN1087		2.1	B44, T50	306	304	314, 315	Forbidden	150 kg	B	40	
	Vinyl nitrate polymer	Forbidden												
	Vinylidene chloride, stabilized	3	UN1303	I	3	T12, TP2, TP7	150	201	243	1 L	30 L	E	40	
	Vinylpyridines, stabilized	6.1	UN3073	II	6.1, 3, 8	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	B	21, 40, 52, 100	
	Vinytoluenes, stabilized	3	UN2618	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Vinyltrichlorosilane	3	UN1305	II	3, 8	A3, A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40	
	Warheads, rocket with burster or expelling charge	1.4D	UN0370	II	1.4D	.....	None	62	62	Forbidden	75 kg	02	25
	Warheads, rocket with burster or expelling charge	1.4F	UN0371	II	1.4F	.....	None	62	62	Forbidden	Forbidden	05	25
Warheads, rocket with bursting charge	1.1D	UN0286	II	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25	
Warheads, rocket with bursting charge	1.2D	UN0287	II	1.2D	.....	None	62	62	Forbidden	Forbidden	04	25	
Warheads, rocket with bursting charge	1.1F	UN0369	II	1.1F	.....	None	62	62	Forbidden	Forbidden	05	25	
Warheads, torpedo with bursting charge	1.1D	UN0221	II	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25	
Water-reactive liquid, corrosive, n.o.s.	4.3	UN3129	I	4.3, 8	T14, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D	13, 148		
G	Water-reactive liquid, n.o.s.	4.3	UN3148	I	4.3, 8	T13, TP2, TP7, TP41	None	201	243	Forbidden	1 L	E	13, 85, 148	
								202	243	Forbidden	5 L	E	13, 148	
								203	242	Forbidden	5 L	E	13, 148	

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G	Water-reactive liquid, toxic, n.o.s	4.3	II	4.3	IB1, T7, TP2, TP7	None	202	243	1 L	5 L	E	13, 40, 148
		4.3	III	4.3	IB2, T7, TP2, TP7	None	203	242	5 L	60 L	E	13, 40, 148
		4.3, 6.1	I	4.3, 6.1	A4	None	201	243	Forbidden	1 L	D	13, 148
		4.3, 6.1	II	4.3, 6.1	IB1	None	202	243	1 L	5 L	E	13, 85, 148
		4.3, 6.1	III	4.3, 6.1	IB2	None	203	242	5 L	60 L	E	13, 85, 148
G	Water-reactive solid, corrosive, n.o.s	4.3, 8	I	4.3, 8	IB4, IP1, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	D	13, 148
		4.3, 8	II	4.3, 8	IB6, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	13, 85, 148
		4.3, 8	III	4.3, 8	IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	E	13, 85, 148
G	Water-reactive solid, flammable, n.o.s	4.3, 4.1	I	4.3, 4.1	IB4, N40	None	211	242	Forbidden	15 kg	D	13, 148
		4.3, 4.1	II	4.3, 4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	13, 148
		4.3, 4.1	III	4.3, 4.1	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	13, 148
G	Water-reactive solid, n.o.s	4.3	I	4.3	IB4, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	E	13, 40, 148
		4.3	II	4.3	IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	13, 40, 148
		4.3	III	4.3	IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	E	13, 40, 148
G	Water-reactive, solid, oxidizing, n.o.s	4.3, 5.1	II	4.3, 5.1	.....	None	214	214	Forbidden	Forbidden	E	13, 40, 148
		4.3, 5.1	III	4.3, 5.1	.....	None	214	214	Forbidden	Forbidden	E	13, 40, 148
G	Water-reactive solid, self-heating, n.o.s	4.3, 4.2	I	4.3, 4.2	N40	None	211	242	Forbidden	15 kg	E	13, 148
		4.3, 4.2	II	4.3, 4.2	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	E	13, 148
		4.3, 4.2	III	4.3, 4.2	IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	E	13, 148
G	Water-reactive solid, toxic, n.o.s	4.3, 6.1	I	4.3, 6.1	A8, IB4, IP1, N40	None	211	242	Forbidden	15 kg	D	13, 148
		4.3, 6.1	II	4.3, 6.1	IB5, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	13, 85, 148
		4.3, 6.1	III	4.3, 6.1	IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	E	13, 85, 148
	<i>Wheel chair, electric, see Battery powered vehicle or Battery powered equipment</i> <i>White acid, see Hydrofluoric acid</i> <i>Wood preservatives, liquid</i>	3	II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	40
		3	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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
A I W	Wool waste, wet Xanthates Xenon, compressed Xenon, refrigerated liquid (cryogenic liquids) Xylenes Xylenols, solid Xylenols, liquid Xylenols, liquid Xylenols, liquid Xylenols, solid Xylyl bromide, liquid Xylyl bromide, solid <i>p</i> -Xylyl diazide Zinc ammonium nitrite Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures Zinc ashes Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s. Zinc bromate Zinc chlorate Zinc chloride, anhydrous Zinc chloride, solution Zinc cyanide Zinc dithionite or Zinc hydrosulfite Zinc fluorosilicate Zinc hydrosulfite, see Zinc dithionite	4.2	UN1387	III	4.2	IB6, IP2, T3, TP33 IB8, IP3, T1, TP33 None 306, 307 None 320 None 202 242 241 241 None None None 202 242 242 242 243 243 242 242 None None None 212 212 242 241 151 152 152 152 None 8 8 6.1 9 6.1	151	213	240	Forbidden	A	40	
		4.2	UN3342	II	4.2		None	212	241	241	15 kg	D	40
		2.2	UN2036	III	2.2		None	306,	302	None	75 kg	A	
		2.2	UN2591	II	2.2		775, TP5	320	None	None	50 kg	D	
		3	UN1307	II	3		IB2, T4, TP1	150	202	242	5 L	B	
		6.1	UN2261	III	6.1		B1, IB3, T2, TP1	150	203	242	60 L	A	
		6.1	UN3430	II	6.1		IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	
		6.1	UN1711	II	6.1		IB2, T7, TP2	155	202	243	5 L	A	
		6.1	UN3452	II	6.1		IB2, T7, TP2	153	202	243	5 L	A	
		6.1	UN1701	II	6.1		IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	
		6.1	UN3417	II	6.1		A3, A6, A7, IB2, N33, T7, TP2, TP13	None	340	None	Forbidden	D	40
		6.1	UN3417	II	6.1		A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	None	340	None	25 kg	B	40
		5.1	UN1512	II	5.1		IB8, IP4, T3, TP33	None	212	242	5 kg	E	
6.1	UN1712	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A				
4.3	UN1435	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	A	13, 148			
5.1	UN2469	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	A	56, 58			
5.1	UN1513	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	A	56, 58			
8	UN2331	III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	A				
8	UN1840	III	8	IB3, T4, TP1	154	203	241	5 L	A				
6.1	UN1713	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	A	52			
9	UN1931	III	9	IB8, IP3, T1, TP33	155	204	240	100 kg	A	13, 26, 123			
6.1	UN2855	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A	52			

§ 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)
		4.1	UN1358	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	E	13, 74, 147, 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												
	Zirconium scrap	4.2	UN1932	III	4.2	IB8, IP3, N34, T1, TP33	None	213	240	Forbidden	Forbidden	D	13, 148
	Zirconium suspended in a liquid	3	UN1308	I 3	3		None	201	243	Forbidden	Forbidden	B	
				II 3	3		None	202	242	5 L	60 L	B	
				III 3	3		150	203	242	60 L	220 L	B	
	Zirconium tetrachloride	8	UN2503	III 8	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	

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 ϵ	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 ϵ	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[j]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[c]acridine	100 (45.4)
Benzal chloride	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Benz[a]anthracene	10 (4.54)
1,2-Benzanthracene	10 (4.54)
Benz[a]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- α -(4-chlorophenyl)- α -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 ϵ	10 (4.54)
Beryllium chloride	1 (0.454)
Beryllium fluoride	1 (0.454)
Beryllium nitrate	1 (0.454)
Beryllium powder ϵ	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 ϵ	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 ₂ CrO ₄ , calcium salt	10 (4.54)
Chromic sulfate	1000 (454)
Chromium ϵ	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 ϵ	5000 (2270)
Copper chloride ϵ	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 α , 2 α , 3 β -, 4 α , 5 α , 6 β)	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-, (1alpha, 2beta, 2alpha, 3beta, 6beta, 6alpha, 7beta, 7alpha)-	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-, (1alpha, 2beta, 2beta, 3alpha, 6alpha, 6beta, 7beta, 7alpha)-, & 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)
Methapyriene	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)4, (T-4)	10 (4.54)
Nickel chloride	100 (45.4)
Nickel cyanide Ni(CN)2	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 ₂	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 ₄ , (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®	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 [®]	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 ₂ O ₃	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 ₂ N)C(S)] ₂ NH	100 (45.4)
Thiomethanol	100 (45.4)
Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ , 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 ₂ O ₅	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 ϵ	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) ₂	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 ₃ P ₂	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 (.00037)
Gadolinium-149	64	100 (3.7)
Gadolinium-151	64	100 (3.7)
Gadolinium-152	64	0.001 (.00037)
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)

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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 Num- ber	(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 Num- ber	(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
	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
PP	Carbon tetrachloride
	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
PP	Chlorpyrifos
PP	Chlorthiophos
	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
	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	Fenproprathrin
	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>	PP	Heptachlor
	Dinitro-o-cresol, <i>solution</i>		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	Diphenyl		Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
PP	Diphenylamine chloroarsine		Hydroxydimethylbenzenes, liquid or solid
PP	Diphenylchloroarsine, solid or liquid		
	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)
	Ioxynil
	Isobenzan
	Isobutyl butyrate
	Isobutylbenzene
	Isodecyl acrylate
	Isodecyl diphenyl phosphate
	Isofenphos
	Isooctane
	Isooctyl nitrate
	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 <i>with not less than 60% maneb</i>
	Maneb preparation, stabilized against self-heating
	Maneb stabilized <i>or</i> Maneb preparations, stabilized <i>against self-heating</i>
	Manganese ethylene-1,2-bis dithiocarbamate
	Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating
	Mecarbam
	Mepfosfolan
	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
PP	Mercury benzoate
PP	Mercury bichloride

S.M.P. (1)	Marine pollutant (2)
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
	Methylchlorobenzenes
	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
	<i>normal</i> -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., <i>flash point less than 23deg C</i>
PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.
PP	Organotin pesticides, liquid, toxic, n.o.s.
PP	Organotin pesticides, solid, toxic, n.o.s.

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	Orthoarsenic acid		Silver cyanide
	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		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		Sodium pentachlorophenate
	Perchloroethylene	PP	Strychnine or Strychnine salts
	Perchloromethylmercaptan		Sulfotep
	Petrol, leaded		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
	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		Trichloronate
	Propenal, inhibited	PP	Tricresyl phosphate (less than 1% ortho-isomer)
	Propenoic acid, stabilized		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		Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates
PP	Quizalofop-p-ethyl	PP	Triphenyltin compounds
	Rotenone		
	Salithion		
PP	Silafluofen		
	Silver arsenite	PP	

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Tritolyl phosphate (less than 1% ortho-isomer)
	Tritolyl phosphate (not less than 1% ortho-isomer)
	Trixylenyl phosphate
	Turpentine
PP	Vinylidene chloride, stabilized
	Warfarin (and salts of)
PP	White phosphorus, dry
PP	White phosphorus, wet
PP	White spirit, low (15-20%) aromatic
	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.fdsys.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 that 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 inhalation hazard under the provisions of this subchapter.
- 3 This material is poisonous by inhalation (see § 171.8 of this subchapter) in Hazard Zone C (see § 173.116(a) of this subchapter),