

§ 172.1

APPENDIX B TO PART 172—TREFOIL SYMBOL
APPENDIX C TO PART 172—DIMENSIONAL SPECIFICATIONS FOR RECOMMENDED PLACARD HOLDER
APPENDIX D TO PART 172—RAIL RISK ANALYSIS FACTORS

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

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

Subpart A—General

§ 172.1 Purpose and scope.

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

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

§ 172.3 Applicability.

(a) This part applies to—

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

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

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

Subpart B—Table of Hazardous Materials and Special Provisions

§ 172.101 Purpose and use of hazardous materials table.

(a) The Hazardous Materials Table (Table) in this section designates the materials listed therein as hazardous materials for the purpose of transportation of those materials. For each listed material, the Table identifies the hazard class or specifies that the material is forbidden in transportation, and gives the proper shipping name or directs the user to the preferred proper

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

(2) Punctuation marks and words in italics are not part of the proper shipping name, but may be used in addition to the proper shipping name. The word “or” in italics indicates that there is a choice of terms in the sequence that may alternately be used as the proper shipping name or as part of the proper shipping name, as appropriate. For example, for the hazardous materials description “Carbon dioxide, solid or Dry ice” either “Carbon dioxide, solid” or “Dry ice” may be used as the proper shipping name; and for the hazardous materials description “Articles, pressurized pneumatic or hydraulic,” either “Articles, pressurized pneumatic” or “Articles, pressurized hydraulic”

may be used as the proper shipping name.

(3) The word “poison” or “poisonous” may be used interchangeably with the word “toxic” when only domestic transportation is involved. The abbreviation “n.o.i.” or “n.o.i.b.n.” may be used interchangeably with “n.o.s.”.

(4) Except for hazardous wastes, when qualifying words are used as part of the proper shipping name, their sequence in the package markings and shipping paper description is optional. However, the entry in the Table reflects the preferred sequence.

(5) When one entry references another entry by use of the word “see”, if both names are in Roman type, either name may be used as the proper shipping name (e.g., Ethyl alcohol, *see* Ethanol).

(6) When a proper shipping name includes a concentration range as part of the shipping description, the actual concentration, if it is within the range stated, may be used in place of the concentration range. For example, an aqueous solution of hydrogen peroxide containing 30 percent peroxide may be described as “Hydrogen peroxide, aqueous solution *with not less than 20 percent but not more than 40 percent hydrogen peroxide*” or “Hydrogen peroxide, aqueous solution *with 30 percent hydrogen peroxide*.” Also, the percent sign (%) may be used in place of the word “percent” when words in italics containing the word “percent” are used in addition to the proper shipping name.

(7) Use of the prefix “mono” is optional in any shipping name, when appropriate. Thus, Iodine monochloride may be used interchangeably with Iodine chloride. In “Glycerol alpha-monochlorohydrin” the term “mono” is considered a prefix to the term “chlorohydrin” and may be deleted.

(8) Use of the word “liquid” or “solid”. The word “liquid” or “solid” may be added to a proper shipping name when a hazardous material specifically listed by name may, due to differing physical states, be a liquid or solid. When the packaging specified in Column 8 is inappropriate for the physical state of the material, the table provided in paragraph (i)(4) of this section should be used to determine the appropriate packaging section.

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(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 transpor-

tation 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 hazards. Provisions in §172.402 may require that a label other than that specified

in Column 6 be affixed to the package in addition to that specified in Column 6. No label is required for a material classed as a combustible liquid or for a Class 3 material that is reclassified as a combustible liquid. For “Empty” label requirements, see §173.428 of this subchapter. The codes contained in Column 6 are defined according to the following table:

LABEL SUBSTITUTION TABLE

Label code	Label name
1	Explosive
1.1 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 non-bulk packaging requirements prescribed in §173.202 of this subchapter is required. When packaging require-

ments 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

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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—

(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 shipping description or associated entry which is listed in the §172.101 Table must receive prior written approval from the Associate Administrator.

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

§ 172.101 HAZARDOUS MATERIALS TABLE

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
A	Accelerane, see Nitrosodimethylamine Accumulators, electric, see Batteries, wet etc Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas), see Articles pressurized, pneumatic or hydraulic (containing non-flammable gas) Acetal 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	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
							150	202	242	5 L	60 L	E	
							None	201	243	Forbidden	30 L	E	
							155	204	240	200 kg	200 kg	A	34
							150	203	242	60 L	220 L	A	
							154	202	243	1 L	30 L	A	
							154	202	242	1 L	30 L	A	
							154	203	242	5 L	60 L	A	
							154	202	243	1 L	30 L	A	40
							None	202	242	5 L	60 L	B	
							150	202	242	5 L	60 L	D	25, 40, 52, 53
							150	202	242	5 L	60 L	B	40
							150	202	242	5 L	60 L	B	
							154	202	242	1 L	30 L	C	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Adsorbed gas, toxic, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3512	.....	2.3	4	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, corrosive, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3516	.....	2.3, 8	1, 379	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, corrosive, n.o.s. <i>Inhalation hazard zone B</i>	2.3	UN3516	.....	2.3, 8	2, 379, B9, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, corrosive, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3516	.....	2.3, 8	3, 379, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, corrosive, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3516	.....	2.3, 8	4, 379	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, flammable, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3514	.....	2.3, 2.1	1	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, flammable, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3514	.....	2.3, 2.1	2, B9, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, flammable, n.o.s. <i>Inhalation hazard zone B</i>	2.3	UN3514	.....	2.3, 2.1	3, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, flammable, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3514	.....	2.3, 2.1	4	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, flammable, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3514	.....	2.3, 2.1	4	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3517	.....	2.3, 2.1, 8	1	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	17, 40 (10B)
G	Adsorbed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation hazard zone B</i>	2.3	UN3517	.....	2.3, 2.1, 8	2, B9, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	17, 40 (10B)
G	Adsorbed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3517	.....	2.3, 2.1, 8	3, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	17, 40 (10B)
G	Adsorbed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3517	.....	2.3, 2.1, 8	4	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	17, 40 (10B)
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3515	.....	2.3, 5.1	1	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone B</i>	2.3	UN3515	.....	2.3, 5.1	2, B9, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3515	.....	2.3, 5.1	3, B14	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3515	.....	2.3, 5.1	4	None (8A)	302c (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	40 (10B)

G	Adsorbed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3518	.....	2.3, 5.1, 8	1	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, corrosive, 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, corrosive, 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, corrosive, 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, Packing Group II or III, (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 8	A34	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, flammable, (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	304	None	Forbidden	150 kg	A	25, 87, 126
	Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2	.....	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, poison, Packing Group III (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 6.1	.....	306	None	None	Forbidden	Forbidden	A	25, 87, 126
	Air bag inflators, or Air bag modules, or Seat-belt pretensioners, see Safety devices, electrically initiated or Safety devices, pyrotechnic												
	Air, compressed	2.2	UN1002		2.2	78	306, 307	302	302	75 kg	150 kg	A	
	Air, refrigerated liquid, (cryogenic liquid)	2.2	UN1003		2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51
	Air, refrigerated liquid, (cryogenic liquid) non-pressurized	2.2	UN1003		2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51
	Aircraft engines (including turbines), see Engines, internal combustion												
	Aircraft evacuation slides, see Life saving appliances etc												
	Aircraft hydraulic power unit fuel tank (containing a mixture of anhydrous hydrazine and monomethyl hydrazine) (M86 fuel)	3	UN3165	I	3, 6.1, 8	.....	None	172	None	Forbidden	42 L	E	21, 40, 49, 100
G	Aircraft survival kits, see Life saving appliances etc												
	Alcoholates solution, n.o.s., in alcohol	3	UN3274	II	3, 8	IB2	150	202	243	1 L	5 L	B	
	Alcoholic beverages	3	UN3065	II	3	24, 149, B1, IB2, T4, TP1	150	202	242	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)
	Alcohols, n.o.s.	3	UN1987	I	3	24, B1, IB3, N11, T2, TP1	150	203	242	60 L	220 L	A	
				I	3	172, T11, TP1, TP8, TP27	4b	201	243	1 L	30 L	E	
				II	3	172, IB2, T7, TP1, TP8, TP28	4b, 150	202	242	5 L	60 L	B	
				III	3	172, B1, IB3, T4, TP1, TP29	4b, 150	203	242	60 L	220 L	A	
G	Alcohols, flammable, toxic n.o.s.	3	UN1986	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
				II	3, 6.1	IB2, T11, TP2, TP27	150	202	243	1 L	60 L	B	40
				III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	60 L	220 L	A	
	Aldehydes, n.o.s.	3	UN1989	I	3	T11, TP1, TP27	None	201	243	1 L	30 L	E	
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
				III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
G	Aldehydes, flammable, toxic, n.o.s.	3	UN1988	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
				II	3, 6.1	IB2, T11, TP2, TP27	150	202	243	1 L	60 L	B	40
				III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	60 L	220 L	A	
G	Alkaloid	6.1	UN2839	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25
	Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.2	UN3206	II	4.2, 8	64, A7, IB5, IP2, T3, TP33, W31	None	212	242	15 kg	50 kg	B	
				III	4.2, 8	64, A7, IB8, IP3, T1, TP33, W31	None	213	242	25 kg	100 kg	B	
	Alkali metal alloys, liquid, n.o.s.	4.3	UN1421	I	4.3	A2, A7, B48, N34, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
	Alkali metal amalgam, liquid	4.3	UN1389	I	4.3	A2, A7, N34, W31	None	201	244	Forbidden	1 L	D	13, 40, 52, 148
	Alkali metal amalgam, solid	4.3	UN3401	I	4.3	IB4, IP1, N40, T9, TP7, TP33, W32	None	211	242	Forbidden	15 kg	D	13, 52, 148
	Alkali metal amides	4.3	UN1390	II	4.3	A6, A7, A8, A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 40, 52, 148
	Alkali metal dispersions, flammable or Alkaline earth metal dispersions, flammable	4.3	UN3482	I	4.3, 3	A2, A7, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
	Alkali metal dispersions, or Alkaline earth metal dispersions	4.3	UN1391	I	4.3	A2, A7, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
	Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s.												

G	Alkaline earth metal alcoholates, n.o.s.	4.2	UN3205	II	4.2	65, A7, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	B	
	Alkaline earth metal alloys, n.o.s.			III	4.2	65, A7, IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	B	13, 52, 148
	Alkaline earth metal amalgams, liquid	4.3	UN1393	II	4.3	A19, IB7, IP2, IP4, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 40, 52, 148
	Alkaline earth metal amalgams, solid	4.3	UN1392	I	4.3	A19, N34, N40, W31	None	201	244	Forbidden	1 L	E	13, 52, 148
	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	4.3	UN3402	I	4.3	A19, N34, N40, T9, TP7, TP33, W32	None	211	242	Forbidden	15 kg	D	13, 52, 148
		6.1	UN3140	I	6.1	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A	
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
		6.1	UN1544	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
		8	UN2584	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
G	Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous	8	UN2586	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	B	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid	8	UN2583	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid 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	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with more than 5 percent free sulfuric acid	8	UN3145	I	8	T14, TP2	None	201	243	0.5 L	2.5 L	B	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with more than 5 percent free sulfuric acid	8	UN2430	II	8	IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid	8	UN2571	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN2430	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
	Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2571	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
	Alkylsulfuric acids	8	UN2571	II	8	B2, IB2, T8, TP2, TP13, TP28	154	202	242	25 kg	100 kg	A	
	Alkylsulfuric acids	8	UN2571	II	8		154	202	242	1 L	30 L	C	14
G	Allethrin, see Pesticides, liquid, toxic, n.o.s.	3	UN2333	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Allyl acetate	6.1	UN1098	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Allyl alcohol	3	UN1099	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	B	40
	Allyl bromide	3	UN1100	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	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 (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Allyl chloroformate, see Allyl chloroformate	6.1	UN1722	I	6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 40, 100
	Allyl ethyl ether	3	UN2335	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Allyl formate	3	UN2336	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
	Allyl glycidyl ether	3	UN2219	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Allyl iodide	3	UN1723	II	3, 8	A3, IB1, N34, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
	Allyl isothiocyanate, stabilized	6.1	UN1545	II	6.1, 3	387, A3, A7, IB2, T7, TP2	None	202	243	Forbidden	60 L	D	25, 40
	Allylamine	6.1	UN2334	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Allyltrichlorosilane, stabilized	8	UN1724	II	8, 3	387, A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	25, 40
	Aluminum borohydride or Aluminum borohydride in devices	4.2	UN2870	I	4.2, 4.3	B11, T21, TP7, TP33	None	181	244	Forbidden	Forbidden	D	13, 148
	Aluminum bromide, anhydrous	8	UN1725	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
	Aluminum bromide, solution	8	UN2580	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	Aluminum carbide	4.3	UN1394	II	4.3	A20, IB7, IP2, IP21, N41, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 52, 148
	Aluminum chloride, anhydrous	8	UN1726	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
	Aluminum chloride, solution	8	UN2581	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	Aluminum dross, wet or hot	Forbidden											
	Aluminum ferrosilicon powder	4.3	UN1395	II	4.3, 6.1	A19, IB5, IP2, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 39, 40, 52, 53, 85, 103, 148
	Aluminum hydride	4.3	UN2463	I	4.3	A19, A20, IB4	151	213	241	25 kg	100 kg	A	13, 39, 40, 52, 53, 85, 103, 148
	Aluminum, molten	9	NA9260	III	9	A19, N40, W32, IB3, T1, TP3	None	211	242	Forbidden	15 kg	E	13, 148
D							None	None	247	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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
G	Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s.	8	UN2735	I	8	B10, N34, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	52
G	Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	I	8	B2, IB2, T11, TP1, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	154	202	242	1 L	30 L	A	52
							154	203	241	5 L	60 L	A	52
							None	211	242	1 kg	25 kg	A	52
G	2-Amino-4-chlorophenol 2-Amino-5-diethylaminopentane 2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass	6.1	UN2673 UN2946 UN3317	II III III I	8 6.1 6.1 4.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33 IB3, T4, TP1 23, A8, A19, A20, N41, W31	154	212	240	15 kg	50 kg	A	52
							154	213	240	25 kg	100 kg	A	52
							153	212	242	25 kg	100 kg	A	52
							155	203	241	60 L	220 L	A	28, 36
+	2-(2-Aminoethoxy) ethanol N-Aminoethylpiperazine	8 8	UN3055 UN2815	III III	8 8, 6.1	IB3, T4, TP1 IB3, T4, TP1	154	203	241	5 L	60 L	A	12, 25, 40
							154	203	241	5 L	60 L	B	40
							153	213	240	100 kg	200 kg	A	
I	Aminophenols (o-; m-; p-) Aminopropylidethanolamine, see Amines, etc n-Aminopropylmorpholine, see Amines, etc Aminopyridines (o-; m-; p-)	6.1	UN2671	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 25, 40, 52, 57
							None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia, anhydrous Ammonia, anhydrous Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 35 percent but not more than 50 percent ammonia	2.3 2.2 2.2	UN1005 UN1005 UN2073	..... ..... 2.2	2-3, 8 2.2 2.2	4, 379, N87, T50 13, 379, T50 N87	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
							None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
							306	304	314, 315	Forbidden	150 kg	E	40, 52, 57

I	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	8	UN2672	III	8	336, IB3, IP8, T7, TP2	154	203	241	5L	60L	A	40, 52, 85
	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.3	UN3318		2.3, 8	4, N87, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.2	UN3318		2.2	13, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
	Ammonium arsenate	6.1	UN1546	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53
	Ammonium azide	Forbidden											
	Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid												
	Ammonium bifluoride solution, see Ammonium hydrogen difluoride, solution												
	Ammonium bromate	Forbidden											
	Ammonium chlorate	Forbidden											
	Ammonium dichromate	5.1	UN1439	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	52
	Ammonium dinitro-o-cresolate, solid	6.1	UN1843	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	36, 65, 66, 77
	Ammonium dinitro-o-cresolate solution	6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	36, 66, 78, 91
	Ammonium fluoride	6.1	UN2505	III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	36, 66, 78, 91
	Ammonium fluorosilicate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Ammonium fulminate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Ammonium hydrogen sulfate	8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
	Ammonium hydrogen difluoride, solid	8	UN1727	II	8	IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
	Ammonium hydrogendifluoride, solution	8	UN2817	II	8, 6.1	IB2, N34, T8, TP2, TP13	154	202	243	1 L	30 L	B	40
	Ammonium hydrosulfide, solution, see Ammonium sulfide solution			III	8, 6.1	IB3, N3, T4, TP1, TP13	154	203	241	5 L	60 L	B	40, 95
D	Ammonium hydroxide, see Ammonia solutions, etc	6.1	UN2859	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
	Ammonium metavanadate	5.1	UN2067	III	5.1	52, 148, 150, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	25, 59, 60, 66, 117, 124*

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
A W	Ammonium nitrate based fertilizer Ammonium nitrate emulsion or Am-monium nitrate suspension or Am-monium nitrate gel, inter-mediate for blasting explosives Ammonium nitrate-fuel oil mixture containing only prilled ammonium nitrate and fuel oil	9	UN2071	III	9	132, IB8, IP3	155	213	240	200 kg	200 kg	A	25, 59, 60, 66, 124	
		5.1	UN3375	II	5.1	147, 148, 163, IB2, IP16	None	231	251	Forbidden	Forbidden	D		
D	Ammonium nitrate, liquid (not con-centrated solution) Ammonium nitrate, with more than 0.2 percent combustible sub-stances, including any organic substance calculated as carbon, to the exclusion of any other added substance Ammonium nitrate, with not more than 0.2% combustible sub-stances, including any organic substance calculated as carbon, to the exclusion of any other added substance Ammonium nitrite Ammonium perchlorate Ammonium perchlorate Ammonium permanganate Ammonium persulfate Ammonium picrate, dry or wetted with less than 10 percent water, by mass Ammonium picrate, wetted with not less than 10 percent water, by mass	1.5D	NA0331	.....	1.5D	148	None	62	None	Forbidden	Forbidden	03	25, 19E
		5.1	UN2426	.....	5.1	148, B5, T7	None	None	243	Forbidden	Forbidden	D	59, 60, 124
		1.1D	UN0222	1.1D	370	None	62	None	None	Forbidden	Forbidden	04	25, 19E
		5.1	UN1942	III	5.1	148, A1, A29, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 59, 60, 66, 116, 124	
	Forbidden Ammonium perchlorate Ammonium perchlorate Ammonium permanganate Ammonium persulfate Ammonium picrate, dry or wetted with less than 10 percent water, by mass Ammonium picrate, wetted with not less than 10 percent water, by mass	Forbidden	UN0402	.....	1.1D	107	None	62	None	Forbidden	Forbidden	04	25, 19E
		5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	E	58, 69	
		Forbidden	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 5E, 19E	
		1.1D	UN0004	1.1D	None	62	None	None	Forbidden	Forbidden	04	25, 5E, 19E
		4.1	UN1310	I	4.1	23, A2, N41, W31	None	211	None	0.5 kg	0.5 kg	D	28, 36	

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Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 25, 40, 52
Ammonium polyvanadate	6.1	UN2861	III	8, 6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 25, 40, 52
Ammonium silicofluoride, see Ammonium fluorosilicate												
Ammonium sulfide solution	8	UN2883	II	8, 6.1, 3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
Ammunition, blank, see Cartridges for weapons, blank												
Ammunition, illuminating, with or without burster, expelling charge or propelling charge	1.2G	UN0171	.....	1.2G	.....	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, illuminating, with or without burster, expelling charge or propelling charge	1.3G	UN0254	.....	1.3G	.....	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, illuminating, with or without burster, expelling charge or propelling charge	1.4G	UN0297	.....	1.4G	.....	.....	62	62	Forbidden	75 kg	02	25
Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.3J	UN0247	.....	1.3J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.												
Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.2H	UN0243	.....	1.2H	.....	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.3H	UN0244	.....	1.3H	.....	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.2G	UN0009	.....	1.2G	.....	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.3G	UN0010	.....	1.3G	.....	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.4G	UN0300	.....	1.4G	.....	.....	62	62	Forbidden	75 kg	02	25
Ammunition, incendiary with or without burster, expelling charge or propelling charge	1.4G	UN0362	.....	1.4G	.....	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.3G	UN0488	.....	1.3G	.....	.....	62	62	Forbidden	Forbidden	03	25

§ 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)	Ammunition, proof <i>Ammunition, rocket, see Warheads, rocket etc</i> Ammunition, SA (small arms), see Cartridges for weapons, etc Ammunition, smoke (water-acti-vated contrivances), white phos-phorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248) Ammunition, smoke (water-acti-vated contrivances) without white phosphorus or phosphides, with burster, expelling charge or pro-pelling charge, see Contrivances, water-activated, etc. (UN 0249) Ammunition smoke, white phos-phorus with burster, expelling charge, or propelling charge	1.4G	UN0363	.....	1.4G	.....	62	62	62	Forbidden	75 kg	02	25
		1.2H	UN0245	.....	1.2H	.....	62	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
		1.3H	UN0246	.....	1.3H	.....	62	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
		1.2G	UN0015	.....	1.2G	.....	62	62	62	Forbidden	Forbidden	03	25, 17E
		1.3G	UN0016	.....	1.3G	.....	62	62	62	Forbidden	Forbidden	03	25, 17E
		1.4G	UN0303	.....	1.4G	.....	62	62	62	Forbidden	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	.....	None	212	None	Forbidden	50 kg	E	13, 40
Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	1.2G	UN0018	.....	1.2G, 8	.....	.....	62	62	Forbidden	Forbidden	03	25, 17E
Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	.....	1.3G, 8	.....	.....	62	62	Forbidden	Forbidden	03	25, 17E
Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	.....	1.4G, 8	.....	.....	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
Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc	1.2K	UN0020	.....	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	.....	1.3K, 6.1	.....	.....	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Amyl acetates	3	UN1104	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Amyl acid phosphate	8	UN2819	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
Amyl butyrates	3	UN2620	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Amyl chloride	3	UN1107	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Amyl formates	3	UN1109	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Amyl mercaptan	3	UN1111	II	3	A3, IB2, T4, TP1	None	202	242	5 L	60 L	B	95, 102
n-Amyl methyl ketone	3	UN1110	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Amyl nitrate	3	UN1112	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Amyl nitrite	3	UN1113	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
Amylamines	3	UN1106	III	3, 8	B1, IB3, T4, TP1	150	202	243	1 L	5 L	B	40
Amyltrichlorosilane	8	UN1728	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Anhydrous ammonia, see Ammonia, anhydrous												
Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous												
Aniline	6.1	UN1547	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40, 52

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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	
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
G	Aniline hydrochloride	6.1	UN1548	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	<i>Aniline oil</i> , see Aniline													
	Anisidines	6.1	UN2431	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Anisole	3	UN2222	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Anisoyl chloride	8	UN1729	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40	
	<i>Anti-freeze, liquid</i> , see Flammable liquids, n.o.s.													
	<i>Antimonous chloride</i> , see Antimony trichloride													
	Antimony compounds, inorganic, liquid, n.o.s.	6.1	UN3141	III	6.1	35, IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A		
	Antimony compounds, inorganic, solid, n.o.s.	6.1	UN1549	III	6.1	35, IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Antimony lactate	6.1	UN1550	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Antimony pentachloride, liquid	8	UN1730	II	8	B2, IB2, T7, TP2	None	202	242	1 L	30 L	C	40	
	Antimony pentachloride, solutions	8	UN1731	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40	
	Antimony pentafluoride	8	UN1732	II	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	C	40	
						A3, A7, A10, IB2, N3, N36, T7, TP2	None	202	243	Forbidden	30 L	D	40, 44, 89, 100, 141	
Antimony potassium tartrate	6.1	UN1551	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
Antimony powder	6.1	UN2871	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
<i>Antimony sulfide and a chlorate, mixtures of</i>	Forbidden													
<i>Antimony sulfide, solid</i> , see Antimony compounds, inorganic, n.o.s.														
Antimony trichloride, liquid	8	UN1733	II	8	B2, IB2	154	202	242	1 L	30 L	C	40		
Antimony trichloride, solid	8	UN1733	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40		
<i>Aqua ammonia</i> , see Ammonia solution, etc														
Argon, compressed	2.2	UN1006			2.2		306, 307	302	314, 315	75 kg	150 kg	A		
Argon, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1951			2.2	T75, TP5	320	316	318	50 kg	500 kg	D		
Arsenic	6.1	UN1558	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			

G	Arsenic acid, liquid	6.1	UN1553	I	6.1	T20, TP2, TP7, TP13, W31	None	201	243	1 L	30 L	B	46
	Arsenic acid, solid	6.1	UN1554	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 25,
	Arsenic bromide	6.1	UN1555	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Arsenic chloride, see Arsenic tri-chloride												
	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
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 137
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40, 137
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	137
	Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s	6.1	UN1557	I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	137
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Arsenic pentoxide	6.1	UN1559	Forbiddn										
Arsenic sulfide and a chlorate, mixtures of	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn		B	40
Arsenic trichloride	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Arsenic trioxide													
Arsenic, white, solid, see Arsenic trioxide													
Arsenical dust	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2760	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		
			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B		
			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B		
Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2993	III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A		
			I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B		
			II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B		
			III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A		
			I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A		
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
Arsenical pesticides, solid, toxic	6.1	UN2759	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	100 kg	200 kg	A		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
	<i>Arsenious acid, solid, see Arsenic trioxide</i>														
	<i>Arsenious and mercuric iodide solution, see Arsenic compounds, liq-uid, n.o.s.</i>														
	Arsine	2.3	UN2188	.....	2.3, 2.1	1	None	192	2.45	Forbidden	Forbidden	Forbidden	D	40
	Arsine, adsorbed	2.3	UN3522	.....	2.3, 2.1	1	None	302c	None	Forbidden	Forbidden	Forbidden	D	
	Articles, explosive, extremely insen-sitive or Articles, EEI	1.6N	UN0486	.....	1.6N	.....	None	62	None	Forbidden	Forbidden	Forbidden	03	25
G	Articles, explosive, n.o.s.	1.4S	UN0349	.....	1.4S	101, 148, 382	None	62	None	25 kg	100 kg	Forbidden	01	25
G	Articles, explosive, n.o.s.	1.4B	UN0350	.....	1.4B	101	None	62	None	Forbidden	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s.	1.4C	UN0351	.....	1.4C	101	None	62	None	Forbidden	75 kg	Forbidden	02	25
G	Articles, explosive, n.o.s.	1.4D	UN0352	.....	1.4D	101	None	62	None	Forbidden	75 kg	Forbidden	02	25
G	Articles, explosive, n.o.s.	1.4G	UN0353	.....	1.4G	101	None	62	None	Forbidden	75 kg	Forbidden	02	25
G	Articles, explosive, n.o.s.	1.1L	UN0354	.....	1.1L	101	None	62	None	Forbidden	Forbidden	Forbidden	02	25, 14E, 15E
G	Articles, explosive, n.o.s.	1.2L	UN0355	.....	1.2L	101	None	62	None	Forbidden	Forbidden	Forbidden	05	15E, 14E, 15E
G	Articles, explosive, n.o.s.	1.3L	UN0356	.....	1.3L	101	None	62	None	Forbidden	Forbidden	Forbidden	05	25, 14E, 15E
G	Articles, explosive, n.o.s.	1.1C	UN0462	.....	1.1C	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.1D	UN0463	.....	1.1D	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.1E	UN0464	.....	1.1E	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.1F	UN0465	.....	1.1F	101	None	62	None	Forbidden	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s.	1.2C	UN0466	.....	1.2C	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.2D	UN0467	.....	1.2D	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.2E	UN0468	.....	1.2E	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.2F	UN0469	.....	1.2F	101	None	62	None	Forbidden	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s.	1.3C	UN0470	.....	1.3C	101	None	62	None	Forbidden	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.4E	UN0471	.....	1.4E	101	None	62	None	Forbidden	75 kg	Forbidden	03	25
G	Articles, explosive, n.o.s.	1.4F	UN0472	1.4F	101	None	62	None	Forbidden	Forbidden	Forbidden	05	25	

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	2.2	UN3164	2.2	371	306	302, 304	None	No limit	No limit	A	
Articles, pressurized pneumatic or hydraulic containing non-flammable gas	1.2L	UN0380	1.2L	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E, 25
Articles, pyrophoric	1.1G	UN0428	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
Articles, pyrotechnic for technical purposes	1.2G	UN0429	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
Articles, pyrotechnic for technical purposes	1.3G	UN0430	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Articles, pyrotechnic for technical purposes	1.4G	UN0431	.....	1.4G	381	None	62	None	Forbidden	75 kg	02	25
Articles, pyrotechnic for technical purposes	1.4S	UN0432	.....	1.4S	.....	None	62	None	Forbidden	100 kg	01	25
Asbestos	9	NA2212	III	9	156, IB8, IP2, IP4	155	216	216, 240	Forbidden	200 kg	A	34, 40
Asbestos, amphibole amosite, tremolite, actinolite, anthophyllite, or crocidolite	9	UN2212	II	9	156, IB8, IP2, IP4, T3, TP33	155	216	216, 240	Forbidden	Forbidden	A	34, 40
Asbestos, chrysotile	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	216, 240	Forbidden	200 kg	A	34, 40
Ascaridole (organic peroxide)	Forbidden											
Asphalt, at or above its flash point	3	NA1999	III	3	IB3, T1, TP3	150	203	247	Forbidden	Forbidden	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												
Aviation regulated liquid, n.o.s	9	UN3334	.....	9	A35, A189	155	204		450 L	450 L	A	
Aviation regulated solid, n.o.s	9	UN3335	.....	9	A35	155	204		400 kg	400 kg	A	
Azauric acid (salt oil) (dry)	Forbidden											
Azido guanidine picrate (dry)	Forbidden											
5-Azido-1-hydroxy tetrazole	Forbidden											
Azido hydroxy tetrazole (mercury and silver salts)	Forbidden											
3-Azido-1,2-Propylene glycol dinitrate	Forbidden											
Azodifluorocarbonic acid	Forbidden											
Azidoethyl nitrate	Forbidden											
1-Azidodiphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution												
Azodicarbonamide	4.1	UN3242	II	4.1	38, IB8, T3, TP33	151	223	240	Forbidden	Forbidden	D	2, 52, 53, 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)	
G	Azotetrazole (dry)	Forbidden 4.3	UN1400	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148	
	Barium	Forbidden 4.2	UN1854	I	4.2	T21, TP7, TP33, W31	None	181	None	Forbidden	Forbidden	D	13, 148	
	Barium azide, dry or wetted with less than 50 percent water, by mass	Forbidden 1.1A	UN0224	.....	1.1A, 6.1	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Barium azide, wetted with not less than 50 percent water, by mass	Forbidden 4.1	UN1571	I	4.1, 6.1	162, A2, W31	None	182	None	Forbidden	0.5 kg	D	28, 36	
	Barium bromate	Forbidden 5.1	UN2719	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Barium chlorate, solid	Forbidden 5.1	UN1445	II	5.1, 6.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Barium chlorate, solution	Forbidden 5.1	UN3405	II	5.1, 6.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133	
	Barium compounds, n.o.s	Forbidden 6.1	UN1564	III	5.1, 6.1	A9, IB2, N34, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133	
	Barium cyanide	Forbidden 6.1	UN1565	I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52	
	Barium hypochlorite with more than 22 percent available chlorine	Forbidden 5.1	UN2741	II	5.1, 6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	A	40, 52	
	Barium nitrate	Forbidden 5.1	UN1446	II	5.1, 6.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	B	4, 52, 56, 58, 106	
	Barium oxide	Forbidden 6.1	UN1884	III	6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Barium perchlorate, solid	Forbidden 5.1	UN1447	II	5.1, 6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	56, 58, 133	
	Barium perchlorate, solution	Forbidden 5.1	UN3406	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 133	
	Barium permanganate	Forbidden 5.1	UN1448	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133	
Barium peroxide	Forbidden 5.1	UN1449	II	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133		
		Forbidden 5.1	UN1449	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138	
		Forbidden 6.1			6.1	A9, IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Benzoquinone	6.1	UN2587	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Benzotrifluoride	8	UN2226	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	Benzotrifluoride	3	UN2338	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Benzoxdiazoles (dry)</i>	Forbidden											
	<i>Benzoyl azide</i>	Forbidden											
	Benzoyl chloride	8	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	C	40
	Benzoyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	Benzyl chloride <i>unstabilized</i>	6.1	UN1738	II	6.1, 8	A3, A7, B8, B11, IB2, N33, N34, N43, T8, TP2, TP13	153	202	243	1 L	30 L	D	13, 40
	Benzyl chloroformate	8	UN1739	I	8	B4, N41, T10, TP2, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	12, 40
	Benzylidimethylamine	8	UN2619	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	25, 40
	Benzylidene chloride	6.1	UN1886	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	Beryllium compounds, n.o.s	6.1	UN1566	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Beryllium nitrate	5.1	UN2464	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Beryllium nitrate	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33, W100	153	212	242	15 kg	50 kg	A	13, 147, 148, 25	
Bicyclo [2,2,1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized	3	UN2251	II	3	387, IB2, T7, TP2	150	202	242	5 L	60 L	D	25	
Biological substance, Category B	6.2	UN3373				A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40
<i>Biphenyl triazone</i>	Forbidden												
Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2782	I	3, 6.1	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
Bipyridilium pesticides, liquid, toxic	6.1	UN3016	II	6.1	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Bipyridilium pesticides, liquid, toxic	6.1	UN3016	I	6.1	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Bipyridilium pesticides, liquid, toxic	6.1	UN3016	II	6.1	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40

Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3015	III	I	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
Bipyridilium pesticides, solid, toxic	6.1	UN2781	III	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	21, 40
<i>Bis</i> (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.													
Bisulfate, aqueous solution	8	UN2837	II	8	6.1, 3	B1, IB3, T7, TP2, TP28 TP27	153	203	242	60 L	220 L	A	21, 40
Bisulfites, aqueous solutions, n.o.s.	8	UN2893	III	8	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Black powder, compressed or Gunpowder, in pellets or Gunpowder, in pellets	1.1D	UN0028	.....	1.1D	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153	212 213	242 240	25 kg 100 kg	100 kg 200 kg	A A	40 40
Black powder or Gunpowder, granular or as a meal	1.1D	UN0027	.....	1.1D	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	
Black powder for small arms	4.1	NA0027	I	4.1	8	A7, IB3, N34, T4, TP1 IB3, T7, TP1, TP28	154 154 None	203 203 62	241 None	5 L 5 L Forbidden	60 L 60 L Forbidden	A A O4	40, 52 25
Blasting agent, n.o.s., see Explosives, blasting etc													
Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting													
Blasting caps, electric, see Detonators, electric for blasting													
Blasting caps, non-electric, see Detonators, non-electric, for blasting													
Bleaching powder, see Calcium hypochlorite mixtures, etc													
Bombs, photo-flash	1.1F	UN0037	.....	1.1F	1.1F	.....	None	62	None	Forbidden	Forbidden	O5	25
Bombs, photo-flash	1.1D	UN0038	.....	1.1D	1.1D	.....		62	62	Forbidden	Forbidden	O4	25
Bombs, photo-flash	1.2G	UN0039	.....	1.2G	1.2G	.....		62	62	Forbidden	Forbidden	O3	25
Bombs, photo-flash	1.3G	UN0299	.....	1.3G	1.3G	.....		62	62	Forbidden	Forbidden	O3	25
Bombs, smoke, non-explosive, with corrosive liquid, without initiating device	8	UN2028	II	8	8	.....	None	160	None	Forbidden	50 kg	E	40
Bombs, with bursting charge	1.1F	UN0033	.....	1.1F	1.1F	.....		62	None	Forbidden	Forbidden	O5	25
Bombs, with bursting charge	1.1D	UN0034	.....	1.1D	1.1D	.....		62	62	Forbidden	Forbidden	O4	25
Bombs, with bursting charge	1.2D	UN0035	.....	1.2D	1.2D	.....		62	62	Forbidden	Forbidden	O4	25
Bombs, with bursting charge	1.2F	UN0291	.....	1.2F	1.2F	.....		62	None	Forbidden	Forbidden	O5	25
Bombs with flammable liquid, with bursting charge	1.1J	UN0399	.....	1.1J	1.1J	.....		62	None	Forbidden	Forbidden	O5	25, 23E
Bombs with flammable liquid, with bursting charge	1.2J	UN0400	.....	1.2J	1.2J	.....		62	None	Forbidden	Forbidden	O5	25, 23E
Boosters with detonator	1.1B	UN0225	1.1B	1.1B	None	62	None	Forbidden	Forbidden	O5	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	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)	
+	Boosters with detonator	1.2B	UN0268	.....	1.2B	.....	None	62	None	Forbidden	Forbidden	05	25
	Boosters, without detonator	1.1D	UN0042	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Boosters, without detonator	1.2D	UN0283	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	04	25
	Borate and chlorate mixtures, see Chlorate and borate mixtures													
	Borneol	4.1	UN1312	III	4.1	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	12, 25
	Boron tribromide	8	UN2692	I	8, 6.1	8, 6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	
	Boron trichloride	2.3	UN1741	2.3, 8	2.3, 8	3, B9, B14	None	304	314	Forbidden	Forbidden	D	25, 40
	Boron trifluoride	2.3	UN1008	2.3, 8	2.3, 8	2, 238, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Boron trifluoride acetic acid complex, liquid	8	UN1742	II	8	8	B2, B6, IB2, T8, TP2	154	202	242	1 L	30 L	A	
	Boron trifluoride acetic acid complex, solid	8	UN3419	II	8	8	B2, B6, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Boron trifluoride, adsorbed	2.3	UN3519	2.3, 8	2.3, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
	Boron trifluoride diethyl etherate	8	UN2604	I	8, 3	8, 3	A19, T10, TP2, W31	None	201	243	0.5 L	2.5 L	D	40
Boron trifluoride dihydrate	8	UN2851	II	8	8	IB2, T7, TP2	154	212	240	15 kg	50 kg	B	12, 25, 40	
Boron trifluoride dimethyl etherate	4.3	UN2965	I	4.3, 8, 3	4.3, 8, 3	A19, T10, TP2, TP7, TP13, W31	None	201	243	Forbidden	1 L	D	21, 25, 40, 49, 100	
G	Boron trifluoride propionic acid complex, liquid	8	UN1743	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	A		
	Boron trifluoride propionic acid complex, solid	8	UN3420	II	8	B2, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A		
	Box toe gum, see Nitrocellulose etc	5.1	UN3213	II	5.1	350, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133	
	Bromates, inorganic, aqueous solution, n.o.s	5.1	UN1450	III	5.1	350, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133	
+	Bromates, inorganic, n.o.s	5.1	UN1450	II	5.1	350, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Bromine	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 azide	Forbiddén	UN2901	2, 3, 8, 5.1	2, B9, B14, N86	None	304	314, 315	Forbiddén	D	40, 89, 90
Bromine chloride	5.1	UN1745	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	228	244	Forbiddén	D	25, 40, 66, 90
Bromine pentafluoride	8	UN1744	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbiddén	D	12, 25, 40, 66, 74, 89, 90
Bromine solutions	8	UN1744	8, 6.1	2, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	227	249	Forbiddén	D	12, 25, 40, 66, 74, 89, 90
Bromine trifluoride	5.1	UN1746	5.1, 6.1, 8	2, B9, B14, B32, T22, TP2, TP13, TP38, TP45	None	228	244	Forbiddén	D	25, 40, 66, 90
4-Bromo-1,2-dinitrobenzene	Forbiddén									
4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C)	Forbiddén									
1-Bromo-3-chloropropane	6.1	UN2688	6.1	IB3, T4, TP1	153	203	241	60 L	A	
1-Bromo-3-methylbutane	3	UN2341	3	B1, IB3, T2, TP1	150	203	242	60 L	A	
1-Bromo-3-nitrobenzene (unstable at 56 degrees C)	Forbiddén									
2-Bromo-2-nitropropane-1,3-diol	4.1	UN3241	4.1	46, IB8, IP3	151	213	None	25 kg	C	12, 25, 40
Bromoacetic acid, solid	8	UN3425	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	A	
Bromoacetic acid solution	8	UN1938	8	A7, B2, IB2, T7, TP2	154	202	242	1 L	A	40
Bromoacetone	6.1	UN1569	6.1, 3	B2, IB3, T7, TP2	154	203	241	5 L	A	40
Bromoacetyl bromide	8	UN2513	8	2, T20, TP2, TP13	None	193	245	Forbiddén	D	40
Bromobenzene	3	UN2514	3	B2, IB2, T8, TP2	154	202	242	1 L	C	40, 53
Bromobenzyl cyanides, liquid	6.1	UN1694	6.1	B1, IB3, T2, TP1	150	203	242	60 L	A	
Bromobenzyl cyanides, solid	6.1	UN3449	6.1	T14, TP2, TP13, W31	None	201	243	Forbiddén	D	12, 25, 40, 52
1-Bromobutane	3	UN1126	3	T6, TP33, W31	None	211	242	5 kg	D	12, 25, 40, 52
2-Bromobutane	3	UN2339	3	IB2, T4, TP1	150	202	242	5 L	B	40
Bromochloromethane	6.1	UN1887	6.1	B1, IB2, T4, TP1	153	203	241	5 L	B	40
2-Bromoethyl ethyl ether	3	UN2340	3	IB3, T4, TP1	150	202	242	60 L	A	
Bromoform	6.1	UN2515	6.1	IB3, T4, TP1	153	203	241	5 L	B	40
Bromomethylpropanes	3	UN2342	3	IB2, T4, TP1	150	202	242	60 L	A	12, 25, 40
2-Bromopentane	3	UN2343	3	IB2, T4, TP1	150	202	242	5 L	B	40
Bromopropanes	3	UN2344	3	IB2, T4, TP1	150	202	242	5 L	B	40
3-Bromopropyne	3	UN2345	3	IB3, T2, TP1	150	203	242	60 L	A	
Bromosilane	Forbiddén									

§ 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)
	Bromotoluene-alpha, see Benzyl bromide	2.1	UN2419		2.1		None	304	314, 315	Forbidden	150 kg	B	40
	Bromotrifluoroethylene	2.2	UN1009		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Bromotrifluoromethane or Refrigerant gas, R 13B1.	6.1	UN1570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	25
	Bursters, explosive stabilized	1.1D	UN0043	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 40
	Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes	2.1	UN1010	.....	2.1	..... 387, T50	306	304	314, 315	Forbidden	150 kg	B	
	Butane see also Petroleum gases, liquefied	2.1	UN1011		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
	Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams, see Receptacles, etc												
	Butanedione	3	UN2346	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	1,2,4-Butanetriol trinitrate	Forbidden	UN1120	III	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	Butanols	3	UN1120	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	tert-Butoxycarbonyl azide	Forbidden	UN1123	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Butyl acetates	3	UN1123	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl acid phosphate	8	UN1718	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Butyl acrylates, stabilized	3	UN2348	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	Butyl alcohols, see Butanols												
	Butyl benzenes	3	UN2709	III	3	B1, IB3, T2, TP2	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	Forbidden	Forbidden	A	12, 13, 21, 25, 40, 100
	Butyl ethers, see Dibutyl ethers												
	Butyl ethyl ether, see Ethyl butyl ether												

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Placard	Other
UN1128	n-Butyl formate	3	Forbidden		II	3			150
UN3255	tert-Butyl hydroperoxide, with more than 90 percent with water	4.2	8		I	4.2, 8			None
UN2690	tert-Butyl hypochlorite	6.1			II	6.1			153
UN2484	N-n-Butyl imidazole	6.1			I	6.1, 3			None
UN2485	tert-Butyl isocyanate	6.1			I	6.1, 3			None
UN2347	Butyl mercaptan	3			II	3			150
UN2227	n-Butyl methacrylate, stabilized	3			III	3			150
UN2350	Butyl methyl ether	3			II	3			150
UN2351	Butyl nitrites	3			I	3			150
					II	3			150
					III	3			150
	tert-Butyl peroxyacetate, with more than 76 percent in solution	Forbidden							
	n-Butyl peroxydicarbonate, with more than 52 percent in solution	Forbidden							
	tert-Butyl peroxyisobutyrate, with more than 77 percent in solution	Forbidden							
	Butyl phosphoric acid, see Butyl acid phosphates								
UN1914	5-tert-Butyl-2,4,6-trinitro-m-xylene or Butyl propionate	3			III	3			150
UN2956	Musk xylene	4.1			III	4.1			None
UN2352	Butyl vinyl ether, stabilized	3			II	3			150
UN1125	n-Butylamine	3			II	3, 8			150
UN2738	N-Butylamine	6.1			II	6.1			153
UN2747	tert-Butylcyclohexylchloroformate	6.1			III	6.1			153
UN1012	Butylene, see also Petroleum gases, liquefied	2.1				2.1			306
UN3022	1,2-Butylene oxide, stabilized	3			II	3			150
UN2667	Butyltoluenes	6.1			III	6.1			153
UN1747	Butyltrichlorosilane	8			II	8, 3			None
UN2716	1,4-Butylenediol	6.1			III	6.1			None
UN1129	Butyraldehyde	3			II	3			150
UN2840	Butyraldoxime	3			III	3			150
UN2820	Butyric acid	8			III	8			154
UN2739	Butyric anhydride	8			III	8			154
UN2411	Butyronitrile	3			II	3, 6.1			150
UN2353	Butyryl chloride	3			II	3, 8			150
UN1572	Cacodylic acid	6.1			II	6.1			153
UN2570	Cadmium compounds	6.1			I	6.1			None

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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)
	Caesium hydroxide	8	UN2682	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Caesium hydroxide solution	8	UN2681	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Calcium	4.3	UN1401	II	4.3	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52.
	Calcium arsenate	6.1	UN1573	II	6.1	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	29, 52
	Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	29, 52
	Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.					IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
	Calcium carbide	4.3	UN1402	I	4.3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Calcium chlorate	5.1	UN1452	II	5.1	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33, W32	None	211	242	Forbidden	15 kg	B	13, 52, 148
	Calcium chlorate aqueous solution	5.1	UN2429	II	5.1	A1, A8, B55, B59, IB7, IP2, IP21, N34, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	B	13, 52, 148
	Calcium chlorite	5.1	UN1453	III	5.1	A9, IB8, IP2, IP4, N34, TP33, W31, W40	152	202	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	A2, IB2, N41, T4, TP1	152	203	241	1 L	5 L	B	56, 58, 133
	Calcium cyanide	6.1	UN1575	I	6.1	A2, IB2, N41, T4, TP1	152	212	242	2.5 L	30 L	B	56, 68, 133
	Calcium dithionite or Calcium hydrosulfite	4.2	UN1923	II	4.2	A9, IB8, IP2, IP4, N34, TP33, W31, W40	152	212	242	5 kg	25 kg	A	56, 58
	Calcium hydride	4.3	UN1404	I	4.3	A1, A19, IB8, IP4, T1, TP33, W31, W40	151	213	241	25 kg	100 kg	A	13, 52, 148
	Calcium dithionite, see Calcium dithionite					IB7, IP1, N79, N80, T6, TP33, W31	None	211	242	5 kg	50 kg	A	40, 52
						A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	E	13
						A19, N40, W32	None	211	242	Forbidden	15 kg	E	13, 52, 148

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
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
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, 171, A7, A9, IB8, IP4, IP13, N34, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
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
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
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
Calcium manganese silicoon	4.3	UN2844	III	4.3	A1, A19, IB8, IP4, T1, TP33, W31	151	213	241	25 kg	100 kg	A	13, 52, 85, 103, 148
Calcium nitrate	5.1	UN1454	III	5.1	34, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	.....
Calcium oxide	8	UN1910	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	56, 58
Calcium perchlorate	5.1	UN1455	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Calcium permanganate	5.1	UN1456	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138

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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)
	Cartridges, sporting, see Cartridges for weapons, inert projectile, or Cartridges, small arms												
	Cartridges, flash	1.1G	UN0049	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank	1.3G	UN0050	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Cartridges for weapons, blank	1.1C	UN0326	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.2C	UN0413	.....	1.2C	.....	None	62	None	Forbidden	Forbidden	04	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.3C	UN0327	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.4C	UN0338	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
	Cartridges for weapons, blank or Cartridges, small arms, blank or Cartridges for tools, blank	1.4S	UN0014	.....	None	.....	63	62	None	25 kg	100 kg	01	25
	Cartridges for weapons, inert projectile	1.2C	UN0328	.....	1.2C	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.4S	UN0012	.....	None	.....	63	62	None	25 kg	100 kg	01	25
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.4C	UN0339	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.3C	UN0417	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
	Cartridges for weapons, small arms	1.1F	UN0005	.....	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25
	Cartridges for weapons, with bursting charge	1.1E	UN0006	.....	1.1E	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges for weapons, with bursting charge	1.2F	UN0007	.....	1.2F	.....	None	62	None	Forbidden	Forbidden	05	25
	Cartridges for weapons, with bursting charge	1.2E	UN0321	.....	1.2E	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges for weapons, with bursting charge	1.4F	UN0348	.....	1.4F	.....	None	62	None	Forbidden	Forbidden	05	25
	Cartridges for weapons, with bursting charge	1.4E	UN0412	.....	1.4E	.....	None	62	62	Forbidden	75 kg	03	25
	Cartridges, oil well	1.3C	UN0277	.....	1.3C	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges, oil well	1.4C	UN0278	.....	1.4C	.....	None	62	62	Forbidden	75 kg	02	25
	Cartridges, power device	1.3C	UN0275	.....	1.3C	.....	None	62	62	Forbidden	75 kg	04	25
	Cartridges, power device	1.4C	UN0276	.....	1.4C	.....	None	62	62	Forbidden	75 kg	02	25

D	Cartridges, power device	1.4S	UN0323	.....	1.4S	110, 347	63	62	62	25 kg	01	25
	Cartridges, power device (used to project fastening devices)	1.2C	UN0381	.....	1.2C	.....	None	62	62	100 kg	04	25
D	Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014)	ORM-D		.....	None	222	63	None	None	Forbidden	A	
	Cartridges, safety, see Cartridges for weapons, inert projectile, or Cartridges, small arms or Cartridges, power device (UN 0323)	1.3G	UN0054	.....	1.3G	.....	None	62	None	75 kg	03	25
	Cartridges, signal	1.4G	UN0312	.....	1.4G	.....	None	62	None	75 kg	02	25
	Cartridges, signal	1.4S	UN0405	.....	1.4S	.....	None	62	None	100 kg	01	25
	Cartridges, small arms	ORM-D		.....	None	222	63	None	None	Forbidden	A	
	Cartridges, starter, jet engine, see Cartridges, power device	1.4S	UN0055	.....	1.4S	50	63	62	None	25 kg	01	25
	Cases, cartridge, empty with primer	1.4C	UN0379	.....	1.4C	50	None	62	None	75 kg	02	25
	Cases, cartridge, empty with primer	1.4C	UN0446	.....	1.4C	.....	None	62	None	75 kg	02	25
	Cases, combustible, empty, without primer	1.3C	UN0447	.....	1.3C	.....	None	62	None	Forbidden	04	25
	Casinghead gasoline see Gasoline											
A W	Castor beans or Castor meal or Castor pomace or Castor flake	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33	155	204	240	No limit	E	34, 40, 44, 122
	Catecholborane	8	UN1719	II	8	A210	154	202	242	1 L	A	29, 52
G	Caucstic alkali liquids, n.o.s.	8		III	8	IB3, T7, TP1, TP28	154	203	241	5 L	A	29, 52
	Caucstic potash, see Potassium hydroxide etc											
	Caucstic soda, (etc.) see Sodium hydroxide etc											
	Cells, containing sodium	4.3	UN3292	.....	4.3	.....	189	189	189	25 kg	A	
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	UN2000	III	4.1	420	None	213	240	25 kg	A	
	Celluloid, scrap	4.2	UN2002	III	4.2	IB8, IP3	None	213	241	Forbidden	D	
	Cement, see Adhesives containing flammable liquid											
	Cerium, slabs, ingots, or rods	4.1	UN1333	II	4.1	IB8, IP2, IP4, N34, W100	None	212	240	15 kg	A	13, 74, 91, 147, 148
	Cerium, turnings or gritty powder	4.3	UN3078	II	4.3	A1, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	E	13, 52, 148
	Cesium or Caesium	4.3	UN1407	I	4.3	A7, A19, IB4, IP1, N34, N40, W32	None	211	242	Forbidden	D	13, 52, 148

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
D	Cesium nitrate or Caesium nitrate <i>screenings, wood, etc.</i> Charges, bursting, plastics bonded Charges, bursting, plastics bonded Charges, bursting, plastics bonded Charges, bursting, plastics bonded Charges, demolition Charges, depth Charges, <i>expelling, explosive, for fire extinguishers, see Cartridges, power device</i> Charges, explosive, commercial <i>without detonator</i> Charges, explosive, commercial <i>without detonator</i> Charges, explosive, commercial <i>without detonator</i> Charges, explosive, commercial <i>without detonator</i> Charges, propelling Charges, propelling Charges, propelling Charges, propelling Charges, propelling, for cannon Charges, propelling, for cannon Charges, propelling, for cannon Charges, shaped, flexible, linear Charges, shaped, flexible, linear Charges, shaped, <i>without detonator</i> Charges, shaped, <i>without detonator</i> Charges, shaped, <i>without detonator</i> Charges, supplementary explosive Chemical kit Chemical kits	5.1	UN1451	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	12	
		4.2	NA1361	III	4.2	IB8, T1, TP33	151	213	240	25 kg	100 kg	A	25	
		1.1D	UN0457	.....	1.1D	.....	.....	None	62	None	Forbidden	Forbidden	04	25
		1.2D	UN0458	.....	1.2D	.....	.....	None	62	None	Forbidden	Forbidden	04	25
		1.4D	UN0459	.....	1.4D	.....	.....	None	62	None	Forbidden	75 kg	02	25
		1.4S	UN0460	.....	1.4S	.....	347	None	62	None	25 kg	100 kg	01	25
		1.1D	UN0048	.....	1.1D	.....	.....	None	62	62	Forbidden	Forbidden	04	25
		1.1D	UN0056	.....	1.1D	.....	.....	None	62	62	Forbidden	Forbidden	04	25
		1.1D	UN0442	.....	1.1D	.....	.....	None	62	None	Forbidden	Forbidden	04	25
		1.2D	UN0443	.....	1.2D	.....	.....	None	62	None	Forbidden	Forbidden	04	25
		1.4D	UN0444	.....	1.4D	.....	.....	None	62	None	Forbidden	75 kg	02	25
		1.4S	UN0445	.....	1.4S	.....	347	None	62	None	25 kg	100 kg	01	25
		1.1C	UN0271	.....	1.1C	.....	.....	None	62	None	Forbidden	Forbidden	04	25
		1.3C	UN0272	.....	1.3C	.....	.....	None	62	None	Forbidden	Forbidden	04	25
		1.2C	UN0415	.....	1.2C	.....	.....	None	62	None	Forbidden	Forbidden	04	25
1.4C	UN0491	.....	1.4C	.....	.....	None	62	None	Forbidden	75 kg	02	25		
1.3C	UN0242	.....	1.3C	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
1.1C	UN0279	.....	1.1C	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
1.2C	UN0414	.....	1.2C	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
1.4D	UN0237	.....	1.4D	.....	.....	None	62	None	Forbidden	75 kg	02	25		
1.1D	UN0288	.....	1.1D	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
1.1D	UN0059	.....	1.1D	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
1.2D	UN0439	.....	1.2D	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
1.4D	UN0440	.....	1.4D	.....	.....	None	62	None	Forbidden	75 kg	02	25		
1.4S	UN0441	.....	1.4S	.....	.....	None	62	None	25 kg	100 kg	01	25		
1.1D	UN0060	.....	1.1D	.....	.....	None	62	None	Forbidden	Forbidden	04	25		
8	NA1760	.....	8	II	8	.....	154	161	None	1 L	30 L	B	40	
9	UN3316	.....	9	III	9	.....	15	161	None	10 kg	10 kg	A	40	

G	Chemical under pressure, corrosive, n.o.s	2.2	UN3503	.....	2.2, 8	362, T50, TP40	None	335	313, 315	Forbidden	100 kg	D	40
G	Chemical under pressure, flammable, corrosive, n.o.s	2.1	UN3505	.....	2.1, 8	362, T50, TP40	None	335	313, 315	Forbidden	75 kg	D	40
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	
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												
	Chlorate of soda, see Sodium chlorate												
G	Chlorates, inorganic, aqueous solution, n.o.s	5.1	UN3210	II	5.1	351, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
	Chlorates, inorganic, n.o.s	5.1	UN1461	II	5.1	351, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
G	Chloric acid aqueous solution, with not more than 10 percent chloric acid	5.1	UN2626	II	5.1	351, A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Chloride of phosphorus, see Phosphorus trichloride												
	Chloride of sulfur, see Sulfur chloride												
	Chlorinated lime, see Calcium hypochlorite mixtures, etc												
	Chlorine	2.3	UN1017	2.3, 5.1, 8	2.3, 5.1, 8	2, B9, B14, N86, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90

§ 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)	
	Chlorine, adsorbed	2.3	UN3520	.....	2.3, 5.1, 8	2, B9, B14, N86	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
D	<i>Chlorine azide</i>	Forbidden												
	Chlorine dioxide, hydrate, frozen	5.1	NA9191	II	5.1, 6.1		None	229	None	Forbidden	Forbidden	E		
	<i>Chlorine dioxide (not hydrate)</i>	Forbidden												
	Chlorine pentafluoride	2.3	UN2548		2.3, 5.1, 8	1, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90	
	Chlorine trifluoride	2.3	UN1749		2.3, 5.1, 8	2, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90	
	Chlorite solution	8	UN1908	II	8	A3, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26, 44, 89, 100, 141	
				III	8	A3, A7, B2, IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26, 44, 89, 100, 141	
G	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	
	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	II	6.1	IB2	153	202	243	5 L	60 L	B	40	
	3-Chloro-4-methylphenyl isocyanate, solid	6.1	UN3428	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40	
	1-Chloro-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124	2.2	UN1021		2.2	T50	306	304	314, 315	75 kg	150 kg	A		
	4-Chloro-o-toluidine hydrochloride, solid	6.1	UN1579	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	4-Chloro-o-toluidine hydrochloride, solution	6.1	UN3410	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a	2.2	UN1983		2.2	T50	306	304	314, 315	75 kg	150 kg	A		
	Chloroacetic acid, molten	6.1	UN3250	II	6.1, 8		IB1, T7, TP3, TP28	None	202	243	Forbidden	Forbidden	C	40

Chloroacetic acid, solid	6.1	UN1751	II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	15 kg	50 kg	C	40
Chloroacetic acid, solution	6.1	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
Chloroacetone (unstabilized)	Forbidden											
Chloroacetonitrile	6.1	UN2668	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 25, 40, 52
Chloroacetophenone, liquid, (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	5 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	6.1	IB8, IP2, IP4, T3, TP33	306	212	242	25 kg	100 kg	A	12, 25
Chlorodifluoromethane	2.2	UN1973	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Chlorodifluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoroethane	2.2											
Chlorodifluoroethane 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
Chloroform	6.1	UN1888	III	6.1	IB3, N36, T7, TP2	153	203	241	60 L	220 L	A	40
Chloroformates, toxic, corrosive, flammable, n.o.s.	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
Chloroformates, toxic, corrosive, n.o.s.	6.1	UN3277	II	6.1, 8	IB2, T8, TP2, TP13, TP28	153	202	243	1 L	30 L	A	12, 13, 25, 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)
	Chloromethyl chloroformate	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	3	UN2354	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Chloronitroanilines	6.1	UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	44, 89, 100, 141
+	Chloronitrobenzenes, liquid	6.1	UN3409	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	44, 89, 100, 141
	Chloronitrobenzenes, solid	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	6.1	UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
	Chloronitrotoluenes, solid	6.1	UN3457	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	44, 89, 100, 141
	Chloropentafluoroethane or Refrigerant gas R 115	2.2	UN1020	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	44, 89, 100, 141
	Chlorophenolates, liquid or Phenolates, liquid	8	UN2904	III	8	IB3	154	203	241	5 L	60 L	A	44, 89, 100, 141
	Chlorophenolates, solid or Phenolates, solid	8	UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	44, 89, 100, 141
	Chlorophenols, liquid	6.1	UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
	Chlorophenols, solid	6.1	UN2020	III	6.1	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	44, 89, 100, 141
	Chlorophenyldichlorosilane	8	UN1753	II	8	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40
+	Chloropicrin	6.1	UN1580	I	6.1	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Chloropicrin and methyl bromide mixtures	2.3	UN1581	2.3	2.3	2, B9, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	25, 40
	Chloropicrin and methyl chloride mixtures	2.3	UN1582	2.3	2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
	Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc	6.1	UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
G	Chloropicrin mixtures, n.o.s	6.1	UN1583	II	6.1	IB2	153	202	243	Forbidden	Forbidden	C	40
				III	6.1	IB3	153	203	241	Forbidden	Forbidden	C	40

D	Chloropivaloyl chloride	6.1	NA9263	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45, IB8, IP3, T1, TP33, 387, B57, T14, TP2, TP13	None	227	244	Forbidden	Forbidden	B	40
	Chloropivaloyl chloride	8	UN2507	III	8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45, IB8, IP3, T1, TP33, 387, B57, T14, TP2, TP13	154	213	240	25 kg	100 kg	A	40
	Chloroprene, stabilized	3	UN1991	I	3, 6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45, IB8, IP3, T1, TP33, 387, B57, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	25, 40
	<i>Chloroprene, uninhibited</i>	Forbidden											
	1-Chloropropane	3	UN1278	II	3	IB2, IP8, N34, T7, TP2	None	202	242	Forbidden	60 L	E	8
	2-Chloropropane	3	UN2356	I	3	N36, T11, TP2, TP13	150	201	243	1 L	30 L	E	40
	3-Chloropropane	6.1	UN2849	III	6.1	IB3, T4, TP1	153	203	241	220 L	220 L	A	40
	2-Chloropropanol-1	3	UN2456	I	3	N36, T11, TP2	150	201	243	1 L	30 L	E	8
	2-Chloropropene	3	UN2456	I	3	IB3, T4, TP1	153	203	241	60 L	60 L	A	40
	2-Chloropropionic acid	8	UN2511	III	8	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	2-Chloropyridine	6.1	UN2822	II	6.1	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	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
G	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
G	Chlorosilanes, toxic, corrosive, n.o.s.	6.1	UN3361	II	6.1, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40
	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP13, W31	None	201	244	Forbidden	1 L	D	13, 21, 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	40, 44, 89, 100, 141
	Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40, 44, 89, 100, 141
	Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40, 44, 89, 100, 141
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane	2.2	UN2599	III	2.2		306	304	314, 315	75 kg	150 kg	A	40, 44, 89, 100, 141
	Chlorotrifluoromethane or Refrigerant gas R 13	2.2	UN1022	II	2.2	B2, IB2, T8, TP2	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	40, 44, 89, 100, 141
	Chromic anhydride, see Chromium trioxide, anhydrous												
	Chromic fluoride, solid	8	UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 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	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)
	Chromic fluoride, solution	8	UN1757	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
	Chromium nitrate	5.1	UN2720	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Chromium oxychloride	8	UN1758	I	8	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8	A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90
	Chromosulfuric acid	8	UN2240	I	8	IB8, IP2, IP4, T3, TP33, W31	None	212	242	5 kg	25 kg	A	66, 90
	Chromyl chloride, see Chromium oxychloride Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas. Coal briquettes, hot Coal gas, compressed	Forbiddn 2.3	UN1023		2.3, 2.1	A7, B4, B6, N34, T10, TP2, TP13	3	302	314, 315	Forbiddn	Forbiddn	D	40
	Coal tar distillates, flammable	3	UN1136	II III	3 3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	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. Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	UN1139	I	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Cobalt naphthenates, powder Cobalt resinates, precipitated Coke, hot	4.1 4.1 Forbiddn	UN2001 UN1318	II III III	3 4.1 4.1	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	.....
						149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	.....
						B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
						A19, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	.....
						A1, A19, IB6, T1, TP33	151	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)
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. Inhalation Hazard Zone A	2.3	UN3303	2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone A	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. Inhalation Hazard Zone B	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. Inhalation Hazard Zone C	2.3	UN3303	2.3, 5.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
D	Consumer commodity	ORM-D		None	222	156, 306	156, 306	None	30 kg gross	30 kg gross	A	
G	Consumer commodity	9	ID8000	9		167	167	None	30 kg gross	30 kg gross	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with burster, expelling charge or propelling charge	1.2L	UN0248	1.2L		None	62	None	Forbidden	Forbidden	05	
G	Contrivances, water-activated, with burster, expelling charge or propelling charge	1.3L	UN0249	1.3L		None	62	None	Forbidden	Forbidden	05	
	Copper acetate	6.1	UN1585	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper acetylacrylate	6.1	UN1586	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper amine azide	6.1	UN2776	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	I	UN3010	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, flash point not less than 23 degrees C	III	UN3009	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Copper based pesticides, solid, toxic	I	UN2775	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, solid, toxic	II		6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper chlorate	III		6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	Copper chloride	I	UN2721	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Copper cyanide	II		6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Copper cyanide	III	UN2802	5.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Copper selenate, see Selenates or Selenites	II	UN1587	6.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
		III		8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
		II		6.1	IB8, IP2, IP4, T3, TP33	153	204	242	25 kg	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	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging provisions (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
A W	Copper selenite, see Selenates or Selenites	Forbidden 4.2	UN1363	III	4.2	IB8, IP3, IP7	None	213	Forbidden	Forbidden	A	13, 25, 119	
	Copper tetramine nitrate												
	Copra												
	Cord, detonating, flexible												
	Cord, detonating, flexible												
G	Cord, detonating or Fuse detonating metal clad	1.1D	UN0065	.....	1.1D	102, 148	63(a)	62	Forbidden	Forbidden	04	25
	Cord, detonating or Fuse, deto-nating metal clad	1.4D	UN0289	.....	1.4D	148	None	62	Forbidden	Forbidden	02	25
	Fuse, detonating, mild effect	1.1D	UN0290	.....	1.1D	.....	None	62	Forbidden	Forbidden	04	25
	Fuse, detonating, mild effect	1.4D	UN0104	.....	1.4D	.....	None	62	Forbidden	75 kg	02	25
	Cord, igniter	1.4G	UN0066	.....	1.4G	.....	None	62	Forbidden	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	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
	Corrosive liquid, acidic, organic, n.o.s	8	UN3265	I	8	386, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
	Corrosive liquid, basic, inorganic, n.o.s	8	UN3266	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
Corrosive liquid, basic, organic, n.o.s	8	UN3267	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52	
			II	8	386, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52	
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52	
			I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52	
			II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52	
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52	
			II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52	
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52	

§ 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 W A W A 1 W	Cotton Cotton waste, oily Cotton, wet Coumarin derivative pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C	9 4.2 UN1364 4.2 UN1365 3 UN3024	NA1365 UN1364 UN1365 UN3024	III III I	9 4.2 4.2 3, 6.1	137, IB8, IP2, IP4, W41 IB8, IP3, IP7 IB8, IP3, IP7 T14, TP2, TP13, TP27	None 213 None 204 None 201	None 213 None 204 None 201	None Forbidden Forbidden Forbidden	No limit Forbidden Forbidden Forbidden	A A A B	54 40	
	Coumarin derivative pesticides, liq-uid, toxic	6.1 UN3026	UN3026	I	6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	150 None	202 201	1 L 30 L	60 L 30 L	B B	40 40	
	Coumarin derivative pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C	6.1 UN3025	UN3025	III III I	6.1 6.1 6.1, 3	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 T14, TP2, TP13, TP27	153 153 None	202 203 201	5 L 60 L 1 L	60 L 220 L 30 L	B A B	40 40 40	
	Coumarin derivative pesticides, solid, toxic	6.1 UN3027	UN3027	III I	6.1, 3 6.1	IB2, T11, TP2, TP13, TP27 B1, IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153 153 None	202 203 211	5 L 60 L 5 kg	60 L 220 L 50 kg	B A A	40 40 40	
	Cresols, liquid	6.1 UN2076	UN2076	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	40	
	Cresols, solid	6.1 UN3455	UN3455	III	6.1, 8	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	40	
	Cresylic acid	6.1 UN2022	UN2022	II	6.1, 8	IB2, IP2, IP4, T7, TP2 IB8, IP2, IP4, T3, TP33	153 153	212 212	1 L 15 kg	30 L 50 kg	B B		
	Crotonaldehyde or Crotonaldehyde, stabilized	6.1 UN1143	UN1143	I	6.1, 3	IB2, T7, TP2, TP13 2, 175, 387, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	153 None	202 227	5 L Forbidden	60 L Forbidden	B D	40 25, 40	
	Crotonic acid, liquid	8 UN3472	UN3472	III	8	IB8, T1	154	203	5 L	60 L	A	12, 25	
	Crotonic acid, solid	8 UN2823	UN2823	III	8	IB8, IP3, T1, TP33	154	213	25 kg	100 kg	A	12, 25	
	Crotonylene	3 UN1144	UN1144	I	3	T11, TP2	150	201	1 L	30 L	E		
	Cupriethylenediamine solution	8 UN1761	UN1761	III	8, 6.1	IB2, T7, TP2	154	202	1 L	30 L	A	95	
	Cutters, cable, explosive Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.	1.4S UN0070	UN0070	.....	1.4S	IB3, T7, TP1, TP28	154 None	203 62	5 L 25 kg	60 L 100 kg	A 01	25
G	Cyanide solutions, n.o.s.	6.1 UN1935	UN1935	I	6.1	T14, TP2, TP13, TP27	None	201	1 L	30 L	B	40, 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)
	Cyclonite and octogen mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc</i>												
	Cyclonite, <i>see</i> Cyclotrimethylenetrinitramine, <i>etc</i>												
	Cyclooctadiene phosphines, <i>see</i> 9-Phosphabicyclohexanes												
	Cyclooctadienes	3	UN2520	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Cyclooctatetraene	3	UN2358	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Cyclopentane	3	UN1146	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
	Cyclopentane, <i>methyl</i> , <i>see</i> Methylcyclopentane												
	Cyclopentanol	3	UN2244	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Cyclopentanone	3	UN2245	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Cyclopentene	3	UN2246	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	
	Cyclopropane	2.1	UN1027		2.1	150	306	304	314, 315	Forbidden	150 kg	E	40
	<i>Cyclotetramethylene tetranitramine (dry or unphlegmatized) (HMX)</i>	Forbidden											
	Cyclotetramethylene tetranitramine, desensitized or Octogen, desensitized or HMX, desensitized	1.1D	UN0484	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Cyclotetramethylene tetranitramine, wetted or HMX, wetted or Octogen, wetted with <i>not less than 15 percent water, by mass</i>	1.1D	UN0226	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Cyclotrimethylenetrinitramine and octogen, mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized, <i>etc</i>												
	Cyclotrimethylenetrinitramine and cyclotetramethylene tetranitramine mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc</i>												

Cyclotrimethylenetrinitramine and HMX mixtures, wetted or desensitized, see RDX and HMX mixtures, wetted or desensitized etc	1.1D	UN0483	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized	1.1D	UN0072	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass	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, W31	None	212	None	Forbiddn	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	.....	1.3C	.....	None	62	None	Forbiddn	Forbiddn	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			III	3	172, B1, T7	150	203	242	60 L	220 L	A	
Desensitized explosive, liquid, n.o.s.	3	UN3379	I	3	164	None	201	None	Forbiddn	Forbiddn	D	36
Desensitized explosive, solid, n.o.s.	4.1	UN3380	I	4.1	164	None	211	None	Forbiddn	Forbiddn	D	28, 36
Detonating relays, see Detonators, etc												
Detonator assemblies, non-electric for blasting	1.1B	UN0360	.....	1.1B	.....	None	62	None	Forbiddn	Forbiddn	05	25
Detonator assemblies, non-electric, for blasting	1.4B	UN0361	.....	1.4B	103, 148	63(f), 63(g)	62	None	Forbiddn	75 kg	05	25
Detonator assemblies, non-electric, for blasting	1.4S	UN0500	.....	1.4S	148, 347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
Detonators, electric, for blasting	1.1B	UN0030	.....	1.1B	148	63(f), 63(g)	62	None	Forbiddn	Forbiddn	05	25
Detonators, electric, for blasting	1.4B	UN0255	.....	1.4B	103, 148	63(f), 63(g)	62	None	Forbiddn	75 kg	05	25
Detonators, electric for blasting	1.4S	UN0456	.....	1.4S	148, 347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
Detonators for ammunition	1.1B	UN0073	.....	1.1B	.....	None	62	None	Forbiddn	Forbiddn	05	25
Detonators for ammunition	1.2B	UN0364	.....	1.2B	.....	None	62	None	Forbiddn	Forbiddn	05	25
Detonators for ammunition	1.4B	UN0365	.....	1.4B	103	None	62	None	Forbiddn	75 kg	05	25
Detonators for ammunition	1.4S	UN0366	.....	1.4S	347	None	62	None	25 kg	100 kg	01	25
Detonators, non-electric, for blasting	1.1B	UN0029	.....	1.1B	.....	None	62	None	Forbiddn	Forbiddn	05	25
Detonators, non-electric, for blasting	1.4B	UN0267	1.4B	103	63(f), 63(g)	62	None	Forbiddn	75 kg	05	25

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(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Detonators, non-electric, for blasting	1.4S	UN0455	.....	1.4S	148, 347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
	Deuterium, compressed	2.1	UN1957		2.1	N89	306	302	None	Forbidden	150 kg	E	40
	Devices, small, hydrocarbon gas powered or hydrocarbon gas re-fills for small devices with release device	2.1	UN3150		2.1		306	304	None	1 kg	15 kg	B	40
	Di-n-amyamine	3	UN2841	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Di-n-butyl peroxycarbonate, with more than 52 percent in solution	Forbidden											
	Di-n-butylamine	8	UN2248	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	
	2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in so-lution	Forbidden											
	Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution	Forbidden											
	2,2-Di(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid	Forbidden											
	Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water	Forbidden											
	1,2-Di-(dimethylamino)ethane	3	UN2372	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Di-2-ethylhexyl phosphoric acid, see Disocetyl acid phosphate	Forbidden											
	Di-(1-hydroxytetrazole) (dry)	Forbidden											
	Di-(1-naphthyl) peroxide	Forbidden											
	a,a'-Di-(nitroxy) methyl ether	Forbidden											
	Di-(beta-nitroxyethyl) ammonium ni-trate	Forbidden											
	Diacetone alcohol	3	UN1148	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
		III	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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
D	3,5-Dichloro-2,4,6-trifluoropyridine	6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40
	Dichloroacetic acid	8	UN1764	II	8	A3, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	
	1,3-Dichloroacetone	6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 25, 40
	Dichloroacetyl chloride	8	UN1765	II	8	A3, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40
+	<i>Dichloroacetylene</i>	Forbidden											
	Dichloroanilines, liquid	6.1	UN1590	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Dichloroanilines, solid	6.1	UN3442	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	o-Dichlorobenzene	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	2,2-Dichloroethoxy ether	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	
	Dichlorodifluoromethane	2.2	UN2602	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	difluoroethane azeotropic mixture or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane												
	Dichlorodifluoromethane or Refriger-erant gas R 12	2.2	UN1028	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1, 3		None	201	243	Forbidden	Forbidden	B	40
	1,1-Dichloroethane	3	UN2362	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	1,2-Dichloroethane, see Ethylene dichloride												
	<i>Dichloroethyl sulfide</i>	Forbidden											
	1,2-Dichloroethylene	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	
	Dichlorofluoromethane or Refrig-erant gas R21	2.2	UN1029	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13
	Dichloroisopropyl ether	6.1	UN2490	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	
	Dichloromethane	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	203	241	60 L	220 L	A	
	Dichloropentanes	3	UN1152	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dichlorophenyl isocyanates	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40
	Dichlorophenylchlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	1,2-Dichloropropane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Other
6.1	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202
3	Dichloropropene and propylene dichloride mixture, see 1,2-Dichloropropane	3	UN2047	III	3	IB2, T4, TP1	150	202
2.3	Dichloropropenes	2.3	UN2189	III	2.3, 2.1, 8	B1, IB3, T2, TP1	150	203
2.2	Dichlorosilane	2.2	UN1958	III	2.2	2, B9, B14	None	304
Forbidden	1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114	Forbidden				T50	306	304
8	Dichlorovinylchloroarsine	8	UN2565	III	8	IB3, T4, TP1	154	203
4.1	Dicycloheptadiene, see Bicyclo[2,2,1]hepta-2,5-diene, stabilized	4.1	UN2687	III	4.1	IB8, IP3, T1, TP33	151	213
3	Dicyclohexylammonium nitrate	3	UN2048	III	3	B1, IB3, T2, TP1	150	240
5.1	Didymium nitrate	5.1	UN1465	III	5.1	A1, IB8, IP3, T1, TP33	152	213
3	Diesel fuel	3	NA1993	III	None	144, B1, IB3, T4, TP1	150	240
3	Diesel fuel	3	UN1202	III	3	144, B1, IB3, T2, TP1	150	242
Forbidden	Diethanol nitrosamine dinitrate (dry)	Forbidden						242
3	Diethoxymethane	3	UN2373	II	3	IB2, T4, TP1	150	202
3	3,3-Diethoxypropene	3	UN2374	II	3	IB2, T4, TP1	150	242
3	Diethyl carbonate	3	UN2366	III	3	B1, IB3, T2, TP1	150	242
3	Diethyl cellosolve, see Ethylene glycol diethyl ether	3	UN1155	I	3	T11, TP2	150	201
3	Diethyl ether or Ethyl ether	3	UN1156	II	3	IB2, T4, TP1	150	242
Forbidden	Diethyl ketone	Forbidden						40
6.1	Diethyl peroxycarbonate, with more than 27 percent in solution	6.1	UN1594	II	6.1	IB2, T7, TP2	153	243
3	Diethyl sulfate	3	UN2375	II	3	IB2, T7, TP1, TP13	None	243
3	Diethyl sulfide	3	UN1154	II	3, 8	A3, IB2, N34, T7, TP1	150	202
8	Diethylamine	8	UN2686	II	8, 3	B2, IB2, T7, TP2	None	243
3	2-Diethylaminoethanol	3	UN2684	III	3, 8	B1, IB3, T4, TP1	150	203
6.1	N, N-Diethylaniline	6.1	UN2432	III	6.1	IB3, T4, TP1	153	241
3	Diethylbenzene	3	UN2049	III	3	B1, IB3, T2, TP1	150	203
8	Diethyldichlorosilane	8	UN1767	II	8, 3	A7, B6, N34, T10, TP2, TP7, TP13	None	242
1,1D	Diethylene glycol dinitrate	1,1D	UN0075	.....	1.1D	.....	None	62
8	Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble phlegmatizer, by mass	8	UN2079	II	8	B2, IB2, T7, TP2	154	202
8	Diethylenetriamine	8	UN2685	II	8, 3	IB2, T7, TP2	None	202
Forbidden	N,N-Diethylethylenediamine	Forbidden						243
Forbidden	Diethylgold bromide	Forbidden						243

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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)
	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
	Difluoromethane or Refrigerant gas R 32	2.1	UN3252		2.1	T50	306	302	314, 315	Forbidden	150 kg	D	40
	Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A7, B2, IB2, N5, N34, T8, TP2	None	202	242	1 L	30 L	A	40
	2,3-Dihydropyran	3	UN2376	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>1,8-Dihydroxy-2,4,5,7-tetraaminoquinone (chysammnic acid)</i>	Forbidden											
	<i>Dioacetylene</i>	Forbidden											
	Diisobutyl ketone	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Diisobutylamine	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
	Diisobutylene, isomeric compounds	3	UN2050	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Diisocetyl acid phosphate	8	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Diisopropyl ether	3	UN1159	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	Diisopropylamine	3	UN1158	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	
	<i>Diisopropylbenzene hydroperoxide, with more than 72 percent in solution</i>	Forbidden											
	Diketene, stabilized	6.1	UN2521	I	6.1, 3	2, 387, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	25, 26, 27, 40
	1,2-Dimethoxyethane	3	UN2252	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	1,1-Dimethoxyethane	3	UN2377	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B	
	Dimethyl carbonate	3	UN1161	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Dimethyl chlorophosphate, see Dimethyl thiophosphoryl chloride</i>												
	<i>2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water</i>	Forbidden											

Dimethyl disulfide	3	UN2381	II	3, 6.1	IB2, T7, TP2, TP13, TP39	150	202	242	Forbidden	Forbidden	B	40
Dimethyl ether	2.1	UN1033	II	2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
Dimethyl-N-propylamine	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
Dimethyl sulfate	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Dimethyl sulfide	3	UN1164	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
Dimethyl thiophosphoryl chloride	6.1	UN2267	II	6.1, 8	IB2, T7, TP2	153	202	243	1 L	30 L	B	25
Dimethylamine, anhydrous	2.1	UN1032	II	2.1	N87, T50	None	304	314, 315	Forbidden	150 kg	D	40
Dimethylamine solution	3	UN1160	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52,
2-Dimethylaminoacetone	3	UN2378	II	3, 6.1	IB2, T7, TP1	150	202	243	60 L	60 L	A	40, 52,
2-Dimethylaminoethanol	8	UN2051	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	
2-Dimethylaminoethyl acrylate	6.1	UN3302	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	25
2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
N,N-Dimethylaniline	3	UN2253	II	6.1	IB1, T7, TP2	153	202	243	5 L	60 L	A	
2,3-Dimethylbutane	3	UN2457	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
1, 3-Dimethylbutylamine	3	UN2379	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52,
Dimethylcarbamoyl chloride	8	UN2262	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
Dimethylcyclohexanes	3	UN2263	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
N,N-Dimethylcyclohexylamine	8	UN2264	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40
Dimethyldichlorosilane	3	UN1162	II	3, 8	B77, T10, TP2, TP7, TP13	None	206	243	Forbidden	Forbidden	B	40
Dimethyldiethoxysilane	3	UN2380	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Dimethyldioxanes	3	UN2707	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
N,N-Dimethylformamide (dry)	3	UN2265	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Dimethylhydrazine, symmetrical	6.1	UN2382	I	6.1, 3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Dimethylhydrazine, unsymmetrical	6.1	UN1163	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52, 74,
2,2-Dimethylpropane	2.1	UN2044	II	2.1	IB8, IP2, IP4, T3, TP33	306	304	314, 315	Forbidden	150 kg	E	21, 38, 40, 52, 100,
Dinitro-o-cresol	6.1	UN1598	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
1,3-Dinitro-5,5-dimethyl hydantoin	Forbidden											
Dinitro-7,8-dimethylglycoluril (dry)	Forbidden											
1,3-Dinitro-4,5-dinitrosobenzene	Forbidden											
1,4-Dinitro-1,1,4,4-tetramethylolbutane tetranitrate (dry)	Forbidden											
2,4-Dinitro-1,3,5-trimethylbenzene	6.1	UN1596	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
Dinitroanilines	6.1	UN1597	III	6.1	11, IB2, T7, TP2	153	202	243	5 L	60 L	A	91
Dinitrobenzenes, liquid	6.1	UN1597	III	6.1	11, IB3, T7, TP2	153	203	241	60 L	220 L	A	91

§ 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)
	Dinitrobenzenes, solid <i>Dinitrochlorobenzene, see Chlorodinitrobenzene</i> 1,2-Dinitroethane 1,1-Dinitroethane (dry) Dinitrogen tetroxide	6.1 Forbidden Forbidden 2.3	UN3443 UN1067	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
	Dinitroglucuril or Dingu Dinitromethane Dinitrophenol, dry or wetted with less than 15 percent water, by mass Dinitrophenol solutions	1.1D Forbidden 1.1D	UN0489 UN0076	.....	1.1D, 6.1	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Dinitrophenol, wetted with not less than 15 percent water, by mass Dinitrophenolates alkali metals, dry or wetted with less than 15 percent water, by mass Dinitrophenolates, wetted with not less than 15 percent water, by mass	6.1 4.1 1.3C	UN1599 UN1320 UN0077	II III I	6.1 6.1 4.1, 6.1	IB2, T7, TP2 IB3, T4, TP1 23, A8, A19, A20, N41, W31	153 153 None	202 203 211	243 241 None	5 L 60 L 1 kg	60 L 220 L 15 kg	A A E	36 36 28, 36
	Dinitrophenolates, wetted with not less than 15 percent water, by mass Dinitropropylene glycol Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass	4.1 Forbidden 1.1D	UN1321 UN0078	I	4.1, 6.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	E	28, 36
	2,4-Dinitroresorcinol (heavy metal salts of) (dry) 4,6-Dinitroresorcinol (heavy metal salts of) (dry) Dinitroresorcinol, wetted with not less than 15 percent water, by mass 3,5-Dinitrosalicylic acid (lead salt) (dry) Dinitrosobenzene	Forbidden Forbidden 4.1 Forbidden	UN1322 UN0406	I	4.1	.....	None	211	None	1 kg	15 kg	E	28, 36
		1.3C	UN0406	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corrosive, n.o.s.	8	UN2801	I	8	11, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	
				II	8	11, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A	
				III	8	11, IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	
		6.1	UN1602	I	6.1		None	201	243	1 L	30 L	A	
				II	6.1	IB2	153	202	243	5 L	60 L	A	
				III	6.1	IB3	153	203	241	60 L	220 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	
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
		6.1	UN3143	I	6.1	A5, IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
G	Dynamite, see Explosive, blasting, Type A Electrolyte (acid or alkali) for batteries, see Battery fluid, acid or Battery fluid, alkali	3	UN3256	III	3	IB1, T3, TP3, TP29	None	None	247	Forbidden	Forbidden	A	
	Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point	9	UN3257	III	9		None	None	247	Forbidden	Forbidden	A	85
	Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.)	9	UN3258	III	9		247 (h)(4)	None	247	Forbidden	Forbidden	A	85
	Elevated temperature solid, n.o.s., at or above 240 C, see § 173.247(h)(4)							None	247	Forbidden	Forbidden	A	85

UN3529	2.1	.....	2.1	135, A200	220	220	220	Forbiddn	No limit	E	149
Engine, internal combustion, flammable gas powered or Engine, fuel cell, flammable gas powered or Machinery, internal combustion, flammable gas powered or Machinery, fuel cell, flammable gas powered	3	UN3528	3	135, A200	220	220	220	No limit	No limit	E	
Engine, internal combustion, flammable liquid powered or Engine, fuel cell, flammable liquid powered or Machinery, internal combustion, flammable liquid powered or Machinery, fuel cell, flammable liquid powered	9	UN3530	9	135, A200	220	220	220	No limit	No limit	A	
Environmentally hazardous substance, liquid, n.o.s.	9	UN3082	III	8, 146, 173, 335, IB3, T4, TP1, TP29	155	203	241	No limit	No limit	A	
Environmentally hazardous substance, solid, n.o.s.	9	UN3077	III	8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33	155	213	240	No limit	No limit	A	
Epibromohydrin	6.1	UN2558	I	T14, TP2, TP13	None	201	243	Forbiddn	Forbiddn	D	40
Epichlorohydrin	6.1	UN2023	II	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	40
1,2-Epoxy-3-ethoxypropane	3	UN2752	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Esters, n.o.s.	3	UN3272	III	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
				B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc											
Ethane	2.1	UN1035	2.1		306	304	302	Forbiddn	150 kg	E	40
Ethane-Propane mixture, refrigerated liquid	2.1	NA1961	2.1	T75, TP5	None	316	314,	Forbiddn	Forbiddn	D	40
Ethane, refrigerated liquid											
Ethanolamine dinitrate	2.1	UN1961	2.1	T75, TP5	None	None	315	Forbiddn	Forbiddn	D	40
Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol	3	UN3475	II	144, 177, IB2, T4, TP1	150	202	242	5 L	60 L	E	
Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions	3	UN1170	II	24, IB2, T4, TP1	4b, 150	202	242	5 L	60 L	A	
Ethanolamine or Ethanolamine solutions	8	UN2491	III	24, B1, IB3, T2, TP1	4b, 150	203	242	60 L	220 L	A	
Ether, see Diethyl ether				IB3, T4, TP1	154	203	241	5 L	60 L	A	52.
Ethers, n.o.s.											
Ethyl acetate	3	UN3271	II	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
Ethyl acrylate, stabilized	3	UN1173	III	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Ethyl alcohol, see Ethanol	3	UN1917	II	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl aldehyde, see Acetaldehyde				387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	C	25, 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)		
+	Ethyl amyl ketone N-Ethylbenzyloluidines, solid N-Ethyl-N-benzylaniline Ethyl borate Ethyl bromide Ethyl bromoacetate Ethyl butyl ether Ethyl butyrate Ethyl chloride Ethyl chloroacetate Ethyl chloroformate Ethyl 2-chloropropionate Ethyl chloroformate Ethyl crotonate Ethyl ether, see Diethyl ether Ethyl fluoride or Refrigerant gas R161 Ethyl formate Ethyl hydroperoxide Ethyl isobutyrate Ethyl isocyanate Ethyl lactate Ethyl mercaptan Ethyl methacrylate, stabilized Ethyl methyl ether Ethyl methyl ketone or Methyl ethyl ketone Ethyl nitrite solutions Ethyl orthoformate Ethyl oxalate Ethyl perchlorate	3	UN2271	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A			
		6.1	UN3460	III	6.1	IB8, IP3, T1, TP33	153	213	240	242	100 kg	200 kg	A		
		6.1	UN2274	III	6.1	IB3, T4, TP1	153	203	241	242	60 L	220 L	A		
		3	UN1176	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
		6.1	UN1891	II	6.1	IB2, IP8, T7, TP2, TP13	153	202	243	243	Forbiddn	Forbiddn	B	40, 85	
		6.1	UN1603	II	6.1, 3	IB2, T7, TP2	None	202	243	243	Forbiddn	Forbiddn	D	40	
		3	UN1179	II	3	B1, IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
		3	UN1180	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A		
		2.1	UN1037	II	2.1	B77, N86, T50	None	322	314,	314,	Forbiddn	150 kg	150 kg	B	40
		6.1	UN1181	II	6.1, 3	IB2, T7, TP2	153	202	243	243	5 L	60 L	A		
		6.1	UN1182	I	6.1, 3, 8	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	244	Forbiddn	Forbiddn	D	21, 40, 100	
		3	UN2935	III	3	B1, B3, T2, TP1	150	203	242	242	60 L	220 L	A		
		8	UN2826	II	8, 6.1, 3	2, B9, B14, B32, T20, TP2, TP38, TP45	None	227	244	244	Forbiddn	Forbiddn	A	40	
		3	UN1862	II	3	IB2, T4, TP2	150	202	242	242	5 L	60 L	B		
		2.1	UN2453	II	2.1	IB2, T4, TP1	306	304	314,	314,	Forbiddn	150 kg	150 kg	E	40
+	Ethyl formate Ethyl hydroperoxide Ethyl isobutyrate Ethyl isocyanate Ethyl lactate Ethyl mercaptan Ethyl methacrylate, stabilized Ethyl methyl ether Ethyl methyl ketone or Methyl ethyl ketone Ethyl nitrite solutions Ethyl orthoformate Ethyl oxalate Ethyl perchlorate	3	UN1190	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E			
		Forbiddn													
		3	UN2385	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
		6.1	UN2481	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	244	Forbiddn	Forbiddn	D	40, 52	
		3	UN1192	III	3	B1, B3, T2, TP1	150	203	242	242	60 L	220 L	A		
		3	UN2363	I	3	T11, TP2, TP13	None	201	243	243	Forbiddn	30 L	E	95, 102	
		3	UN2277	II	3	387, IB2, T4, TP1	150	202	242	242	5 L	60 L	C	25	
		2.1	UN1039	II	2.1	None	None	201	314,	314,	Forbiddn	150 kg	B	40	
		3	UN1193	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
		3	UN1194	I	3, 6.1	None	None	201	None	None	Forbiddn	Forbiddn	E	40, 105	
		3	UN2524	III	3	B1, B3, T2, TP1	150	203	242	242	60 L	220 L	A		
		6.1	UN2525	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	220 L	A		
		Forbiddn													

D	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 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 phosphonous dichloride, anhydrous pyrophoric liquid	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	.....	2.1	387, N88	None	304	314, 315	Forbidden	150 kg	B	25, 40
Ethylamine	2.1	UN1036		2.1	B77, N87, T50	None	321	314, 315	Forbidden	150 kg	D	40
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	UN2275	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, IB3, 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	AZ, A7, N34, T14, TP2, TP7, TP13, W31, T75, TP5	None	201	244	Forbidden	1 L	D	21, 40, 49, 100, 40, 57
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		2.1		None	304	314, 315	Forbidden	Forbidden	D	
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	2.1	UN1962		2.1		306	304	302	Forbidden	Forbidden	E	40
Ethylene diamine diperchlorate	Forbidden					None	227	244	Forbidden	Forbidden	D	40
Ethylene dibromide	6.1	UN1605	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures												
Ethylene dichloride	3	UN1184	II	3, 6.1	IB2, N36, T7, TP1	150	202	243	1 L	60 L	B	40
Ethylene glycol diethyl ether	3	UN1153	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	

§ 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>Ethylene glycol dinitrate</i>	Forbidden											
	Ethylene glycol monoethyl ether	3	UN1171	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A		
	Ethylene glycol monoethyl ether acetate	3	UN1172	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A		
	Ethylene glycol monomethyl ether	3	UN1188	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A		
	Ethylene glycol monomethyl ether acetate	3	UN1189	III	3	B1, IB3, T2, TP1	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	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	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	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	304	314, 315	75 kg	150 kg	A		
	Ethylene oxide and chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide	2.2	UN3070		2.2	T50	306	314, 315	75 kg	150 kg	A		
	Ethylene oxide and dichlorodifluoromethane mixture, with not more than 7.9 percent ethylene oxide	2.2	UN3298		2.2	T50	306	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, M4, N34, T14, TP2, TP7, TP13	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	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	Forbidden	Forbidden	D	40
Ethylene, refrigerated liquid (cryogenic liquid)	2.1	UN1038	2.1	T75, TP5	None	316	Forbidden	Forbidden	D	40
Ethylenediamine	8	UN1604	8, 3	IB2, T7, TP2	154	202	1 L	30 L	A	40, 52
Ethyleimine, stabilized	6.1	UN1185	6.1, 3	1, 387, B9, B14, B30, B77, N25, N32, T22, TP2, TP13, TP36, TP44	None	226	Forbidden	Forbidden	D	25, 40
Ethylhexaldehyde, see Octyl aldehydes etc										
2-Ethylhexyl chloroformate	6.1	UN2748	6.1, 8	IB2, T7, TP2, TP13	153	202	1 L	30 L	A	12, 13, 25, 40
2-Ethylhexylamine	3	UN2276	3, 8	B1, IB3, T4, TP1	150	203	5 L	60 L	A	
Ethylphenyldichlorosilane	8	UN2435	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	Forbidden	30 L	C	
1-Ethylpiperidine	3	UN2386	3, 8	IB2, T7, TP1	150	202	1 L	5 L	B	52
N-Ethyloluidines	6.1	UN2754	6.1	IB2, T7, TP2	153	202	5 L	60 L	A	
Ethyltrichlorosilane	3	UN1196	3, 8	A7, N34, T10, TP2, TP7, TP13	None	206	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	.....	148	None	62	Forbidden	Forbidden	04	25, 19E, 21E
Explosive, blasting, type B	1.1D	UN0082	.....	.....	None	62	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type B or Agent blasting, Type B	1.5D	UN0331	.....	105, 106, 148	None	62	Forbidden	Forbidden	03	25, 19E
Explosive, blasting, type C	1.1D	UN0083	.....	123	None	62	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type D	1.1D	UN0084	.....	.....	None	62	Forbidden	Forbidden	04	22E
Explosive, blasting, type E	1.1D	UN0241	.....	.....	None	62	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type E or Agent blasting, Type E	1.5D	UN0332	.....	105, 106, 148	None	62	Forbidden	Forbidden	03	25, 19E
Explosive, forbidden. See § 173.54										
Explosive substances, see Substances, explosive, n.o.s. etc										
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	5 L	60 L	B	
Extracts, flavoring, liquid	3	UN1197	III 3	B1, IB3, T2, TP1	150	203	60 L	220 L	A	
			III 3	149, IB2, T4, TP1, TP8	150	202	5 L	60 L	B	
			III 3	B1, IB3, T2, TP1	150	203	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	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>Fabric with animal or vegetable oil, see Fibers or fabrics, etc</i>												
	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	
	Ferrocetium	4.1	UN1323	II	4.1	59, A19, IB8, IP2, IP4, T3, TP33, W100	151	212	240	15 kg	50 kg	A	13, 147, 148
	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, W100	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	
	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, B134, IB8, IP3, IP21, IP7, W100	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	137	151	213	240	No Limit	No Limit	A	
A W	Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil	4.2	UN1373	III	4.2	137, IB8, IP3, T1, TP33, W31	None	213	241	Forbidden	Forbidden	A	
	Fibers or Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s.	4.1	UN1353	III	4.1	A1, IB8, IP3	None	213	240	25 kg	100 kg	D	
	Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap												

4.1	UN1324	III	4.1	None	183	None	25 kg	100 kg	D	28
	8	II	8	N41	202	None	1 L	30 L	A	
	2.2	.....	2.2	110	309	None	75 kg	150 kg	A	.....
4.1	UN2623	III	4.1	A1, A19	213	None	25 kg	100 kg	A	52
1.1G	UN0333	.....	1.1G	108	62	None	Forbidden	Forbidden	03	25
1.2G	UN0334	.....	1.2G	108	62	None	Forbidden	Forbidden	03	25
1.3G	UN0335	.....	1.3G	108	62	None	Forbidden	Forbidden	03	25
1.4G	UN0336	.....	1.4G	108, 200	62	None	Forbidden	75 kg	02	25
1.4S	UN0337	.....	1.4S	108	62	None	25 kg	100 kg	01	25
9	UN3316	II	9	15	161	None	10 kg	10 kg	A	
9	UN3316	III	9	15	161	None	10 kg	10 kg	A	
9	UN2216	III	None	155, IB8, IP3, T1, TP33	218	218	Forbidden	Forbidden	B	25, 88, 122, 128
4.2	UN1374	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33, W31, W40	212	241	Forbidden	Forbidden	B	18, 25, 128
G	3	I	3, 6.1, 8	T14, TP2, TP13, TP27	201	243	Forbidden	2.5 L	E	21, 40, 100
G	3	II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	202	243	1 L	5 L	B	21, 40, 100
G	3	I	3, 8	T14, TP2	201	243	0.5 L	2.5 L	E	40
G	3	II	3, 8	IB2, T11, TP2, TP27	202	243	1 L	5 L	B	40
G	3	III	3, 8	B1, IB3, T7, TP1, TP28	203	242	5 L	60 L	A	40
G	3	I	3	T11, TP1, TP27	201	243	1 L	30 L	E	
G	3	II	3	IB2, T7, TP1, TP8, TP28	202	242	5 L	60 L	B	
G	3	III	3	B1, B52, IB3, T4, TP1, TP29	203	242	60 L	220 L	A	
G	3	I	3, 6.1	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	E	40
G	3	II	3, 6.1	IB2, T7, TP2, TP13	202	243	1 L	60 L	B	40
G	3	III	3, 6.1	B1, IB3, T7, TP1, TP28	203	242	60 L	220 L	A	
G	4.1	II	4.1, 8	A1, IB6, IP2, T3, TP33	212	242	15 kg	50 kg	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	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)
G	Flammable solid, inorganic, n.o.s.	4.1	UN3178	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	D	40
				II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	
G	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	
				II	4.1	IB1, T3, TP3, TP26	151	212	240	Forbidden	Forbidden	C	
G	Flammable solid, oxidizing, n.o.s.	4.1	UN3097	III	4.1	IB1, T1, TP3, TP26	151	213	240	Forbidden	Forbidden	C	40
				II	4.1, 5.1	131	None	214	214	Forbidden	Forbidden	E	
				III	4.1, 5.1	131, T1, TP33	None	214	214	Forbidden	Forbidden	D	40
G	Flammable solid, toxic, inorganic, n.o.s.	4.1	UN3179	III	4.1, 6.1	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	50 kg	B	40
				II	4.1, 6.1	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	B	40
G	Flammable solids, corrosive, or-ganic, n.o.s.	4.1	UN2925	II	4.1, 8	A1, IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	40
				III	4.1, 8	A1, IB6, T1, TP33	None	212	242	15 kg	50 kg	D	40
G	Flammable solids, organic, n.o.s.	4.1	UN1925	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	D	40
				II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	25 kg	100 kg	B	
G	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	40
				II	4.1, 6.1	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	50 kg	B	
				III	4.1, 6.1	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	B	40
	Flares, aerial	1.3G	UN0093	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Flares, aerial	1.4G	UN0403	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Flares, aerial	1.4S	UN0404	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Flares, aerial	1.1G	UN0420	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Flares, aerial	1.2G	UN0421	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Flares, airplane, see Flares, aerial												
	Flares, signal, see Cartridges, sig-nal												
	Flares, surface	1.3G	UN0092	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Flares, surface	1.1G	UN0418	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Flares, surface	1.2G	UN0419	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Flares, water-activated, see Contri-vances, water-activated, etc												

Flash powder Flash powder <i>Flue dusts, poisonous, see Arsenical dust</i> <i>Fluoric acid, see Hydrofluoric acid, etc</i> Fluorine, compressed	1.1G 1.3G	UN0094 UN0305	..... .....	1.1G 1.3G	..... .....	None None	62 62	None None	Forbidden Forbidden	Forbidden Forbidden	03 03	25 25
	2.3	UN1045	..... .....	2.3, 5.1, 8	1, N86	None	302	None	Forbidden	Forbidden	D	40, 89, 90
Fluoroacetic acid	6.1	UN2642	I	6.1	IB7, IP1, T6, TP33	None	211	242	1 kg	15 kg	E	
Fluoranimines	6.1	UN2941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Fluorobenzene	3	UN2387	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Fluoroboric acid	8	UN1775	II	8	A7, B2, B15, IB2, N3, N34, T7, TP2	154	202	242	1 L	30 L	A	
Fluorophosphoric acid anhydrous	8	UN1776	II	8	A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
Fluorosilicates, n.o.s	6.1	UN2856	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Fluorosilicic acid	8	UN1778	II	8	A7, B2, B15, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
Fluorosulfonic acid	8	UN1777	I	8	A7, A10, B6, B10, N3, N36, T10, TP2	None	201	243	0.5 L	2.5 L	D	40
Fluorotoluenes	3	UN2388	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
<i>Forbidden materials. See § 173.21</i> Formaldehyde solutions, flammable Formaldehyde solutions (with not less than 10% and less than 25% formaldehyde), see Aviation regu- lated liquid, n.o.s. or Other regu- lated substances, liquid, n.o.s. Formaldehyde solutions, with not less than 25 percent formalde- hyde <i>Formalin, see Formaldehyde, solu- tions</i> Formic acid with not less than 10% but not more than 85% acid by mass Formic acid with not less than 5% but less than 10% acid by mass Formic acid with more than 85% acid by mass Fracturing devices, explosive, with- out detonators for oil wells Fuel, aviation, turbine engine	Forbidden 3	UN198	III	3, 8	176, B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	8	UN2209	III	8	IB3, T4, TP1	154	203	241	5 L	60		
	8	UN3412	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A	40.
	8	UN3412	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	8	UN1779	II	8, 3	B2, B28, IB2, T7, TP2	154	202	242	1 L	30 L	A	40.
	1.1D	UN0099	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25
	3	UN1863	I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
	3		II	3	144, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	3		III	3	144, 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) (8C)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing corrosive substances	8	UN3477	.....	8	328	230	230	230	5 kg	50 kg	A	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing flammable liquids	3	UN3473	.....	3	328	230	230	230	5 kg	50 kg	A	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing hydrogen in metal hydride	2.1	UN3479	.....	2.1	328	230	230	230	1 kg	15 kg	B	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing liquefied flammable gas	2.1	UN3478	.....	2.1	328	230	230	230	1 kg	15 kg	B	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing water-reactive substances	4.3	UN3476	.....	4.3	328	230	230	230	5 kg	50 kg	A	13, 148
D	Fuel oil (No. 1, 2, 4, 5, or 6) Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery Fulminate of mercury (dry) Fulminate of mercury, wet, see Mercury fulminate, etc Fulminating gold	3	NA1993	III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	

Fulminating mercury	UN1780	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	8, 40
Fulminating platinum											
Fulminating silver											
Fulminic acid											
Fumaryl chloride											
Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h)											
Fumigated transport vehicle or freight container see § 173.9											
Furadienhydres	UN1199	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Furan	UN2389	I	3	T12, TP2, TP13	None	201	243	1 L	30 L	E	
Furfuryl alcohol	UN2874	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
Furfurylamine	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	UN0103	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
Fuse, non-detonating instantaneous or quickmatch	UN0101	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Fuse, safety	UN0105	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
Fusee (railway or highway)	NA1325	II	4.1	381	None	184	None	15 kg	50 kg	B	
Fusel oil	UN1201	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Fuses, tracer, see Tracers for ammunition											
Fuzes, combination, percussion and time, see Fuzes, detonating (UN0257, UN0367); Fuzes, igniting (UN0317, UN0368)											
Fuzes, detonating	UN0106	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Fuzes, detonating	UN0107	.....	1.2B	.....	None	62	None	Forbidden	Forbidden	05	25
Fuzes, detonating	UN0257	.....	1.4B	116	None	62	None	75 kg	75 kg	05	25
Fuzes, detonating	UN0367	.....	1.4S	116	None	62	None	100 kg	100 kg	01	25
Fuzes, detonating, with protective features	UN0408	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Fuzes, detonating, with protective features	UN0409	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	04	25
Fuzes, detonating, with protective features	UN0410	.....	1.4D	116	None	62	None	Forbidden	75 kg	02	25
Fuzes, igniting	UN0316	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Fuzes, igniting	UN0317	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
Fuzes, igniting	UN0368	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
Galactosan trinitrate											
Gallium	UN2803	III	8	T1, TP33	None	162	240	20 kg	20 kg	B	25
Gas cartridges, (flammable) without a release device, non-refillable	UN2037	2.1	306	304	None	1 kg	15 kg	B	40
Gas identification set	NA9035	2.3	6	None	194	None	Forbidden	Forbidden	D	

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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)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
G	Gas oil	3	UN1202	III	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	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, 5.1	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											
	Glycerol gluconate trinitrate	Forbidden											
	Glycerol lactate trinitrate	Forbidden											
	Glycerol alpha-monochlorohydrin	6.1	UN2689	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Glycerol trinitrate, see Nitroglycerin, etc.												
	Glycidaldehyde	3	UN2622	II	3, 6.1	IB2, IP8, T7, TP1	150	202	243	1 L	60 L	A	40
	Grenades, hand or rifle, with bursting charge	1.1D	UN0284	.....	1.1D	.....	.....	62	None	Forbidden	Forbidden	O4	25
	Grenades, hand or rifle, with bursting charge	1.2D	UN0285	.....	1.2D	.....	.....	62	None	Forbidden	Forbidden	O4	25

UN number	Proper shipping name	Class	Division	Subdivision	Quantity	Special provisions	Other	Additional	Notes
1.1F	Grenades, hand or rifle, with bursting charge	1.1F	.....	.....	25	.....	.....	.....	25
1.2F	Grenades, hand or rifle, with bursting charge	1.2F	.....	.....	25	.....	.....	.....	25
1.4S	Grenades, illuminating, see Ammunition, illuminating, etc	1.4S	.....	.....	25	.....	.....	.....	25
1.3G	Grenades, practice, hand or rifle	1.3G	.....	.....	25	.....	.....	.....	25
1.2G	Grenades, practice, hand or rifle	1.2G	.....	.....	25	.....	.....	.....	25
1.4G	Grenades, practice, hand or rifle	1.4G	.....	.....	25	.....	.....	.....	25
5.1	Grenades, smoke, see Ammunition, smoke, etc	5.1	III	.....	73	A1, IB8, IP3, T1, TP33	.....	.....	73
Forbiddn	Guantidine nitrate	Forbiddn	.....	.....	.....	.....	.....	.....	.....
1.1A	Guanyl nitrosaminoguanylidene hydrazine (dry)	1.1A	.....	.....	25	111, 117	.....	.....	25
Forbiddn	Guanyl nitrosaminoguanylidene hydrazine, wetted with not less than 30 percent water, by mass	Forbiddn	.....	.....	.....	.....	.....	.....	.....
1.1A	Guanyl nitrosaminoguanyltetrazene (dry)	1.1A	.....	.....	25	111, 117	.....	.....	25
Forbiddn	Guanyl nitrosaminoguanyltetrazene, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass	Forbiddn	.....	.....	.....	.....	.....	.....	.....
4.2	Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0028)	4.2	I II	.....	.....	W31 A19, A20, IB6, IP2, N34, T3, TP33, W31	.....	.....	.....
4.1	Gunpowder, granular or as a meal, see Black powder (UN 0027)	4.1	III II	.....	.....	B135, IB8, IP21, T1, TP33, W31 A6, A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	.....	.....	.....
9	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	9	III	.....	.....	IB3, T2, TP1	.....	.....	.....
9	Hand signal device, see Signal devices, hand	9	III	.....	.....	B54, IB8, IP2, T1, TP33	.....	.....	.....
D G	Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc	D G	.....	.....	.....	.....	.....	.....	.....
D G	Hazardous waste, liquid, n.o.s.	D G	.....	.....	.....	.....	.....	.....	.....
D G	Hazardous waste, solid, n.o.s.	D 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)
	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 (<i>cryogenic liquid</i>)	2.2	UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
	Hept fluoropropane or Refrigerant gas R 227	2.2	UN3296		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	n-Heptaldehyde	3	UN3056	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Heptanes	3	UN1206	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
	n-Heptene	3	UN2278	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Hexachloroacetone	6.1	UN2661	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	B	12, 40
	Hexachlorobenzene	6.1	UN2729	III	6.1	B3, IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A	
	Hexachlorobutadiene	6.1	UN2279	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Hexachlorocyclopentadiene	6.1	UN2646	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, 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	
	Hexadecyltrichlorosilane	8	UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Hexadienes	3	UN2458	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	40
	Hexaethyl tetraphosphate and compressed gas mixtures	2.3	UN1612	II	2.3	3	None	334	None	Forbidden	Forbidden	D	
	Hexaethyl tetraphosphate, liquid	6.1	UN1611	II	6.1	IB2, N76, T7, TP2	153	202	243	5 L	60 L	E	40
	Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	IB8, IP2, IP4, N76	153	212	242	25 kg	100 kg	E	40
	Hexafluoroacetone	2.3	UN2420	II	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Hexafluoroacetone hydrate, liquid	6.1	UN2552	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
	Hexafluoroacetone hydrate, solid	6.1	UN3436	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
	Hexafluoroethane, or Refrigerant gas R 116	2.2	UN2193	II	2.2	IB8, IP2, IP4, T3, TP33	306	304	314, 315	75 kg	150 kg	A	
	Hexafluorophosphoric acid	8	UN1782	II	8	A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
	Hexafluoropropylene compressed or Refrigerant gas R 1216	2.2	UN1858	II	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
Hexanes	3	UN1208	II	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
2,2,4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry)	Forbiddn			3	IB2, T4, TP2	150	202	242	5 L	60 L	E	
Hexanitroazoxy benzene	Forbiddn											
N,N'-(hexanitrodiphenyl) ethylene dinitramine (dry)	Forbiddn											
Hexanitrodiphenyl urea	Forbiddn											
2,2,3,3',4,4',6'-Hexanitrodiphenylamine or Hexanitrodiphenylamine	1.1D	UN0079	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Dipicyclamine or Hexyl	Forbiddn											
2,3,4,4',6,6'-Hexanitrodiphenylether	Forbiddn											
Hexanitroethane	Forbiddn											
Hexanitrooxanilide	1.1D	UN0392	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	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												
cycloletramethylene-trinitramine and mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc												
Hexogen and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc												
Hexogen and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc												
Hexogen, see Cycloletramethylene-trinitramine, etc												
Hexolite, or Hexotol dry or wetted with less than 15 percent water, by mass	1.1D	UN0118	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Hexonal	1.1D	UN0393	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Hexyl, see Hexanitrodiphenylamine												
Hexyltrichlorosilane	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbiddn	30 L	C	40
High explosives, see individual explosives' entries												

§ 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)
	HMX, see Cyclootetramethylenete-tranitamine, etc	8	UN2029	I	8, 3, 6.1	A7, A10, B7, B16, B53	None	201	243	Forbidden	2.5 L	D	40, 52, 125
	Hydrazine, anhydrous	6.1	UN3293	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	Hydrazine, aqueous solution, with not more than 37 percent hydra-zine, by mass	8	UN3484	I	8, 3, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52, 125
	Hydrazine aqueous solution, flam-mable with more than 37% hydra-zine, by mass	8	UN2030	I	8, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52
	Hydrazine aqueous solution, with more than 37% hydrazine, by mass			II	8, 6.1	B16, B53, IB2, T7, TP2, TP13	None	202	243	Forbidden	30 L	D	40, 52
	Hydrazine azide	Forbidden		III	8, 6.1	B16, B53, IB3, T4, TP1	154	203	241	5 L	60 L	D	40, 52
	Hydrazine chlorate	Forbidden											
	Hydrazine dicarbonic acid diazide	Forbidden											
	Hydrazine perchlorate	Forbidden											
	Hydrazine selenate	Forbidden											
	Hydroiodic acid, anhydrous, see Hy-drogen iodide, anhydrous	8	UN1787	II	8	A3, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	8
	Hydroiodic acid			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	
	Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	
	Hydrobromic acid, with more than 49 percent hydrobromic acid			III	8	IB3, T4, TP1	154	203	241	Forbidden	Forbidden	C	8
	Hydrobromic acid, with not more than 49 percent hydrobromic acid	8	UN1788	II	8	A3, B2, B15, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
	Hydrocarbon gas mixture, com-pressed, n.o.s.	2.1	UN1964	III	8, 2.1	A3, IB3, T4, TP1	154, 306	203, 302	241, 314, 315	Forbidden	60 L, 150 kg	C, E	8, 40
	Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965		2.1	T50	306	304	315	Forbidden	150 kg	E	40

Hydrocarbons, liquid, n.o.s.	3	UN3295	I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
<i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous</i>												
Hydrochloric acid	8	UN1789	II	8	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
<i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide, etc</i>												
Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide	III		III	8	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide	II		II	8	386, A3, B3, B15, B133, IB2, N41, T8, TP2	154	202	242	1 L	30 L	C	8
<i>Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc</i>												
Hydrocyanic acid (prussic), unstabilized	6.1	UN1613	I	6.1	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	
Hydrofluoric acid and Sulfuric acid mixtures	8	UN1786	I	8, 6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40
<i>Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous</i>												
Hydrofluoric acid, with more than 60 percent strength	8	UN1790	I	8, 6.1	IB1, T14, TP2, TP13, TP27	None	195	243	Forbidden	5 L	D	40
Hydrofluoric acid, with not more than 60 percent strength	8	UN1790	II	8, 6.1	A7, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
<i>Hydrofluoroboric acid, see Fluoroboric acid</i>												
<i>Hydrofluorosilicic acid, see Fluorosilicic acid</i>												
Hydrogen and Methane mixtures, compressed	2.1	UN2034		2.1	A7, B4, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	D	12, 25, 40
Hydrogen bromide, anhydrous	2.3	UN1048		2.3, 8	A7, B15, IB2, N5, N34, T8, TP2	154	202	243	1 L	30 L	D	12, 25, 40
Hydrogen chloride, anhydrous	2.3	UN1050		2.3, 8		None	302	302, 314, 315	Forbidden	150 kg	E	40, 57
Hydrogen chloride, refrigerated liquid	2.3	UN2186		2.3, 8	3, B14, N86, N89	None	304	314, 315	Forbidden	Forbidden	D	40
Hydrogen, compressed	2.1	UN1049		2.1	3, N86, N89	None	304	None	Forbidden	Forbidden	D	40
Hydrogen cyanide, solution in alcohol with not more than 45 percent hydrogen cyanide	6.1	UN3294	I	6.1, 3	3, B6	None	None	314, 315	Forbidden	Forbidden	B	40
							302	302, 314	Forbidden	150 kg	E	40, 57
							227	244	Forbidden	Forbidden	D	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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Hydrogen cyanide, stabilized with less than 3 percent water	6.1	UN1051	I	6.1, 3	1, 387, B35, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	25, 40
	Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material	6.1	UN1614	I	6.1	5, 387	None	195	None	Forbidden	Forbidden	D	25, 40
	Hydrogen fluoride, anhydrous	8	UN1052	I	8.6.1	3, B7, B46, B77, N86, T10, TP2	None	163	244	Forbidden	Forbidden	D	40
	Hydrogen in a metal hydride storage system or Hydrogen in a metal hydride storage system contained in equipment or Hydrogen in a metal hydride storage system packed with equipment	2.1	UN3468	.....	2.1	167	None	311	None	Forbidden	100 kg	D	
	Hydrogen iodide, anhydrous	2.3	UN2197		2.3, 8	3, B14, N86, N89	None	304	314, 315	Forbidden	Forbidden	D	40
	Hydrogen iodide solution, see Hydrochloric 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, 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, 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	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 fluoride, solid, n.o.s.	8	UN1740	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	None	212	240	15 kg	50 kg	A	25, 40, 52
Hydrogen difluoride solution, n.o.s.	8	UN3471	III	8, 6.1	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
Hydrochloric acid, see Fluosilicic acid	1.3C	UN0508	.....	1.3C	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52
1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass	4.1	UN3474	I	4.1	IB3, T4, TP1	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
Hydroxyamine iodide	Forbidden	UN2865	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	26
Hydroxylamine sulfate	8	UN1791	II	8	148, A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26
Hypochlorite solutions	8	UN1791	III	8	386, IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26
Hypochlorites, 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
Hyponitrous acid Igniter, fuse, metal clad, see Fuse, igniter, tubular, metal clad	Forbidden											
Igniters	1.1G	UN0121	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
Igniters	1.2G	UN0314	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
Igniters	1.3G	UN0315	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Igniters	1.4G	UN0325	.....	1.4G	.....	None	62	None	75 kg	75 kg	02	25
Igniters	1.4S	UN0454	.....	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
Infectious substances, affecting animals only	6.2	UN2900	III	6.2	A82	134	196	None	50 mL or 50 g	4 L or 4 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	Infectious substances, affecting humans <i>Inflam-mable, see Flammable Initiating explosives (dry)</i> <i>Inositol hexanitrate (dry)</i> Insecticide gases, n.o.s.	6.2 Forbidden Forbidden 2.2	UN 2814 UN1968		6.2	A82	134	196	None	50 mL or 50 g	4 L or 4 kg	B	40
G	Insecticide gases, flammable, n.o.s.	2.1	UN3354		2.1	T50	306	304	314, 315	75 kg	150 kg	A	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	3	None	193, 334	245	Forbidden	Forbidden	D	40
+	Iodine	8	UN3495		8, 6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	B	40, 55
	<i>Iodine azide (dry)</i> Iodine monochloride, liquid	Forbidden 8	UN3498	III	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, 90
	2-Iodobutane	3	UN2390	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Iodomethylpropanes	3	UN2391	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Iodopropanes	3	UN2392	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Iodoxy compounds (dry)</i> <i>Iridium nitratopentamine iridium nitrate</i> Iron chloride, <i>see</i> Ferric chloride	Forbidden Forbidden											

Iron oxide, spent, or Iron sponge, spent obtained from coal gas purification	4.2	UN1376	III	4.2	B18, B134, IB8, IP21, T1, TP33, W100	None	213	240	Forbidden	Forbidden	E	13, 148
Iron pentacarbonyl	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B77, T22, TP2, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40
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	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
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												
Isobutyl methacrylate, stabilized	3	UN2283	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
Isobutyl propionate	3	UN2394	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	B	
Isobutylamine	3	UN1214	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
Isobutylene see also Petroleum gases, liquefied	2.1	UN1055		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
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
Isobutyl chloride	3	UN2395	II	3, 8	IB1, T7, TP2	150	202	243	1 L	5 L	C	40
Isocyanates, flammable, toxic, n.o.s. or isocyanate solutions, flammable, toxic, n.o.s., flash point less than 23 degrees C	3	UN2478	II	3, 6.1	5, A3, A7, IB2, T11, TP2, TP13, TP27, W31	150	202	243	1 L	60 L	D	40
Isocyanates, toxic, flammable, n.o.s. or isocyanate solutions, toxic, flammable, n.o.s., flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C	6.1	UN3080	III	3, 6.1	5, A3, A7, IB3, T7, TP1, TP13, TP28, W31	150	203	242	60 L	220 L	A	
Isocyanates, toxic, n.o.s. or isocyanate solutions, toxic, n.o.s., flash point more than 61 degrees C and boiling point less than 300 degrees C	6.1	UN2206	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	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)
	Isocyanatobenzotrifluorides	6.1	UN2285	III	6.1	IB3, T7, TP1, TP13, TP28	153	203	241	60 L	220 L	E	25, 40
	Isobutenes	3	UN2287	II	6.1, 3	5, IB2, T7, TP2	153	202	243	5 L	60 L	D	25, 40
	Isobutenes	3	UN2288	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isobutenes	3	UN2288	II	3	IB2, T11, TP1	150	202	242	5 L	60 L	E	
	Isocetane, see Octanes												
	Isocetanes	3	UN1216	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopentane, see Pentane												
	Isopentanoic acid, see Corrosive liquids, n.o.s.												
	Isopentenes	3	UN2371	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	Isophorone diisocyanate	6.1	UN2390	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	B	40
	Isophoronediamine	8	UN2289	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Isoprene, stabilized	3	UN1218	I	3	387, T11, TP2	150	201	243	1 L	30 L	D	25
	Isopropanol or isopropyl alcohol	3	UN1219	II	3	IB2, T4, TP1	4b, 150	202	242	5 L	60 L	B	
	Isopropenyl acetate	3	UN2403	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropenylbenzene	3	UN2303	III	3	IB2, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl acetate	3	UN1220	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropyl alcohol, see Isopropanol	8	UN1793	III	8	IB2, T4, TP1	154	213	240	25 kg	100 kg	A	
	Isopropyl alcohol, see Isopropanol												
	Isopropyl butyrate	3	UN2405	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroacetate	3	UN2947	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroformate	6.1	UN2407	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	21, 40, 100
	Isopropyl 2-chloropropionate	3	UN2934	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl isobutyrate	3	UN2406	II	3	IB2, T4, TP1	150	202	242	60 L	220 L	B	
	Isopropyl isocyanate	6.1	UN2483	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
+	Isopropyl mercaptan, see Propanethiols												
	Isopropyl nitrate	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	D	
	Isopropyl phosphoric acid, see Isopropyl acid phosphate												
	Isopropyl propionate	3	UN2409	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropylamine	3	UN1221	I	3, 8	T11, TP2	None	201	243	0.5 L	2.5 L	E	
	Isopropylbenzene	3	UN1918	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

D	Isopropylcumyl hydroperoxide, with more than 72 percent in solution	Forbidden	UN2907	II	4.1	IB6, IP2, N85	None	212	None	15 kg	50 kg	E	28, 36
	Isosorbide dinitrate mixture with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate	4.1	UN3251	III	4.1	66, 159, IB8	151	223	240	Forbidden	Forbidden	D	12, 25, 40, 84
	Isosorbide-5-mononitrate	Forbidden											
	Isothiocyanic acid												
	Jet fuel, see Fuel aviation, turbine engine												
	Jet perforating guns, charged oil well, with detonator	1.1D	NA0124	.....	1.1D	55, 56	None	62	None	Forbidden	Forbidden	04	25
	Jet perforating guns, charged oil well, with detonator	1.4D	NA0494	.....	1.4D	55, 56	None	62	None	Forbidden	Forbidden	02	25
	Jet perforating guns, charged oil well, without detonator	1.4D	UN0494	.....	1.4D	55, 114	None	62	None	Forbidden	300 kg	02	25
	Jet perforating guns, charged oil well, without detonator	1.1D	UN0124	.....	1.1D	55	None	62	None	Forbidden	Forbidden	04	25
	Jet perforators, see Charges, shaped, etc												
Jet tappers, without detonator, see Charges, shaped, etc													
Jet thrust igniters, for rocket motors or Jato, see Igniters													
Jet thrust unit (Jato), see Rocket motors													
G	Kerosene	3	UN1223	III	3	144, B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Ketones, liquid, n.o.s.	3	UN1224	I	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E	
								202	242	5 L	60 L	B	
								203	242	60 L	220 L	A	
								212	242	15 kg	50 kg	B	25, 88, 128
	Krill meal	4.2	UN3497	II	4.2	155, IB6, IP2, T3, TP33	None	213	242	25 kg	100 kg	A	
								None	75 kg	150 kg	100 kg	A	
								None	None	50 kg	500 kg	D	
								None	None	None	None	None	
								None	None	None	None	None	
G	Krypton, compressed	2.2	UN1056	III	4.2	155, IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	A	
	Krypton, refrigerated liquid (cryogenic liquid)	2.2	UN1970	II	2.2	306, 307	302	None	None	50 kg	500 kg	D	
	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	6.1	UN1616	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Lead arsenates	6.1	UN1617	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Lead arsenites	6.1	UN1618	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Lead azide (dry)	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)
	Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	1.1A	UN0129	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
G	Lead compounds, soluble, n.o.s	6.1	UN2291	III	6.1	138, IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Lead cyanide	6.1	UN1620	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Lead dioxide	5.1	UN1872	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Lead dross, see Lead sulfate, with more than 3 percent free acid	5.1	UN1469	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
Lead nitrate	5.1	UN1470	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
Lead nitroresorcinate (dry)	Forbidden	5.1	UN3408	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58
Lead perchlorate, solid	5.1	UN3408	III	5.1, 6.1	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58
Lead perchlorate, solution	5.1	UN3408	III	5.1, 6.1	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58
Lead peroxide, see Lead dioxide	4.1	UN2989	II	4.1	4.1	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	B	34.
Lead phosphite, dibasic	Forbidden	4.1	UN2989	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	34.
Lead picrate (dry)	Forbidden	Forbidden	UN0130	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
Lead styphnate (dry)	Forbidden	1.1A	UN0130	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	8	UN1794	II	8	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
Lead sulfate with more than 3 percent free acid	8	UN1794	II	8	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
Lead trinitroresorcinate, see Lead styphnate, etc	9	UN3072	.....	.....	None	182	None	219	None	No limit	No limit	A	122
Life-saving appliances, not self-inflating containing dangerous goods as equipment	9	UN2990	.....	.....	None	338	None	219	None	No limit	No limit	A	122
Life-saving appliances, self-inflating	2.1	UN1057	.....	2.1	2.1	168	21,308	21,308	None	No limit	No limit	A	122
Lighters containing flammable gas	2.1	UN1057	.....	2.1	2.1	168	21,308	21,308	None	No limit	No limit	B	40
Lighters, new or empty, purged of all residual fuel and vapors	2.1	UN1057	2.1	2.1	168	21,308	21,308	None	No limit	No limit	B	40

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	3	NA1057	II	3	168	21	None	None	None	314, 315, 245	Forbidden	Forbidden	B	40
Lighters, non-pressurized, containing flammable liquid	2.1	UN1057	1.4S	None	62	None	None	None	1 kg	Forbidden	B	40
Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams of flammable gas	2.1	UN1057	.....	2.1	169	306	306	306	None	None	15 kg	Forbidden	B	40
Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.	2.2	UN3163	.....	2.2	T50	306	304	304	None	25 kg	Forbidden	01		25
Lighters, fuse	2.2	UN3157	.....	2.2, 5.1	T50	306	304	304	314, 315	Forbidden	150 kg	D		40
Lime, unslaked, see Calcium oxide	2.2	UN3163	.....	2.2, 2.3, 8	A14	306	304	304	314, 315	75 kg	150 kg	A		
Liquefied gas, flammable, n.o.s.	2.3	UN3308	.....	2.3, 8	1	None	192	192	245	75 kg	150 kg	D		40
Liquefied gas, oxidizing, n.o.s.	2.3	UN3308	.....	2.3, 8	2, B9, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3308	.....	2.3, 8	3, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3308	.....	2.3, 8	4	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3308	.....	2.3, 8	1	None	192	192	245	Forbidden	Forbidden	D		17, 40
Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3309	.....	2.3, 8	2, B9, B14	None	304	304	314, 315	Forbidden	Forbidden	D		17, 40
Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3309	.....	2.3, 8	3, B14	None	304	304	314, 315	Forbidden	Forbidden	D		17, 40
Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3309	.....	2.3, 8	4	None	304	304	314, 315	Forbidden	Forbidden	D		17, 40
Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3309	.....	2.3, 8	1	None	192	192	245	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone A	2.3	UN3160	.....	2.3, 2.1	2, B9, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone B	2.3	UN3160	.....	2.3, 2.1	3, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone C	2.3	UN3160	.....	2.3, 2.1	4	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone D	2.3	UN3160	.....	2.3, 2.1	1	None	192	192	245	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone A	2.3	UN3160	.....	2.3, 2.1	2, B9, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone B	2.3	UN3160	.....	2.3, 2.1	3, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone C	2.3	UN3160	.....	2.3, 2.1	4	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone D	2.3	UN3160	.....	2.3, 2.1	1	None	192	192	245	Forbidden	Forbidden	D		40
Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone A	2.3	UN3162	.....	2.3	2, B9, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40
Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone B	2.3	UN3162	.....	2.3	2, B9, B14	None	304	304	314, 315	Forbidden	Forbidden	D		40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	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	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162		2.3	3, B14	None	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	4	None	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	None	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	None	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	None	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	None	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	None	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	None	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, <i>non-flammable charged with nitrogen, carbon dioxide or air</i>	2.2	UN1058		2.2		306	304	None	75 kg	150 kg	A	
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s.												
	Liquefied natural gas, see Methane, etc. (UN 1972)												
	Liquefied petroleum gas, see Petroleum gases, liquefied												
	Lithium	4.3	UN1415	I	4.3	A7, A19, IB4, IP1, N45, T9, TP7, TP33, W32	151	211	244	Forbidden	Forbidden	D	13, 52, 148

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Lithium peroxide	5.1	UN1472	II	5.1	A9, IB6, IP2, N34, T3, TP33, W100	152	212	None	5 kg	25 kg	C	13, 52, 66, 75, 148
	Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	A	13, 85, 103, 148
	LNG, see Methane etc. (UN 1972) London purple 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	5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium chlorate Magnesium diamide	5.1 4.2	UN2723 UN2004	II II	5.1 4.2	IB8, IP2, IP4, T3, TP33 A8, A19, A20, IB6, T3, TP33, W31	152 None	212 212	242 241	5 kg 15 kg	25 kg 50 kg	A C	56, 58 13, 148
	Magnesium dross, wet or hot Magnesium fluorosilicate Magnesium granules, coated, particle size not less than 149 microns Magnesium hydride	Forbidden 6.1 4.3	UN2853 UN2950	III III	6.1 4.3	IB8, IP3, T1, TP33 A1, A19, IB8, IP4, T1, TP33, W100	153 151	213 213	240 240	100 kg 25 kg	200 kg 100 kg	A A	52 13, 52, 148
	Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons	4.3 4.1	UN2010 UN1869	I III	4.3 4.1	A19, N40, W32 A1, B134, IB8, IP21, T1, TP33, W100	None 151	211 213	242 240	Forbidden 25 kg	15 kg 100 kg	E A	13, 52, 148 13, 39, 52, 59, 74, 101, 147, 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)
	Matches, wax, Vesta <i>Mating acid</i> , see Sulfuric acid Medicine, liquid, flammable, toxic, n.o.s.	4.1 3	UN1945 UN3248	III II	4.1 3, 6.1	IB2	186 202	None	25 kg	100 kg	B		
	Medicine, liquid, toxic, n.o.s.	6.1	UN1851	III	3, 6.1	IB3	150	242	60 L	220 L	A	40	
	Medicine, solid, toxic, n.o.s.	6.1	UN3249	III	6.1	T3, TP33	153	243	5 L	60 L	C	40	
	<i>Mentyltrihydrophthalic anhydride</i> , see Corrosive liquids, n.o.s. Mercaptans, liquid, flammable, n.o.s. or Mercaptan mixture, liquid, flammable, n.o.s.	3	UN3336	I	3	T11, TP2	150	243	1 L	30 L	E	95, 102	
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	242	5 L	60 L	B	95, 102	
	Mercaptans, liquid, toxic, flammable, n.o.s., or Mercaptan mixtures, liquid, toxic, flammable, n.o.s., flash point not less than 23 degrees C	6.1	UN3071	III	3, 6.1	IB2, T11, TP2, TP13, TP27	153	243	60 L	220 L	B	40, 95, 102	
	5-Mercaptoimidazole-1-acetic acid Mercuric arsenate Mercuric chloride Mercuric compounds, see Mercury compounds, etc Mercuric nitrate	1.4C 6.1 6.1	UN0448 UN1623 UN1624	..... II II	1.4C 6.1 6.1	..... IB8, IP2, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33	None 62 212 153	None 242 242	Forbidden 25 kg 25 kg	75 kg 100 kg 100 kg	02 A A	25
	Mercuric potassium cyanide	6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33, W31	153	242	25 kg	100 kg	A	52	

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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)																																																				
G	<i>Mercury iodide aquabasic ammonobasic (iodide of Millon's base)</i> <i>Mercury nitride</i> <i>Mercury nucleate</i> <i>Mercury oleate</i> <i>Mercury oxide</i> <i>Mercury oxycyanide</i> <i>Mercury oxycyanide, desensitized</i> <i>Mercury potassium iodide</i> <i>Mercury salicylate</i> <i>Mercury sulfates</i> <i>Mercury thiocyanate</i> <i>Mesityl oxide</i> <i>Metal carbonyls, liquid, n.o.s.</i>	Forbidden	UN1639 UN1640 UN1641 UN1642 UN1643 UN1644 UN1645 UN1646 UN1229 UN3281	II II II II II II II II III III I	6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 3 6.1	(7)	153 153 153 153 153 153 153 153 None 150 201	212 212 212 212 212 212 212 212 203 201	242 242 242 242 242 242 242 242 242 243	25 kg 25 kg 25 kg 25 kg 25 kg 25 kg 25 kg 25 kg 60 L 1 L	100 kg 100 kg 100 kg 100 kg 100 kg 100 kg 100 kg 100 kg 220 L 30 L	A A A A A A A A A B	52, 91																																																				
														G	<i>Metal carbonyls, solid, n.o.s.</i>	6.1	UN3466	I	6.1	None	203	241	60 L	220 L	A	40																																							
																											G	<i>Metal catalyst, dry</i>	4.2	UN2881	I	4.2	None	187	None	Forbidden	Forbidden	C	13, 147, 148																										
																																								G	<i>Metal catalyst, wetted with a visible excess of liquid</i> <i>Metal hydrides, flammable, n.o.s.</i>	4.2 4.1	UN1378 UN3182	II II	4.2 4.1	None 151	212	None	Forbidden	50 kg	C	148													
																																																					G	<i>Metal hydrides, water reactive, n.o.s.</i>	4.3	UN1409	I	4.3	None	211	242	Forbidden	15 kg 100 kg	E D	13, 152, 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)
+1 D	Methanol Methanol <i>Methazoic acid</i> 4-Methoxy-4-methylpentan-2-one	3 3 Forbidden	UN1230 UN1230	II II	3, 6.1 3	IB2, T7, TP2 IB2, T7, TP2	150 150	202 202	242 242	1 L 1 L	60 L 60 L	B B	40 40
+	1-Methoxy-2-propanol Methoxymethyl isocyanate	3 6.1	UN2293 UN3092 UN2605	III III I	3 3 6.1, 3	B1, IB3, T2, TP1 B1, IB3, T2, TP1 1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	150 150 None	203 203 226	242 242 244	60 L 60 L Forbidden	220 L 220 L Forbidden	A A D	40
	Methyl acetate Methyl acetylene and propadiene mixtures, stabilized Methyl acrylate, stabilized Methyl alcohol, see Methanol Methyl allyl chloride Methyl amyl ketone, see Amyl methyl ketone Methyl bromide	3 2.1 3 3 3 2.3	UN1231 UN1060 UN1919 UN2554 UN1062	II II II II 2.3	3 2.1 3 3 3	3, B14, N86, T50	150 306 150 150 None	202 304 202 202 193	242 314, 315 242	5 L Forbidden 5 L 5 L Forbidden	60 L 150 kg 60 L 60 L Forbidden	B B C E D	25, 40 25 40
	<i>Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures</i> <i>Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide</i> 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 2-Methylbutanal 2-Methyl-1-butene 2-Methyl-2-butene 3-Methyl-1-butene Methyl tert-butyl ether Methyl butyrate Methyl chloride or Refrigerant gas R 40	6.1 3 3 3 3 3 2.1	UN2643 UN3371 UN2459 UN2460 UN2561 UN2398 UN1237 UN1063	II II II II I II II 2.1	6.1 3 3 3 3 3 3 2.1	IB2, T7, TP2 IB2, T4, TP1 T11, TP2 IB2, IP8, T7, TP1 T11, TP2 IB2, T7, TP1 IB2, T4, TP1 N86, T50	153 150 None None None 150 306	202 202 201 202 201 202 202 304	243 242 243 242 243 242 242 314, 315	5 L 5 L 1 L 5 L 1 L 5 L 5 L 5 kg	60 L 60 L 30 L 60 L 30 L 60 L 60 L 100 kg	D B E E E E B D	40 40

Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures	2.1	UN1912	I	6.1, 3	2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	D	40
Methyl chloride and methylene chloride mixtures	6.1	UN2295	I	6.1, 3	6.1, 3	T14, TP2, TP13	None	201	243	1 L	30 L	D	
Methyl chloroacetate													
Methyl chloroacetate, see Methyl chloroformate													
Methyl chloroform, see 1,1,1-Trichloroethane													
Methyl chloroformate	6.1	UN1238	I	6.1, 3, 8	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	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
Methyl 2-chloropropionate	3	UN2933	III	3	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
Methyl dichloroacetate	6.1	UN2299	III	6.1	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Methyl ethyl ether, see Ethyl methyl ether													
Methyl ethyl ketone, see Ethyl methyl ketone													
Methyl ethyl ketone, see Ethyl methyl ketone													
Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen	Forbidden												
2-Methyl-5-ethylpyridine	6.1	UN2300	III	6.1	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	2.1		306	304	314, 315	Forbidden	150 kg	E	
Methyl formate	3	UN1243	I	3	3	T11, TP2	150	201	243	1 L	30 L	E	
2-Methyl-2-heptanethiol	6.1	UN3023	I	6.1, 3	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	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	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
Methyl isobutyl ketone	3	UN1245	II	3	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen	Forbidden												
Methyl isocyanate	6.1	UN2480	I	6.1, 3	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	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25
Methyl isothiocyanate	6.1	UN2477	I	6.1, 3	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	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	4.3, 3	.....	None	201	243	Forbidden	1 L	D	13, 148
Methyl mercaptan	2.3	UN1064		2.3, 2.1	2.3, 2.1	3, B7, B9, B14, N89, T50	None	304	314, 315	Forbidden	Forbidden	D	40
Methyl mercaptopropionaldehyde, see 4-Thiopenental													

§ 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)	
D	Methyl methacrylate monomer, sta-bilized <i>Methyl nitramine (dry)</i> <i>Methyl nitrate</i> <i>Methyl nitrite</i> <i>Methyl norbomene dicarboxylic an-hydrate</i> , see Corrosive liquids, n.o.s. Methyl orthosilicate	3 Forbidden Forbidden Forbidden	UN1247	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25, 40	
	Methyl phosphonic dichloride	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</i> , see Corrosive liquid, n.o.s. Methyl phosphonous dichloride, <i>pyrophoric liquid</i>	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18	
D	<i>Methyl picric acid (heavy metal salts of)</i>	Forbidden												
	Methyl propionate	3	UN1248	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	Methyl propyl ether	3	UN2612	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E		
	Methyl propyl ketone	3	UN1249	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	<i>Methyl sulfate</i> , see Dimethyl sulfate <i>Methyl sulfide</i> , see Dimethyl sulfide	6.1	UN2533	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Methyl trichloroacetate	Forbidden												
	Methyl trimethylol methane trinitrate	6.1	UN1251	I	6.1, 3, 8	1, 387, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	B	21, 25, 40, 100	
	Methyl vinyl ketone, stabilized	3	UN1234	II	3	IB2, IP8, T7, TP2	306	304	242	5 L	60 L	E	40	
	Methylamine, anhydrous	2.1	UN1061	II	2.1	N87, T50	315	304	314	Forbidden	150 kg	B		
	Methylamine, aqueous solution <i>Methylamine dinitramine and dry salts thereof</i>	3	UN1235	II	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	E	52, 135.	

§ 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)
	Mixed acid, see Nitrating acid, mix-tures etc Mobility aids, see Battery powered equipment or Battery powered vehicle Model rocket motor Model rocket motor Molybdenum pentachloride Monochloroacetone (unstabilized) Monochloroethylene, see Vinyl chlo-ride, stabilized Monoethanolamine, see Ethanol-amine, solutions Monoethylamine, see Ethylamine Monophline Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s. Motor fuel anti-knock compounds see Motor fuel anti-knock mix-tures Motor fuel anti-knock mixture, flam-mable Motor fuel anti-knock mixtures												
D	1.4C 1.4S	1.4C 1.4S	NA0276 NA0323 UN2508	..... III	1.4C 1.4S 8	51 51 154 IB8, IP3, T1, TP33	None None None 240	62 62 213	None None 240	75 kg 25 kg 25 kg 100 kg 100 kg	02 01 C	25 25 40	
	8	8	UN2054	I	8, 3	T10, TP2	None	201	243	0.5 L 2.5 L	A		
+	6.1	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	Forbidden	D	25, 40	
+	6.1	6.1	UN1649	I	6.1	14, B9, B90, T14, TP2, TP13	None	201	244	Forbidden 30 L	D D	25, 40 25, 40	
	4.1	4.1	UN1334	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg 100 kg	A		
	Forbidden	Forbidden	UN1650 UN3411	II II	6.1 6.1	IB8, IP2, IP4, T3, TP33 IB2, T7, TP2	153 153	212 202 243	242 243	100 kg 60 L 60 L	A A A		
	6.1	6.1	UN2077	III	6.1	IB2, T7, TP2	153	203	241	5 L 60 L 220 L	A A A		
	6.1	6.1	UN2077	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg 200 kg	A A		
	4.1	4.1	UN2304	III	4.1	IB1, T1, TP3	151	213	241	Forbidden	C		

Naphthylamineperchlorate	6.1	UN1651	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Naphthylthiourea	6.1	UN1652	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Naphthylurea												
Natural gases (with high methane content), see Methane, etc. (UN 1971, UN 1972)												
Neohexane, see Hexanes												
Neon, compressed	2.2	UN1065	.....	2.2	.....	306, 307	302	None	75 kg	150 kg	A	
Neon, refrigerated liquid (cryogenic liquid)	2.2	UN1913		2.2	T75, TP5	320	316	None	50 kg	500 kg	D	
New explosive or explosive device, see §§ 173.51 and 173.56												
Nickel carbonyl	6.1	UN1259	I	6.1, 3	1	None	198	None	Forbidden	Forbidden	D	40, 78
Nickel cyanide	6.1	UN1653	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	
Nickel nitrate	5.1	UN2725	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Nickel nitrite	5.1	UN2726	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Nickel picrate	Forbidden											
Nicotine	6.1	UN1654	II	6.1	IB2	153	202	243	5 L	60 L	A	40
Nicotine compounds, liquid, n.o.s. or Nicotine preparations, liquid, n.o.s.	6.1	UN3144	I	6.1	A4	None	201	243	1 L	30 L	B	
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	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	B	40
			I	6.1	IB7, IP1, T6, TP33	None	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	153	212	242	25 kg	100 kg	A	
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
			I	6.1	IB7, IP1, T6, TP33	None	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	153	212	242	25 kg	100 kg	A	
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
			II	6.1	IB2	153	202	243	5 L	60 L	A	
Nicotine hydrochloride liquid or solution	6.1	UN1656	II	6.1	58, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Nicotine hydrochloride, solid	6.1	UN3444	III	6.1	IB3	153	203	241	60 L	220 L	A	
Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine sulfate solution	6.1	UN1658	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
			III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
			III	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	
Nicotine sulphate, solid	6.1	UN3445	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine tartrate	6.1	UN1659	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nitrated paper (unstable)	Forbidden											
Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	II	5.1	58, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Nitrates, inorganic, n.o.s.	5.1	UN1477	III	5.1	58, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
Nitrates of diazonium compounds	5.1	UN1477	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
			III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58

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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)	
	Nitrating acid mixtures, spent with more than 50 percent nitric acid	8	UN1826	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 66	
	Nitrating acid mixtures spent with not more than 50 percent nitric acid	8	UN1826	II	8	A7, B2, IB2, T8, TP2	None	158	242	Forbidden	30 L	D	40	
	Nitrating acid mixtures with more than 50 percent nitric acid	8	UN1796	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 66	
	Nitrating acid mixtures with not more than 50 percent nitric acid	8	UN1796	II	8	A7, B2, IB2, T8, TP2, TP13	None	158	242	Forbidden	30 L	D	40	
	Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid	8	UN2031	II	8, 5.1	B2, B47, B53, IB2, IP15, T8, TP2	None	158	242	Forbidden	30 L	D	66, 74, 89, 90	
	Nitric acid other than red fuming, with more than 20 percent, and less than 65 percent nitric acid	8	UN2031	II	8	A212, B2, B47, B53, IB2, IP15, T8, TP2	None	158	242	Forbidden	30 L	D	44, 66, 74, 89, 90	
	Nitric acid other than red fuming with not more than 20 percent nitric acid	8	UN2031	II	8	B2, B47, B53, IB2, T8, TP2	None	158	242	1 L	30 L	D		
	Nitric acid, red fuming	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	Forbidden	D	40, 66, 74, 89, 90
	Nitric acid other than red fuming, with more than 70 percent nitric acid	8	UN2031	I	8, 5.1	B47, B53, T10, TP2, TP12, TP13	None	158	243	Forbidden	2.5 L	D	44, 66, 89, 90, 110, 111	
	Nitric oxide, compressed	2.3	UN1660			2.3, 5.1, 8	1, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
G	Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures	2.3	UN1975			2.3, 5.1, 8	None	337	None	Forbidden	Forbidden	D	40, 89, 90	
		3	UN3273	I	3, 6.1	T14, TP2, TP13, TP27, IB2, T11, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40, 52	
G	Nitrites, inorganic, aqueous solution, n.o.s	5.1	UN3219	II	5.1	148, IB1, T4, TP1	152	202	242	1 L	5 L	B	46, 56, 58, 133	
				III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	B	46, 56, 58, 133	

G	Nitrites, inorganic, n.o.s.	5.1	UN2627	II	5.1	33, IB8, IP2, IP4, T3, TP33	152	212	None	5 kg	25 kg	A	46, 56, 58, 13, 52
G	Nitrites, liquid, toxic, n.o.s.	6.1	UN3276	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	52
G	Nitrites, solid, toxic, n.o.s.	6.1	UN3439	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	52
G	Nitrites, toxic, flammable, n.o.s.	6.1	UN3275	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	52
				II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	52
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	52
				I	6.1, 3	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
				II	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 52
				II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
+	3-Nitro-4-chlorobenzotrifluoride	6.1	UN2307	Forbiddén									
	6-Nitro-4-diazotoluene-3-sulfonic acid (div)	Forbiddén											
	Nitro isobutane tris trinitrate	Forbiddén											
	N-Nitro-N-methylglycolamide nitrate	Forbiddén											
	2-Nitro-2-methylpropanol nitrate	Forbiddén											
	Nitro urea	1.1D	UN0147	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	04	25
	N-Nitroaniline	Forbiddén											
	Nitroanilines (o-; m-; p-)	6.1	UN1661	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Nitroanisole, liquid	6.1	UN2730	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Nitroanisoles, solid	6.1	UN3458	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Nitrobenzene	6.1	UN1662	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	m-Nitrobenzene	Forbiddén											
	chlorate												
	Nitrobenzenesulfonic acid	8	UN2305	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	A	25, 27E
	Nitrobenzol, see Nitrobenzene												
	5-Nitrobenzotriazol	1.1D	UN0385	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	04	25
	Nitrobenzotrifluorides, liquid	6.1	UN2306	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Nitrobenzotrifluorides, solid	6.1	UN3431	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Nitrobenzenes, liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Nitrobenzenes, solid	6.1	UN3459	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25, 27E
	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass	1.1D	UN0340	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	04	25, 27E
	Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass mixture with or without plasticizer, with or without pigment	4.1	UN2557	II	4.1	44, W31	151	212	240	1 kg	15 kg	D	28, 36
	Nitrocellulose 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	25
	Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	1.3C	UN0343	.....	1.3C	.....	None	62	None	Forbiddén	Forbiddén	04	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

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

§ 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)
	Nitrohydrochloric acid	8	UN1798	I	8	B10, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 66, 74, 89, 90
	<i>Nitromannite (dry)</i> Nitromannite, wetted, see Mannitol hexanitrate, etc	Forbidden											
	Nitromethane	3	UN1261	II	3		150	202	None	Forbidden	60 L	A	
	<i>Nitromuriatic acid</i> , see Nitrohydrochloric acid												
	Nitronaphthalene	4.1	UN2538	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Nitrophenols (o-, m-, p-)	6.1	UN1663	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	<i>m-Nitrophenyldinitro methane</i> 4-Nitrophenylhydrazine, with not less than 30 percent water, by mass	Forbidden											
	Nitropropanes	3	UN2608	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	34
	<i>p-Nitrosodimethylaniline</i>	4.2	UN1369	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	D	
	Nitrostarch, dry or wetted with less than 20 percent water, by mass	1.1D	UN0146	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrostarch, wetted with not less than 20 percent water, by mass	4.1	UN1337	I	4.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	D	28, 36
	<i>Nitrosigars (dry)</i> Nitrosyl chloride	Forbidden											
	Nitrosylsulfuric acid, liquid	2.3	UN1069	.....	2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitrosylsulphuric acid, solid	8	UN2308	II	8	A3, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	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	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrous oxide	2.2	UN1070	.....	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40

Nitrous oxide, refrigerated liquid	2.2	UN2201	2.2,	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	D	40
Nitroxylene, liquid	6.1	UN1665	5.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Nitroxylene, solid	6.1	UN3447	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nitroxyl, see Nitroxylene											
Nonanes	3	UN1920	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc.											
Nonliquefied gases, see Compressed gases, etc.											
Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s.											
Nonyltrichlorosilane	8	UN1799	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 Bicycle [2,2,1] hepta-2,5-diene, stabilized											
Octadecyltrichlorosilane	8	UN1800	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Octadiene	3	UN2309	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,7-Octadine-3,5-diyne-1,8-dimethyl-9-octadecyenoic acid	Forbidd										
Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN2422	2.2		None	304	314, 315	75 kg	150 kg	A	
Octafluorocyclobutane, or Refrigerant gas RC 318	2.2	UN1976	2.2	T50	None	304	314, 315	75 kg	150 kg	A	
Octafluoropropane or Refrigerant gas R 218	2.2	UN2424	2.2	T50	None	304	314, 315	75 kg	150 kg	A	
Octanes	3	UN1262	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
Octogen, etc. see Cyclooctamethylene tetranitramine, etc.											
Octoite or Octol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0266	1.1D		None	62	None	Forbidden	Forbidden	04	25
Octonal	1.1D	UN0496	1.1D		None	62	None	Forbidden	Forbidden	04	25
Octyl aldehydes	3	UN1191	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Octyltrichlorosilane	8	UN1801	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,	6	None	304	314, 315	Forbidden	25 kg	D	40
2.1											
Oleum, see Sulfuric acid, fuming											
Organic peroxide type A, liquid or solid	Forbidd										
Organic peroxide type B, liquid	5.2	UN3101	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 25, 52, 53

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organic peroxide type B, liquid, temperature controlled	5.2	UN3111	.....	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type B, solid	5.2	UN3102	.....	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	.....	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, liquid	5.2	UN3103	.....	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	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, solid	5.2	UN3104	.....	5.2	.....	152	225	None	5 kg	10 kg	D	12, 25, 52, 53
G	Organic peroxide type C, solid, temperature controlled	5.2	UN3114	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, liquid	5.2	UN3105	.....	5.2	.....	152	225	None	5 L	10 L	D	12, 25, 52, 53
G	Organic peroxide type D, liquid, temperature controlled	5.2	UN3115	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, solid	5.2	UN3106	.....	5.2	.....	152	225	None	5 kg	10 kg	D	12, 25, 52, 53
G	Organic peroxide type D, solid, temperature controlled	5.2	UN3116	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, liquid	5.2	UN3107	.....	5.2	A61	152	225	None	10 L	25 L	D	12, 25, 52, 53
G	Organic peroxide type E, liquid, temperature controlled	5.2	UN3117	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, solid	5.2	UN3108	.....	5.2	.....	152	225	None	10 kg	25 kg	D	12, 25, 52, 53
G	Organic peroxide type E, solid, temperature controlled	5.2	UN3118	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type F, liquid	5.2	UN3109	.....	5.2	A61, IP5	152	225	225	10 L	25 L	D	12, 25, 52, 53
G	Organic peroxide type F, liquid, temperature controlled	5.2	UN3119	.....	5.2	IP5	None	225	225	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type F, solid	5.2	UN3110	.....	5.2	TP33	152	225	225	10 kg	25 kg	D	12, 25, 52, 53
G	Organic peroxide type F, solid, temperature controlled	5.2	UN3120	.....	5.2	TP33	None	225	225	Forbidden	Forbidden	D	2, 25, 52, 53

D	2.3	NA1955	2.3	3	334	None	Forbidden	Forbidden	D	40
D	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	4.2 UN3313	4.2	IB8, IP2, IP4, T3, TP33	212	241	15 kg	50 kg	C	40
		6.1 UN3280	4.2 6.1	IB8, IP3, T1, TP33 5, T14, TP2, TP13, TP27	213 201	241 242	25 kg 1 L	100 kg 30 L	C B	
G	Organoarsenic compound, liquid, n.o.s.	6.1 UN3465	6.1	IB2, T11, TP2, TP27	202	242	5 L	60 L	B	40
		6.1 UN3465	6.1	IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	203 211	241 242	60 L 5 kg	220 L 50 kg	A B	
G	Organochlorine pesticides liquid, flammable, toxic, flash point less than 23 degrees C	3 UN2762	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	B	40
		3 UN2762	6.1 3, 6.1	IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	213 201	240 243	100 kg Forbidden	200 kg 30 L	A B	
G	Organochlorine pesticides, liquid, toxic	6.1 UN2996	6.1	IB2, T11, TP2, TP13, TP27	202	243	1 L	60 L	B	40
		6.1 UN2996	6.1	T14, TP2, TP13, TP27	201	243	1 L	30 L	B	
G	Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1 UN2995	6.1	IB2, T11, TP2, TP13, TP27	202	243	5 L	60 L	B	40
		6.1 UN2995	6.1, 3	IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	203 201	241 243	60 L 1 L	220 L 30 L	A B	
G	Organochlorine pesticides, solid, toxic	6.1 UN2761	6.1	IB2, T11, TP2, TP13, TP27	202	243	5 L	60 L	B	40
		6.1 UN2761	6.1, 3	B1, IB3, T7, TP2, TP28 IB7, IP1, T6, TP33	203 211	242 242	60 L 5 kg	220 L 50 kg	A A	
G	Organometallic compound, liquid, toxic, n.o.s	6.1 UN3282	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	40
		6.1 UN3282	6.1	IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	213 201	240 242	100 kg 1 L	200 kg 30 L	A B	
G	Organometallic compound, solid, toxic, n.o.s	6.1 UN3467	6.1	IB2, T11, TP2, TP27	202	242	5 L	60 L	B	40
		6.1 UN3467	6.1	IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	203 211	241 242	60 L 5 kg	220 L 50 kg	A B	
G	Organometallic substance, liquid, pyrophoric	4.2 UN3392	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	B	13, 78, 148
		4.2 UN3392	4.2	IB8, IP3, T1, TP33 B11, T21, TP2, TP7, TP36	213 181	240 244	100 kg Forbidden	200 kg Forbidden	A D	
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.2 UN3394	4.2	B11, T21, TP2, TP7, TP36	181	244	Forbidden	Forbidden	D	13, 52, 78, 148, 13, 40, 52, 148
		4.3 UN3398	4.3	T13, TP2, TP7, TP36, TP47, W31	201	244	Forbidden	1 L	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
			(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
G	Organometallic substance, liquid, water-reactive, flammable	4.3	UN3399	I	4.3, 3	IB1, IP2, T7, TP2, TP7, TP36, TP47, W31	None	202	243	1 L	5 L	D	13, 40, 52, 148
							None	203	242	5 L	60 L	E	13, 40, 52, 148
							None	201	244	Forbidden	1 L	D	13, 40, 52, 148
							None	202	243	1 L	5 L	D	13, 40, 52, 148
							None	203	242	5 L	60 L	E	13, 40, 52, 148
							None	187	244	Forbidden	Forbidden	D	13, 148
G	Organometallic substance, solid, pyrophoric	4.2	UN3391	I	4.2	B11, T21, TP7, TP33, TP36, TP47	None	187	244	Forbidden	Forbidden	D	13, 52, 148
G	Organometallic substance, solid, pyrophoric, water-reactive	4.2	UN3393	I	4.2, 4.3	IB6, T3, TP33, TP36	None	212	242	15 kg	50 kg	C	
G	Organometallic substance, solid, self-heating	4.2	UN3400	II	4.2	IB8, T1, TP33, TP36	None	213	242	25 kg	100 kg	C	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive	4.3	UN3395	I	4.3	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
							151	212	242	15 kg	50 kg	E	13, 40, 52, 148
							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	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
							151	212	242	15 kg	50 kg	E	13, 40, 52, 148
							151	213	241	25 kg	100 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive, self-heating	4.3	UN3397	I	4.3, 4.2	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
							None	212	242	15 kg	50 kg	E	13, 40, 52, 148
							None	213	241	25 kg	100 kg	E	13, 40, 52, 148
							None	213	241	25 kg	100 kg	E	13, 40, 52, 148
							None	201	243	1 L	30 L	B	40
							None	201	243	1 L	30 L	B	40

G	Organophosphorus compound, liquid, toxic, n.o.s	6.1	UN3278	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				I	6.1		5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B
G	Organophosphorus compound, solid, toxic, n.o.s	6.1	UN3464	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	
		3	UN2784	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
				II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	5 kg	B	
		3	UN2784	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	
		3	UN2784	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	
		6.1	UN3018	I	6.1	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	
				II	6.1	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	
6.1	UN3017	III	6.1	IB3, N76, T7, TP2, TP28	153	203	241	60 L	220 L	A			
		I	6.1, 3	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B			
6.1	UN2783	II	6.1, 3	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B			
		III	6.1, 3	B1, IB3, N76, T7, TP2, TP28	153	203	242	60 L	220 L	A			
6.1	UN2788	I	6.1	IB7, IP1, N77, T6, TP33	None	211	242	5 kg	50 kg	A			
		II	6.1	IB8, IP2, IP4, N77, T3, TP33	153	212	242	25 kg	100 kg	A			
6.1	UN2788	III	6.1	IB8, IP3, N77, T1, TP33	153	213	240	100 kg	200 kg	A			
		I	6.1	N33, N34, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B			
6.1	UN3146	II	6.1	A3, IB2, N33, N34, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A			
		III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A			
3	UN2787	I	6.1	A5, 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	A			
3	UN2787	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
		I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B			
6.1	UN3020	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B			
		I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B			
6.1	UN3020	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B			
		III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A			

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D G	Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3019	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
							153	202	243	5 L	60 L	B	40
							153	203	242	60 L	220 L	A	40
D G	Organotin pesticides, solid, toxic	6.1	UN2786	I	6.1, 3	B1, IB3, T7, TP2, TP28	None	211	242	5 kg	50 kg	A	40
							153	212	242	25 kg	100 kg	A	40
							153	213	240	100 kg	200 kg	A	40
D G	Ortho-nitroaniline, see Nitroanilines etc	6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34, T6, TP33, W31	None	211	242	5 kg	50 kg	B	40
							155	203	241	No limit	No limit	A	
							155	213	240	No limit	No limit	A	
D G	Other regulated substances, liquid, n.o.s	9	NA3082	III	9	A189, IB3, T2, TP1	155	203	241	No limit	No limit	A	
							155	213	240	No limit	No limit	A	
							62	201	244	Forbidden	2.5 L	D	13, 56, 58, 138
D G	Other regulated substances, solid, n.o.s	9	NA3077	III	9	384, B54, IB8, IP2, T1, TP33	None	201	244	Forbidden	2.5 L	D	13, 56, 58, 138
							None	202	243	1 L	5 L	B	13, 56, 58, 138
							152	203	242	2.5 L	30 L	B	13, 56, 58, 138
G	Oxidizing liquid, corrosive, n.o.s	5.1	UN3098	I	5.1, 8	62, 127, A2	None	201	243	Forbidden	2.5 L	D	56, 58, 138
							None	202	242	1 L	5 L	B	56, 58, 138
							152	203	241	2.5 L	30 L	B	56, 58, 138
G	Oxidizing liquid, toxic, n.o.s	5.1	UN3139	III	5.1	62, 127, 148, A2, IB2	None	201	244	Forbidden	2.5 L	D	56, 58, 138
							None	202	243	1 L	5 L	B	56, 58, 138
							152	203	242	2.5 L	30 L	B	56, 58, 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
							None	211	242	1 kg	15 kg	D	13, 56, 58, 138
							None	211	242	1 kg	15 kg	D	13, 56, 58, 138

G	Oxidizing solid, flammable, n.o.s.	5.1	UN3137	I	5.1, 4.1	62, IB6, IP2, T3, TP33	152	214	214	242	5 kg	25 kg	B	13, 34, 56, 58, 138
G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	62, IB5, IP1	None	211	242	242	1 kg	15 kg	D	56, 58, 106, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	I	5.1, 4.2	62, IB8, IP2, IP4, T3, TP33	152	214	214	242	5 kg	25 kg	B	56, 58, 106, 138
G	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1	62, IB6, IP2, T3, TP33	152	211	242	242	1 kg	15 kg	D	56, 58, 138
G	Oxidizing solid, water reactive, n.o.s.	5.1	UN3121	.....	5.1, 4.3	62, IB8, IP3, T1, TP33	152	214	214	242	25 kg	100 kg	B	56, 58, 106, 138
	Oxygen, compressed	2.2	UN1072	.....	2.2, 5.1	110, A14	306	302	314, 315	314, 315	75 kg	150 kg	A	
	Oxygen difluoride, compressed	2.3	UN2190	.....	2.3, 5.1, 8	1, N86	None	304	None	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)	9	NA3356	.....	5.1	.....	None	168	None	None	Forbidden	25 kg	D	56, 58, 69, 106
+	Oxygen generator, chemical, spent	2.2	UN1073	.....	2.2, 5.1	T75, TP5, TP22	320	213	None	None	Forbidden	Forbidden	A	
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base	3	UN1263	.....	3	367, T11, TP1, TP8, TP27	150	201	243	243	1 L	30 L	E	
		II		.....	3	149, 367, 383, B52, B131, IB2, T4, TP1, TP8, TP28	150	173	242	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)
	Paint or Paint related material	8	UN3066	II	3	367, B1, B52, B131, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
				II	8	367, B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40
				III	8	367, B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40
		8	UN3470	II	8, 3	367, IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40
		3	UN3469	I	3, 8	367, T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40
				II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40
				III	3, 8	367, IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40
		3	UN1263	I	3	367, T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
		3	UN1263	II	3	149, 367, 363, B52, B131, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
		8	UN3470	II	8, 3	367, B1, B52, B131, IB3, T2, TP1, TP29	154	173	242	60 L	220 L	A	
		3	UN3469	I	3, 8	367, IB2, T7, TP2, TP8, TP28	None	201	243	0.5 L	2.5 L	E	40
				II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40
				III	3, 8	367, IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40
		4.2	UN1379	III	4.2	IB8, IP3, W31	None	213	241	Forbidden	Forbidden	A	

	Paraformaldehyde	4.1	UN2213	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Paraldehyde	3	UN1264	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
D	Nitroanilines, <i>solid</i> , see Nitroanilines <i>etc</i>												
	Parathion and compressed gas mixture	2.3	NA1967		2.3		3	334	245	Forbidden	Forbidden	E	40
	<i>Paris green, solid</i> , see Copper acetoarsenite												
+	PCB, see <i>Polychlorinated biphenyls</i>												
	Pentaborane	4.2	UN1380	I	4.2, 6.1	1	None	205	245	Forbidden	Forbidden	D	13, 148
	Pentachloroethane	6.1	UN1669	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Pentachlorophenol	6.1	UN3155	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Pentaerythrite tetranitrate (<i>dry</i>)	Forbidden											
	Pentaerythrite tetranitrate mixture, desensitized, <i>solid, n.o.s.</i> or Pentaerythritol tetranitrate mixture, desensitized, <i>solid, n.o.s.</i> or PETN mixture, desensitized, <i>solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass</i>	4.1	UN3344	II	4.1	118, N85	None	214	None	Forbidden	Forbidden	E	
	Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass	1.1D	UN0411	.....	1.1D	120	None	62	None	Forbidden	Forbidden	04	25
	Pentaerythrite tetranitrate, wetted or wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass	1.1D	UN0150	.....	1.1D	121	None	62	None	Forbidden	Forbidden	04	25
	Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, <i>etc</i>												
	Pentafluoroethane or Refrigerant gas R 125	2.2	UN3220		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Pentamethylheptane	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Pentane-2,4-dione	3	UN2310	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Pentanes	3	UN1265	II	3	T11, TP2	150	201	243	1 L	30 L	E	
	Pentamiracanine (<i>dry</i>)	Forbidden											
	Pentanols	3	UN1105	II	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	1-Pentene (<i>n-amylyene</i>)	3	UN1108	III	3	B1, IB3, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1-Pentol	8	UN2705	II	8	T11, TP2	150	201	243	1 L	30 L	E	
													26, 27

§ 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)
		1.1D	UN0151	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Pentolite, dry or wetted with less than 15 percent water, by mass Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized	5.1	UN3211	II	5.1	IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN1481	III	5.1	IB2, T4, TP1	152	202	241	2.5 L	30 L	B	56, 58, 69, 133
	Perchlorates, inorganic, n.o.s.	5.1	UN1481	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Perchloric acid, with more than 72 percent acid by mass	Forbidden		III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	Perchloric acid, with not more than 50 percent but not more than 72 percent acid, by mass	5.1	UN1873	I	5.1, 8	A2, N41, T10, TP1	None	201	243	Forbidden	2.5 L	D	66
	Perchloric acid with not more than 50 percent acid by mass	8	UN1802	II	8, 5.1	IB2, N41, T7, TP2	None	202	243	Forbidden	30 L	C	66
	Perchloroethylene, see Tetrachloroethylene	6.1	UN1670	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Perchloromethyl mercaptan	2.3	UN3083		2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Perchloryl fluoride												
	Percussion caps, see Primers, cap type												
	Perfluoro-2-butene, see Octafluorobut-2-ene	2.1	UN3154		2.1		306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfluoro(ethyl vinyl ether)	2.1	UN3153		2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfluoro(methyl vinyl ether)	3	UN1266	II	3	149, IB2, T4, TP1, TP8	150	202	242	15 L	60 L	B	
	Perfumery products with flammable solvents			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

G	Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	II	5.1	26, 353, IB2, T4, TP1	152	202	242	1 L	5 L	D	56, 58, 133, 138
G	Permanganates, inorganic, n.o.s.	5.1	UN1482	II	5.1	26, 353, A30, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
	Permeation devices for calibrating air quality monitoring equipment See § 173.175			III	5.1	26, 353, A30, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	D	56, 58, 13
	Peroxides, inorganic, n.o.s.	5.1	UN1483	II	5.1	A7, A20, IB6, IP2, N34, T3, TP33, W100	None	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
	<i>Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide</i>			III	5.1	A7, A20, B134, IB8, IP21, N34, T1, TP33, W100	152	213	240	25 kg	100 kg	C	13, 52, 66, 75, 148
	Persulfates, inorganic, aqueous solution, n.o.s.	5.1	UN3216	III	5.1	IB2, T4, TP1, TP29	152	203	241	2.5 L	30 L	A	56, 58, 133
	Persulfates, inorganic, n.o.s.	5.1	UN3215	III	5.1	IB8, IP3, T1, TP33	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	3, 6.1	B5, T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
G	Pesticides, liquid, toxic, flammable, n.o.s. flash point not less than 23 degrees C	6.1	UN2903	I	6.1, 3	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	B1, IB3, T7, TP2	153	203	242	60 L	220 L	A	40
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
G	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	I	6.1	IB7, 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
	PETN, see Pentaerythrite tetranitrate												
	PETN/TNT, see Pentolite, etc												
	Petrol, see Gasoline												
	Petroleum crude oil	3	UN1267	I	3	144, 357, T11, TP1, TP8	150	201	243	1 L	30 L	E	
				II	3	144, 357, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
				III	3	144, 357, 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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
D	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	3	UN1268	I	3	144, T11, TP1, TP8	150	201	243	1 L	30 L	E	
										5 L	60 L	B	
										60 L	220 L	A	
D	Petroleum gases, liquefied or Liquefied petroleum gas	2.1	UN1075	.....	2.1	T50, N95	306	304	314, 315	Forbidden	150 kg	E	40
										None			
										None			
I	Petroleum oil	3	NA1270	I	3	144, T11, TP1	None	201	243	1 L	30 L	E	
										150	60 L	B	
										150	220 L	A	
I	Petroleum sour crude oil, flammable, toxic	3	UN3494	I	3, 6.1	343, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40
										None			
										None			
+	Phenacyl bromide	6.1	UN2645	II	3, 6.1	343, B2, T7, TP2	150	202	243	1 L	60 L	D	40
										150	220 L	C	40
										153	100 kg	B	40
+	Phenelidines	6.1	UN2311	III	6.1	IP2, IP4, T3, TP33	153	212	242	25 kg	220 L	A	40
										153	220 L	A	40
										153	220 L	A	40
+	Phenol, molten	6.1	UN2312	II	6.1	B14, T7, TP3	None	202	243	Forbidden	Forbidden	B	40
										153	100 kg	A	
										153	100 kg	A	
+	Phenol, solid	6.1	UN1671	II	6.1	IP2, IP4, N78, T3, TP33	153	212	242	25 kg	100 kg	A	40
										153	100 kg	A	40
										153	100 kg	A	40
+	Phenol solutions	6.1	UN2821	II	6.1	B2, T7, TP2	153	202	243	5 L	60 L	A	40
										153	220 L	A	40
										154	30 L	C	14
+	Phenolsulfonic acid, liquid	8	UN1803	II	8	B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	40
										154	30 L	C	40
										154	30 L	C	40
+	Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C	3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
										Forbidden	30 L	B	40
										Forbidden	30 L	B	40
+	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
										150	60 L	B	40
										153	60 L	B	40
+	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	III	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
										153	60 L	B	40
										153	60 L	B	40

	6.1	UN3347	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C			II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Phenoxyacetic acid derivative pesticide, solid, toxic	6.1	UN3345	I	6.1	IB3, T7, TP2, TP28 IB7, IP1, T6, TP33	None	211	241 242	60 L 5 kg	220 L 50 kg	A A	40 40
Phenyl chloroformate	6.1	UN2746	II	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	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	None	227	244	Forbidden	Forbidden	D	40
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
Phenylacetamide, 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	I	6.1	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	None	202	242	1 L	30 L	C	40
Phenylenediamines (<i>o</i> -, <i>m</i> -, <i>p</i> -)	6.1	UN1673	III	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Phenyhydrazine	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	153	212	242	25 kg	100 kg	A	40
Phenylmercuric hydroxide	6.1	UN1894	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	25 kg	100 kg	A	40
Phenylmercuric nitrate	6.1	UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	200 kg	A	40
Phenyltrichlorosilane	8	UN1804	II	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 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
Cyclooctadiene phosphines	2.3	UN2199	II	2.3	A19, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	A	40
Phosphine	2.3	UN2199	II	2.3	1	None	192	245	Forbidden	Forbidden	D	40
Phosphine, adsorbed	2.3	UN3525	.....	2.1	1	None	302c	None	Forbidden	Forbidden	D	40
Phosphoric acid solution	8	UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	40
Phosphoric acid, solid	8	UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	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)
	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, W31	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, W31, W40	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, W31	None	212	240	15 kg	50 kg	B	74

Phosphorus tribromide	8	UN1808	II	8	A3, A7, B2, B25, IB2, N34, N43, T7, TP2	None	202	242	Forbidden	30 L	C	40
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, W31	None	212	240	15 kg	50 kg	B	13, 74, 147, 148
Phosphorus, white dry or Phosphorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus, yellow, in solution	4.2	UN1381	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31, W31	None	188	243	Forbidden	Forbidden	E	
Phosphorus (white or red) and a chlorate, mixtures of	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None	188	243	Forbidden	Forbidden	D	
Phosphoryl chloride, see Phosphorus oxychloride	Forbidden											
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	40
Picolines	3	UN2313	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
Picric acid, see Trinitrophenol, etc												
Picric acid, see Nitroquinidine, etc												
Picryl chloride, see Trinitrochlorobenzene												
Pine oil	3	UN1272	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
alpha-Phene	3	UN2368	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Piperazine	8	UN2579	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25, 52
Piperidine	8	UN2401	I	8, 3	A10, T10, TP2	None	201	243	0.5 L	2.5 L	B	52
Pivaloyl chloride, see Trimethylacetyl chloride												
Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor	9	UN3314	III	9	32, IB8, IP3, IP7	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
Plastic solvent, n.o.s., see Flammable liquids, n.o.s.												
Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2	UN2006	III	4.2		None	213	None	Forbidden	Forbidden	C	
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, liquid base material	3	UN3269	.....	3	40, 149	165	165	None	5 kg	5 kg	B	
	Polyester resin kit, solid base material	4.1	UN3527	.....	4.1	40, 157	165	165	None	5 kg	5 kg	B	
	Polyhalogenated biphenyls, liquid or Halogenated monomethyl/diphenyl-methanes, liquid or Polyhalogenated terphenyls, liquid	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95
	Polyhalogenated biphenyls, solid or Halogenated monomethyl/diphenyl-methanes, 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
G	Polymerizing substance, liquid, stabilized, n.o.s.	4.1	UN3532	III	4.1	387, 421, IB3, IP19, N92, T7, TP4, TP6	None	203	241	10 L	25 L	D	25, 52, 53
G	Polymerizing substance, liquid, temperature controlled, n.o.s.	4.1	UN3534	III	4.1	387, 421, IB3, IP19, N92, T7, TP4, TP6	None	203	241	Forbidden	Forbidden	D	2, 25, 52, 53
G	Polymerizing substance, solid, stabilized, n.o.s.	4.1	UN3531	III	4.1	387, 421, IB7, IP19, N92, T7, TP4, TP6, TP33	None	213	240	10 kg	25 kg	D	25, 52, 53
G	Polymerizing substance, solid, temperature controlled, n.o.s.	4.1	UN3533	III	4.1	387, 421, IB7, IP19, N92, T7, TP4, TP6, TP33	None	213	240	Forbidden	Forbidden	D	2, 25, 52, 53

Potassium	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7, TP33, W32	151	211	244	Forbidden	15 kg	D	13, 52, 148
Potassium arsenate	6.1	UN1677	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Potassium arsenite	6.1	UN1678	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.												
Potassium borohydride	4.3	UN1870	I	4.3	A19, N40, W32	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			III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133, 69, 133
Potassium cuprocyanide	6.1	UN1679	II	6.1	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, W31	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, W31	None	201	243	1 L	30 L	B	52
			II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	5 L	60 L	B	52
			III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	203	241	60 L	220 L	A	52
Potassium dichloro isocyanurate or Potassium dichloro-s-triazirine, see triazirine, n.o.s.												
Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc												
Potassium dithionite or Potassium hydrosulfite	4.2	UN1929	II	4.2	A8, A19, A20, IB6, IP2, T3, TP33, W31	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	
Potassium fluoroarsenate	6.1	UN2655	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Potassium hydrate, see Potassium hydroxide, solid												
Potassium hydrogen fluoride, see Potassium hydrogen difluoride												
Potassium hydrogen fluoride solution, see Corrosive liquid, 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)
	Potassium hydrogen sulfate	8	UN2509	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	
	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
	Potassium hydrosulfite, see Potassium dithionite			III	8, 6.1	IB3, N3, N34, T4, TP1	154	203	241	5 L	60 L	A	40, 52
	Potassium hydroxide, liquid, see Potassium hydroxide solution	8	UN1813	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	Potassium hydroxide, solid	8	UN1814	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52
	Potassium hydroxide, solution	8	UN1814	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
	Potassium hypochlorite, solution, see Hypochlorite solutions, etc	4.3	UN1420	I	4.3	A7, A19, A20, B27, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
	Potassium, metal alloys, liquid	4.3	UN3403	I	4.3	A19, A20, B27, IB4, IP1, T9, TP7, TP33, W32	None	211	244	Forbidden	15 kg	D	13, 52, 148
	Potassium, metal alloys, solid	6.1	UN2864	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	148
	Potassium metavanadate	8	UN2033	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52
	Potassium monoxide	5.1	UN1486	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
	Potassium nitrate	5.1	UN1487	II	5.1	B78, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
	Potassium nitrate and sodium nitrite mixtures	5.1	UN1488	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium nitrite	5.1	UN1489	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium perchlorate	5.1	UN1490	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	56, 58, 138
	Potassium permanganate	5.1	UN1491	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	C	13, 52, 66, 75, 148
	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, W32	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 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	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)
	Projectiles, inert with tracer	1.4S	UN0345	.....	1.4S	.....		62	62	25 kg	100 kg	01	25
	Projectiles, inert, with tracer	1.3G	UN0424	.....	1.3G	.....		62	62	Forbidden	Forbidden	03	25
	Projectiles, inert, with tracer	1.4G	UN0425	.....	1.4G	.....		62	62	Forbidden	75 kg	02	25
	Projectiles, with burster or expelling charge	1.2D	UN0346	.....	1.2D	.....		62	62	Forbidden	Forbidden	04	25
	Projectiles, with burster or expelling charge	1.4D	UN0347	.....	1.4D	.....		62	62	Forbidden	75 kg	02	25
	Projectiles, with burster or expelling charge	1.2F	UN0426	.....	1.2F	.....		62	None	Forbidden	Forbidden	05	25
	Projectiles, with burster or expelling charge	1.4F	UN0427	.....	1.4F	.....		62	None	Forbidden	Forbidden	05	25
	Projectiles, with burster or expelling charge	1.2G	UN0434	.....	1.2G	.....		62	62	Forbidden	Forbidden	03	25
	Projectiles, with burster or expelling charge	1.4G	UN0435	.....	1.4G	.....		62	62	Forbidden	75 kg	02	25
	Projectiles, with bursting charge	1.1F	UN0167	.....	1.1F	.....		62	None	Forbidden	Forbidden	05	25
	Projectiles, with bursting charge	1.1D	UN0168	.....	1.1D	.....		62	62	Forbidden	Forbidden	04	25
	Projectiles, with bursting charge	1.2D	UN0169	.....	1.2D	.....		62	62	Forbidden	Forbidden	04	25
	Projectiles, with bursting charge	1.2F	UN0324	.....	1.2F	.....		62	None	Forbidden	Forbidden	05	25
	Projectiles, with bursting charge	1.4D	UN0344	.....	1.4D	.....		62	62	Forbidden	75 kg	02	25
	Propadiene, stabilized	2.1	UN2200	.....	2.1	387	None	304	314, 315	Forbidden	150 kg	B	25, 40
	Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized												
	Propane, see also Petroleum gases, liquefied												
	Propanethiols	2.1	UN1978	.....	2.1	19, T50, N95	306	304	314, 315	Forbidden	150 kg	E	40
	n-Propanol or Propyl alcohol, normal	3	UN2402	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	95, 102
		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	.....	1.3C	.....	37	62	None	Forbidden	Forbidden	04	25
	Propellant, solid	1.1C	UN0498	.....	1.1C	.....	37	62	None	Forbidden	Forbidden	04	25
	Propellant, solid	1.3C	UN0499	.....	1.3C	.....		62	None	Forbidden	Forbidden	04	25, 26E
	Propellant, solid	1.4C	UN0501	.....	1.4C	.....		62	None	Forbidden	75 kg	02	25, 26E

§ 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)
	Pyrethroid pesticide, solid, toxic	6.1	UN3349	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
	Pyridine	3	UN1282	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	<i>Pyridine perchlorate</i>	Forbidden		II	3	IB2, T4, TP2	None	202	242	5 L	60 L	B	21, 100
G	Pyrophoric liquid, inorganic, n.o.s	4.2	UN3194	I	4.2	.....	None	181	244	Forbidden	Forbidden	D	13, 78, 148
G	Pyrophoric liquids, organic, n.o.s	4.2	UN2845	I	4.2	B11, T22, TP2, TP7, W31	None	187	244	Forbidden	Forbidden	D	13, 78, 148
G	Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s	4.2	UN1383	I	4.2	B11, T21, TP7, TP33, W31	None	187	242	Forbidden	Forbidden	D	13, 148
G	Pyrophoric solid, inorganic, n.o.s	4.2	UN3200	I	4.2	T21, TP7, TP33, W31	None	187	242	Forbidden	Forbidden	D	13, 148
G	Pyrophoric solids, organic, n.o.s	4.2	UN2846	I	4.2	B2, IB2, T8, TP2	None	187	242	Forbidden	Forbidden	D	13, 148
G	Pyrosulfuryl chloride	8	UN1817	II	8		154	202	242	1 L	30 L	C	40
	<i>Pyroxilin solution or solvent, see Nitrocellulose</i>												
	Pyrrolidine	3	UN1922	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52
	<i>Quebrachitol pentanitrate</i>	Forbidden											
	<i>Quicklime, see Calcium oxide</i>												
	Quinoline	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25
	R 12, see Dichlorodifluoromethane												
	R 12B1, see Chlorodifluoromethane												
	R 13, see Chlorotrifluoromethane												
	R 13B1, see Bromotrifluoromethane												
	R 14, see Tetrafluoromethane												
	R 21, see Dichlorodifluoromethane												
	R 22, see Chlorodifluoromethane												
	R 114, see Dichlorotetrafluoroethane												
	R 115, see 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	7	UN2909	None	422, 426	422, 426	422, 426	A	95, 129
R 503, see Chlorotrifluoromethane and trifluoromethane, etc	7	UN2908	Empty	422, 428	422, 428	422, 428	A	95, 129
Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium	7	UN2911	None	422, 424	422, 424	422, 424	A	95, 129
Radioactive material, excepted package-instruments or articles	7	UN2910	None	368	421, 422	421, 422	A	95, 129
Radioactive material, excepted package-limited quantity of material	7	UN2912	7	A56, T5, TP4, W7	427	427	A	95, 129
Radioactive material, low specific activity (LSA-I) non fissile or fissile-excepted	7	UN3321	7	A56, T5, TP4, W7	427	427	A	95, 129
Radioactive material, low specific activity (LSA-II) non fissile or fissile-excepted	7	UN3322	7	A56, T5, TP4, W7	427	427	A	95, 150
Radioactive material, low specific activity (LSA-III) non fissile or fissile excepted	7	UN2913	7	A56	427	427	A	95
Radioactive material, surface contaminated objects (SCO-I) or SCO-II) non fissile or fissile-excepted	7	UN2919	7	A56, 139	417	417	A	95, 105
Radioactive material, transported under special arrangement, non fissile or fissile excepted	7	UN3331	7	A56, 139	417	417	A	95, 105
Radioactive material, transported under special arrangement, fissile	7	UN3327	7	A56, W7, W8	453	417	A	95, 105, 131
Radioactive material, Type A package, fissile non-special form	7	UN2915	7	A56, W7, W8	None	415, 418, 419	A	95, 130
Radioactive material, Type A package non-special form, non fissile or fissile-excepted	7	UN3332	7	A56, W7, W8	415, 476	415, 476	A	95
Radioactive material, Type A package, special form non fissile or fissile-excepted	7	UN3333	7	A56, W7, W8	453	417, 476	A	95, 105
Radioactive material, Type A package, special form, fissile	7	UN3329	7	A56	453	417	A	95, 105
Radioactive material, Type B(M) package, fissile	7	UN2917	7	A56	416	416	A	95, 105
Radioactive material, Type B(M) package non fissile or fissile-excepted	7	UN2917	7	A56	416	416	A	95, 105

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

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

§ 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)	Rocket motors	1.2C	UN0281	.....	1.2C	109	None	62	62	Forbidden	Forbidden	04	25
	Rocket motors	1.4C	UN0510	.....	1.4C	109	None	62	62	Forbidden	Forbidden	02	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 liq-uids with or without an expelling charge	1.3L	UN0250	.....	1.3L	109	None	62	None	Forbidden	Forbidden	05	25, 14E, 14E, 15E
	Rocket motors with hypergolic liq-uids with or without an expelling charge	1.2L	UN0322	.....	1.2L	109	None	62	None	Forbidden	Forbidden	05	25, 14E, 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	Forbidden	03	25
	Rockets, line-throwing	1.4G	UN0453	.....	1.4G	.....	None	62	None	Forbidden	Forbidden	02	25
	Rockets, liquid fueled with bursting charge	1.1J	UN0397	.....	1.1J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rockets, liquid fueled with bursting charge	1.2J	UN0398	.....	1.2J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rockets, with bursting charge	1.1F	UN0180	.....	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25
	Rockets, with bursting charge	1.1E	UN0181	.....	1.1E	.....	None	62	None	Forbidden	Forbidden	04	25
	Rockets, with bursting charge	1.2E	UN0182	.....	1.2E	.....	None	62	None	Forbidden	Forbidden	04	25
	Rockets, with bursting charge	1.2F	UN0295	.....	1.2F	.....	None	62	None	Forbidden	Forbidden	05	25
Rockets, with expelling charge	1.2C	UN0436	.....	1.2C	.....	None	62	None	Forbidden	Forbidden	04	25	
Rockets, with expelling charge	1.3C	UN0437	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25	
Rockets, with expelling charge	1.4C	UN0438	.....	1.4C	.....	None	62	None	Forbidden	Forbidden	02	25	
Rockets, with inert head	1.3C	UN0183	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25	
Rockets, with inert head	1.2C	UN0502	.....	1.2C	.....	None	62	None	Forbidden	Forbidden	02	25, 5E	
Rosin oil		3	UN1286	II 3	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	
Rubber solution		3	UN1287	III 3	3	B1, IB3, T2, TP1	None	203	242	60 L	220 L	A	
Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content ex-ceeding 45%		4.1	UN1345	III 3	4.1	149, IB2, T4, TP1, TP8	None	202	242	5 L	60 L	B	
Rubidium		4.1	UN1345	II 4.1	4.1	B1, IB3, T2, TP1	None	203	242	60 L	220 L	A	
						IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	A	
		4.3	UN1423	I 4.3	4.3	22, A7, A19, IB4, IP1, N34, N40, N45, W32	None	211	242	Forbidden	15 kg	D	13, 52, 148

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	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 liquid, toxic, organic, n.o.s.	4.2	UN3184	II	4.2, 6.1	IB2, W31	None	203	241	5 L	60 L	C	
G	Self-heating solid, corrosive, inorganic, n.o.s.	4.2	UN3192	III	4.2, 6.1	IB2, W31	None	203	241	5 L	60 L	C	
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	
G	Self-heating solid, organic, n.o.s.	4.2	UN3088	III	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Self-heating solid, oxidizing, n.o.s.	4.2	UN3127	II	4.2, 5.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	.....
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2	UN3191	II	4.2, 6.1	IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	C	
G	Self-propelled vehicle, see Engines or Batteries etc	4.1	UN3221	.....	4.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-reactive liquid type B	4.1	UN3231	.....	4.1	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	25, 52, 53, 127
G	Self-reactive liquid type C	4.1	UN3223	.....	4.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	2, 25, 52, 53
G	Self-reactive liquid type C, temperature controlled	4.1	UN3233	.....	4.1	.....	None	224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53

G	Self-reactive liquid type D	4.1	UN3225	.....	4.1	.....	151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type D, temperature controlled	4.1	UN3235	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type E	4.1	UN3227	.....	4.1	.....	151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type E, temperature controlled	4.1	UN3237	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type F	4.1	UN3229	.....	4.1	.....	151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type F, temperature controlled	4.1	UN3239	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type B	4.1	UN3222	.....	4.1	.....	53	224	None	Forbidden	Forbidden	D	25, 52, 53, 127
G	Self-reactive solid type B, temperature controlled	4.1	UN3232	.....	4.1	.....	53	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type C	4.1	UN3224	.....	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type C, temperature controlled	4.1	UN3234	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type D	4.1	UN3226	.....	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type D, temperature controlled	4.1	UN3236	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type E	4.1	UN3228	.....	4.1	.....	151	224	None	10 kg	25 kg	D	25, 52, 53
G	Self-reactive solid type E, temperature controlled	4.1	UN3238	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type F	4.1	UN3230	.....	4.1	.....	151	224	None	10 kg	25 kg	D	25, 52, 53
G	Self-reactive solid type F, temperature controlled	4.1	UN3240	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
	Shale oil	3	UN1288	I 3 II 3 III 3	1 3 2 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 5 L 60 L	30 L 60 L 220 L	B B A	25, 52, 53
	Shaped charges, see Charges, shaped, etc												
	Signal devices, hand	1.4G	UN0191	.....	1.4G	.....	381	62	None	Forbidden	75 kg	02	25
	Signal devices, hand	1.4S	UN0373	.....	1.4S	.....	381	62	None	25 kg	100 kg	01	25
	Signals, distress, ship	1.1G	UN0194	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, distress, ship	1.3G	UN0195	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Signals, distress, ship	1.4G	UN0505	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Signals, distress, ship	1.4S	UN0506	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Signals, highway, see Signal devices, hand												
	Signals, railway track, explosive	1.1G	UN0192	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, railway track, explosive	1.4S	UN0193	.....	1.4S	.....	381	62	None	25 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

§ 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>Signals, ship distress, water-acti-vated, see</i> Contrivances, water-activated, etc												
	Signals, smoke	1.1G	UN0196	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4G	UN0197	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Signals, smoke	1.2G	UN0313	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.3G	UN0487	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4S	UN0507	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Silane	2.1	UN2203	.....	2.1	.....	None	302	None	Forbidden	Forbidden	E	40, 57, 104
	<i>Silicofluoric acid, see</i> Fluorosilicic acid												
	<i>Silicon chloride, see</i> Silicon tetra-chloride												
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	74
	Silicon tetrachloride	8	UN1818	II	8	A3, B2, B6, T10, TP2, TP7, TP13	None	202	242	Forbidden	30 L	C	40
	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
	<i>Silver acetylde (dry)</i>	Forbidden											
	<i>Silver arsenite</i>	6.1	UN1683	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Silver azide (dry)</i>	Forbidden											
	<i>Silver chloride (dry)</i>	Forbidden											
	<i>Silver cyanide</i>	6.1	UN1684	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52
	<i>Silver fulminate (dry)</i>	5.1	UN1493	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
	<i>Silver nitrate</i>	Forbidden											
	<i>Silver oxalate (dry)</i>	Forbidden											
	<i>Silver picrate (dry)</i>	4.1	UN1347	I	4.1	23, W31	None	211	None	Forbidden	Forbidden	D	28, 36
	<i>Silver picrate, wetted with not less than 30 percent water, by mass</i>	8	UN1906	II	8	A3, A7, B2, IB2, N34, T8, TP2, TP28	None	202	242	Forbidden	30 L	C	14
	Sludges, acid	4.1	NA3178	I	4.1	16	None	171	None	Forbidden	7.3 kg	A	
D	Smokeless powder for small arms (100 pounds or less)	8	UN1907	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.
	Soda lime with more than 4 percent sodium hydroxide												

§ 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)	Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	40, 52
	Sodium cyanide, solid	6.1	UN1689	I	6.1	B69, B77, IB7, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	B	52
	Sodium cyanide solution	6.1	UN3414	I	6.1	B69, B77, N74, N75, T14, TP2, TP13, W31	None	201	243	1 L	30 L	B	52
(1)	Sodium cuprocyanide, solution	6.1	UN2317	II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	5 L	60 L	B	52
	Sodium cyanide, solid	6.1	UN1689	III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	203	241	60 L	220 L	A	52
	Sodium cyanide solution	6.1	UN3414	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
(1)	Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc	1.3C	UN0234	.....	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, N64, W31	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, W31	None	211	None	1 kg	15 kg	E	28, 36
(1)	Sodium dithionite or Sodium hydro-sulfite	4.2	UN1384	II	4.2	A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	E	13
	Sodium fluoride, solid	6.1	UN1690	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium fluoride solution	6.1	UN3415	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
(1)	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 hy-droxide, solid	4.3	UN1427	I	4.3	A19, N40, W32	None	211	242	Forbidden	15 kg	E	13, 52, 148
(1)	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, W31	None	212	241	15 kg	50 kg	A	52

Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	52
Sodium hydrosulfite, see Sodium dithionite												
Sodium hydroxide, solid	8	UN1823	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
Sodium hydroxide solution	8	UN1824	III	8	B2, IB2, N34, T7, TP2 IB3, N34, T4, TP1	154	202 203	242 241	1 L 5 L	30 L 60 L	A A	52. 52.
Sodium hypochlorite, solution, see Hypochlorite solutions etc												
Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.												
Sodium methylate	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33, W31	None	212	242	15 kg	50 kg	B	
Sodium methylate solutions in alcohol	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	243	1 L	5 L	B	
Sodium monoxide	8	UN1825	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Sodium nitrate	5.1	UN1498	III	5.1	IB8, IP2, IP4, T3, TP33 A1, A29, B120, IB8, IP3, T1, TP33, W1	154 152	212 213	240 240	15 kg 25 kg	50 kg 100 kg	A A	52.
Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
Sodium nitrite	5.1	UN1500	III	5.1, 6.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Sodium perborate monohydrate	5.1	UN3377	III	5.1	B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 25, 75
Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 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, W32	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
Sodium picramate, dry or wetted with less than 20 percent water, by mass	1.3C	UN0235	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
Sodium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1349	I	4.1	23, A8, A19, N41, W31	None	211	None	Forbidden	15 kg	E	28, 36
Sodium picryl peroxide	Forbidden											
Sodium potassium alloys, see Potassium sodium alloys												
Sodium selenate, see Selenates or Selenites												

§ 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)	Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization Sodium sulfide, hydrated with not less than 30 percent water Sodium superoxide	4.2 8 5.1	UN1385 UN1849 UN2547	II II I	4.2 8 5.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40 IB8, IP2, IP4, T3, TP33 A20, IB6, IP1, N34	None 154 None	212 212 211	241 240 None	15 kg 15 kg Forbidden	50 kg 50 kg 15 kg	A A D	52 52 13, 52, 66, 75, 148
G	Sodium tetranitride	Forbidden	UN3244	II	8	49, IB5, T3, TP33	154	212	240	15 kg	50 kg	B	40
G	Solids containing corrosive liquid, n.o.s.	Forbidden	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	240	15 kg	50 kg	B	40
G	Solids containing flammable liquid, n.o.s.	6.1	UN3243	II	6.1	48, IB2, T2, TP33	153	212	240	25 kg	100 kg	B	40
	Sounding devices, explosive	1.2F	UN0204	.....	1.2F	.....	None	62	62	Forbidden	Forbidden	05	25
	Sounding devices, explosive	1.1F	UN0296	.....	1.1F	.....	None	62	62	Forbidden	Forbidden	05	25
	Sounding devices, explosive	1.1D	UN0374	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25
	Sounding devices, explosive	1.2D	UN0375	.....	1.2D	.....	None	62	62	Forbidden	Forbidden	04	25
	Spirits of salt, see Hydrochloric acid Squibs, see Igniters etc	8	UN1827	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	
	Stannic chloride, anhydrous	8	UN2440	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Stannic chloride pentahydrate	4.3	UN1433	I	4.3, 6.1	A19, N40, W32	None	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
	Steel swarf, see Ferrous metal borings, etc	2.3	UN2676		2.3, 2.1	1	None	304	None	Forbidden	Forbidden	D	40
	Sibine	2.3	UN2676		2.3, 2.1	1	None	304	None	Forbidden	Forbidden	D	40
	Storage batteries, wet, see Batteries, wet etc	6.1	UN1691	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58
	Strontium arsenite	5.1	UN1506	II	5.1	A1, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	
	Strontium chlorate	5.1	UN1507	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Strontium nitrate	5.1	UN1508	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58

Strontium peroxide	5.1	UN1509	II	5.1	IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
Strontium phosphide	4.3	UN2013	I	4.3, 6.1	A19, N40, W32	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
Strychnine or Strychnine salts Styphnic acid, <i>see</i> Tritiroscrocinol, etc	6.1	UN1692	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Styrene monomer, stabilized Substances, explosive, n.o.s.	3 1.1L	UN2055 UN0357	III	3 1.1L	387, B1, IB3, T2, TP1 101	150 None	203 62	242 None	60 L Forbidden	220 L Forbidden	C 05	25, 25, 14E, 15E, 25, 25, 14E, 15E, 25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.2L	UN0358	.....	1.2L	101	None	62	None	Forbidden	Forbidden	05	25, 25, 14E, 15E, 25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.3L	UN0359	.....	1.3L	101	None	62	None	Forbidden	Forbidden	05	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.1A	UN0473	.....	1.1A	101, 111	None	62	None	Forbidden	Forbidden	05	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.1C	UN0474	.....	1.1C	101	None	62	None	Forbidden	Forbidden	04	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.1D	UN0475	.....	1.1D	101	None	62	None	Forbidden	Forbidden	04	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.1G	UN0476	.....	1.1G	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.3C	UN0477	.....	1.3C	101	None	62	None	Forbidden	Forbidden	04	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.3G	UN0478	.....	1.3G	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.4C	UN0479	.....	1.4C	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.4D	UN0480	.....	1.4D	101	None	62	None	Forbidden	75 kg	02	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.4S	UN0481	.....	1.4S	101	None	62	None	Forbidden	75 kg	02	25, 25, 14E, 15E
Substances, explosive, n.o.s.	1.4G	UN0485	.....	1.4G	101	None	62	None	Forbidden	75 kg	02	25, 25, 14E, 15E
Substances, explosive, very insensitiv, n.o.s. or Substances, EVI, n.o.s.	1.5D	UN0482	.....	1.5D	101	None	62	None	Forbidden	Forbidden	03	25, 25, 14E, 15E
Substituted nitrophenol pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2780	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3014	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3013	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Substituted nitrophenol pesticides, liquid, toxic	6.1	UN3014	I	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3013	I	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	6.1	IB7, IP1, T6, TP33	None	201	243	1 L	30 L	B	40
Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D I	<i>Sucrose octanitrate (dry)</i> Sulfamic acid Sulfur Sulfur Sulfur and chlorate, loose mixtures of Sulfur chlorides <i>Sulfur dichloride, see Sulfur chlorides</i> Sulfur dioxide <i>Sulfur dioxide solution, see Sulfurous acid</i> Sulfur hexafluoride	Forbidden 8 9 4.1 Forbidden 8 2.3 2.2 9 4.1 2.3 8	(4) UN2967 NA1350 UN1350	(5) II III III III III	(6) 6.1 6.1 8 9 4.1	(7) IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB8, IP3, T1, TP33 30, B120, IB8, IP2 30, B120, IB8, IP3, T1, TP33	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
							153	212	242	25 kg	100 kg	A	40
							153	213	240	100 kg	200 kg	A	40
							154	213	240	25 kg	100 kg	A	25, 74
			None	None	None	None	None	240	No Limit	A	25, 74		
			None	None	None	None	None	240	25 kg	A	25, 74		
			None	None	None	None	None	201	Forbidden	2.5 L	C	40	
			None	None	None	None	None	304	Forbidden	Forbidden	D	40	
			None	None	None	None	None	306	304	75 kg	A		
			None	None	None	None	None	213	Forbidden	Forbidden	C	61	
			None	None	None	None	None	213	Forbidden	Forbidden	C	74	
			None	None	None	None	None	302	Forbidden	Forbidden	D	40, 52	
			None	None	None	None	None	227	Forbidden	Forbidden	A	25, 40	
			None	None	None	None	None	201	Forbidden	2.5 L	C	14, 40	
			None	None	None	None	None	227	Forbidden	Forbidden	C		
			None	None	None	None	None	202	Forbidden	30 L	C	14	

§ 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>Tetraethylammonium perchlorate (dry)</i>	Forbidden											
	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		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Tetrafluoroethylene, stabilized	2.1	UN1081	.....	2.1	387	306	304	None	Forbidden	150 kg	E	25, 40
	Tetrafluoromethane or Refrigerant gas R 14	2.2	UN1982		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	II	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	
	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
	<i>Tetramethylene diperoxide dicarbamide</i>	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	
	<i>Tetranitro diglycerin</i>	Forbidden											
	Tetranitroaniline	1.1D	UN0207	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tetranitromethane	6.1	UN1510	I	6.1, 5.1	2, B32, T20, TP2, TP13, TP38, TP44	None	227	None	Forbidden	Forbidden	D	40, 6
	2,3,4,6-Tetranitrophenol	Forbidden											
	2,3,4,6-Tetranitrophenyl methyl nitramine	Forbidden											
	2,3,4,6-Tetranitrophenylnitramine	Forbidden											
	Tetranitrosocinol (dry)	Forbidden											
	2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden											
	2,3,5,6-Tetranitroso nitrobenzene (dry)	Forbidden											
	Tetrapropylthiothianate	3	UN2413	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	

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Proper shipping name	UN number	Label	PG	1.4C 1.1D	None	62	None	Forbiddn Forbiddn	75 kg Forbiddn	02 04	25 25, 5E
Tetrazene, <i>see</i> Guanyl nitrosaminoquanyltetrazene												
Tetrazine (dry)	UN0407	Forbiddn	.....	1.4C	.....	None	62	None	Forbiddn	75 kg	02	25
Tetrazol-1-acetic acid	UN0504	1.4C	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25, 5E
1H-tetrazole												
Tetrazolyl azide (dry)												
Tetryl, <i>see</i> Trinitrophenylmethylnitramine												
Textile waste, wet	UN1857	4.2	III	4.2	IB6, IP2, T3, TP33	151	213	240	Forbiddn	Forbiddn	A	56, 58
Thallium chlorate	UN2573	5.1	II	5.1, 6.1		152	212	242	Forbiddn	25 kg	A	
Thallium compounds, n.o.s	UN1707	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Thallium nitrate	UN2727	6.1	II	6.1, 5.1	IB6, IP2, T3, TP33	153	212	242	5 kg	25 kg	A	
4-Thiapentanal	UN2785	6.1	III	6.1	IB3, T4, TP1, W31	153	203	241	60 L	220 L	D	25, 49
Thioacetic acid	UN2436	3	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	UN2772	3	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	B	
Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	UN3005	6.1	II	3, 6.1 6.1, 3	IB2, T11, TP13, TP27 T14, TP2, TP13	150	202	243	1 L	60 L	B	40
Thiocarbamate pesticide, liquid, toxic	UN3006	6.1	III	6.1, 3 6.1	IB2, T11, TP2, TP13, TP27 IB3, T7, TP2, TP28 T14, TP2, TP13	153	203	242	60 L	220 L	A	40
Thiocarbamate pesticides, solid, toxic	UN2771	6.1	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Thiocarbonylchloride, <i>see</i> Thiophosgene												
Thioglycol	UN2966	6.1	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Thioglycolic acid	UN1940	8	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	
Thiolactic acid	UN2936	6.1	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Thionyl chloride	UN1836	8	I	8	B6, B10, N34, T10, TP2, TP13	None	201	243	Forbiddn	Forbiddn	C	
Thiophene	UN2414	3	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Thiophosgene	UN2474	6.1	I	6.1	2, B9, B14, B32, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40, 52
Thiophosphoryl chloride	UN1837	8	II	8	A3, A7, B2, B8, B25, IB2, N34, T7, TP2	None	202	242	Forbiddn	30 L	C	40
Thiourea dioxide	UN3341	4.2	II	4.2	IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	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	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>Tin chloride, fuming, see Stannic chloride, anhydrous</i> <i>Tin perchlorate or Tin tetrachloride, see Stannic chloride, anhydrous</i> Tinctures, medicinal	3	UN1293	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	D		
	<i>Tinning flux, see Zinc chloride</i> Tires and tire assemblies, see Air, compressed or Nitrogen, com-pressed	4.2	UN3174	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	A		
	Titanium disulphide	4.1	UN1871	II	4.1	A19, A20, IB4, N34, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	E		
	Titanium hydride	4.2	UN2546	I	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33, W31	None	211	242	Forbidden	Forbidden	D	13, 148	
	Titanium powder, dry	II	4.2	II	4.2	B135, IB8, IP21, T1, TP33, W31	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 mi-crons	4.1	UN1352	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None	212	240	25 kg	100 kg	D	13, 148	
	Titanium sponge granules or Tita-nium sponge powders	4.1	UN2878	III	4.1	A1, B134, IB8, IP21, T1, TP33, W100	None	213	240	25 kg	100 kg	D	13, 74, 147, 148	
+	Titanium tetrachloride	6.1	UN1838	I	6.1, 8	2, B7, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
	Titanium trichloride mixtures	8	UN2869	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	40	
				III	8	A7, IB8, IP3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	40	

	4.2	UN2441	I	4.2, 8	N34, W31	None	181	244	Forbidden	Forbidden	D	13, 40, 148
Titanium trichloride, pyrophoric or pyrophoric titanium trichloride mixtures, TNT mixed with aluminum, see Tritonal	3	UN1294	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
TNT, see Trinitrotoluene, etc	6.1	UN2078	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	D	25, 40
Toluene	6.1	UN1708	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Toluene dithiocyanate	6.1	UN3451	II	6.1	IB8, IP2, T3, TP33	153	212	242	25 kg	100 kg	A	
Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc	6.1	UN1709	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Tolidines, liquid	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Tolidines, solid	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
2,4-Toluylenediamine, solid or 2,4-Toluylenediamine solution	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
2,4-Toluylenediamine solution	1.3J	UN0450	.....	1.3J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
Torpedoes, liquid fueled, with inert head	1.1J	UN0449	.....	1.1J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
Torpedoes, liquid fueled, with or without bursting charge	1.1E	UN0329	.....	1.1E	.....	.....	62	62	Forbidden	Forbidden	04	25
Torpedoes with bursting charge	1.1F	UN0330	.....	1.1F	.....	.....	62	None	Forbidden	Forbidden	05	25
Torpedoes with bursting charge	1.1D	UN0451	.....	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

§ 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 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
G	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
G	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	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	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, 40, 49, 148
G	Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m 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	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	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	None	201	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	I	6.1, 8	IB2, T11, TP2, TP27	153	203	241	5 L	60 L	A	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	IB3, T7, TP1, TP28	153	201	243	0.5 L	2.5 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1, 3	T14, TP2, TP13, TP27	153	202	243	1 L	30 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1, 5.1	IB2, T11, TP2, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	II	6.1, 8	A4	None	201	243	Forbidden	2.5 L	C	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB2	153	202	243	1 L	5 L	C	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	A4	None	201	243	Forbidden	1 L	E	13,40, 148
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB7, T6, TP33	None	202	243	1 L	5 L	E	13,40, 148
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB6, IP2, T3, TP33	153	212	242	1 kg	25 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB7, T6, TP33	None	211	242	15 kg	50 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	5 kg	100 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	III	6.1, 8	IB8, IP3, T1, TP33 IB7, T6, TP33	153 None	213 211	240 242	100 kg 1 kg	200 kg 25 kg	A B	40 40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	II	6.1, 8	IB6, IP2, T3, TP33 IB6, T6, TP33	153 None	212 211	242 242	15 kg 1 kg	50 kg 15 kg	B B	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	I	6.1, 4.1	IB8, IP2, IP4, T3, TP33 IB7, T6, TP33	153 None	212 211	242	15 kg	50 kg	B	
G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	III	6.1, 5.1	IB8, IP2, IP4, T3, TP33 IB8, T6, TP33	153 None	213 212	240 242	100 kg 25 kg	200 kg 100 kg	B B	
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	I	6.1, 4.2	IB8, IP3, T1, TP33 IB8, T6, TP33	153 None	213 211	240 242	100 kg 1 kg	200 kg 15 kg	A C	
G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	I	6.1, 4.3	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	C	
G	Toxins, extracted from living sources, liquid, n.o.s.	6.1	UN3172	I	6.1	A5, T6, TP33	None	211	242	5 kg	15 kg	D	40
G	Toxins, extracted from living sources, solid, n.o.s.	6.1	UN3462	I	6.1	IB6, IP2, T3, TP33 A5, T6, TP33, W100	None	212 211	242 242	15 kg 5 kg	50 kg 15 kg	D D	40 40
D	Toy Caps Tracers for ammunition Tracers for ammunition Tractors, see Vehicle, etc Tri-(<i>n</i> -nitroxyethyl) ammonium ni-trate Triallyl borate Triethylamine	1.4S 1.3G 1.4G Forbidden	NA0337 UN0212 UN0306	III III I	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	201 202 203 211 212 213	243 243 241 243 243	1 L 5 L 60 L 5 kg	30 L 60 L 220 L 50 kg	B B B B	13, 40, 148 40 40
		6.1	UN2609	III	6.1	B1, IB3, T4, TP1	153	203	241	60 L	220 L	A	13
		3	UN2610	III	3, 8		None	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)
D	Trifluorochloroethylene, stabilized or Refrigerant gas R 1113	2.3	UN1082	.....	2.3, 2.1	3, 387, B14, T50	None	304	314, 315	Forbidden	Forbidden	D	25, 40
	Trifluoromethane or Refrigerant gas R 23	2.2	UN1984		2.2		306	304	314, 315	75 kg	150 kg	A	
	Trifluoromethane, refrigerated liquid	2.2	UN3136		2.2	T75, TP5	306	None	314, 315	50 kg	500 kg	D	
	1,1,1-Trifluoroethane or Refrigerant gas, R 143a	2.1	UN2035		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	2-Trifluoromethylaniline	6.1	UN2942	III	6.1	IB3	153	203	241	60 L	220 L	A	
	3-Trifluoromethylaniline	6.1	UN2948	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Trifluoromethane trinitrate	Forbidden											
	Trisobutylene	3	UN2324	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Triisopropyl borate	3	UN2616	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
				I	6.1, 3	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	E	40
	Trimethoxysilane	6.1	NA9269										
	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	I	3, 8	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	III	3, 8	B1, IB3, T2, TP2	150	203	242	5 L	60 L	A	40, 41	
			III	3, 8	A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	E	40	
Trimethylcyclohexylamine	8	UN2326	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
Trimethylene glycol dipchlorate	Forbidden												
Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	IB3, T4, TP2, TP13	153	203	241	60 L	220 L	B		
Trimethylhexamethylenediamines	8	UN2327	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
Trimethylol nitromethane trinitrate	Forbidden												

Tritinitro-m-cresol	1.1D	UN0216	.....	1.1D	.....	None	62	None	Forbiddn	04	25, 5E
2,4,6-Tritiro-1,3-diazobenzene	Forbiddn										
2,4,6-Tritiro-1,3,5-triazido benzene (dry)	Forbiddn										
Tritiroacetic acid	Forbiddn										
Tritiroacetoneitrile	Forbiddn										
Tritiroamine cobalt	Forbiddn										
Tritiroaniline or Picramide	1.1D	UN0153	.....	1.1D		None	62	None	Forbiddn	04	25
Tritiroanisole	1.1D	UN0213	.....	1.1D		None	62	None	Forbiddn	04	25
Tritirobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	.....	1.1D		None	62	None	Forbiddn	04	25
Tritirobenzene, wetted, with not less than 10% water, by mass	4.1	UN3367	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	E	28, 36
Tritirobenzene, wetted with not less than 30 percent water, by mass	4.1	UN1354	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	E	28, 36
Tritirobenzenesulfonic acid	1.1D	UN0386	.....	1.1D		None	62	None	Forbiddn	04	25, 5E
Tritirobenzoic acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0215	.....	1.1D		None	62	None	Forbiddn	04	25
Tritirobenzoic acid, wetted with not less than 10% water, by mass	4.1	UN3368	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	E	28, 36
Tritirobenzoic acid, wetted with not less than 30 percent water, by mass	4.1	UN1355	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	E	28, 36
Tritirochlorobenzene or Picryl chloride	1.1D	UN0155	.....	1.1D		None	62	None	Forbiddn	04	25
Tritirochlorobenzene (picryl chloride), wetted, with not less than 10% water by mass	4.1	UN3365	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	E	28, 36
Tritiroethanol	Forbiddn										
Tritiroethylnitrate	Forbiddn										
Tritirofluorenone	Forbiddn										
Tritirofuranone	1.1D	UN0387	.....	1.1D		None	62	None	Forbiddn	04	25
Tritirofuranone	Forbiddn										
1,3,5-Tritironaphthalene	Forbiddn										
Tritironaphthalene	1.1D	UN0217	.....	1.1D		None	62	None	Forbiddn	04	25
Tritironaphetole	1.1D	UN0218	.....	1.1D		None	62	None	Forbiddn	04	25
Tritirophenol (picric acid), wetted, with not less than 10 percent water by mass	4.1	UN3364	I	4.1	23, A8, A19, N41, N84, W31	None	211	None	0.5 kg	E	28, 36
Tritirophenol or Picric acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0154	.....	1.1D		None	62	None	Forbiddn	04	25, 5E
Tritirophenol, wetted with not less than 30 percent water, by mass	4.1	UN1344	I	4.1	162, A8, A19, N41, W31	None	211	None	1 kg	E	28, 36
2,4,6-Tritirophenyl guanidine (dry)	Forbiddn										
2,4,6-Tritirophenyl nitramine	Forbiddn										
2,4,6-Tritirophenyl trimethylol methyl nitramine trinitrate (dry)	Forbiddn										

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	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)
	Tritrophenylmethylnitramine or Tetryl	1.1D	UN0208	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0219	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Tritroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0394	.....	1.1D	385	None	62	None	Forbidden	Forbidden	04	25, 5E
	2,4,6-Tritroso-3-methyl nitraminoisole	Forbidden											
	Tritrotriamine cobalt nitrate	Forbidden											
	Tritrotoluene and Tritrobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Tritrotoluene and hexanitrostilbene mixtures	1.1D	UN0388	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrotoluene, mixtures containing Tritrobenzene and Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene	1.1D	UN0389	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrotoluene or TNT, dry or wetted with less than 30 percent water, by mass	4.1	UN3366	I	4.1	162, A8, A19, N41, N64, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Tritrotoluene, wetted or TNT, wetted, with not less than 30 percent water by mass	4.1	UN1356	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Tripropylamine	3	UN2260	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	Tripropylene	3	UN2057	II 3	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
				III 3	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Other
UN2501	Tris-(1-aziridinyl)phosphine oxide, solution	II	6.1	IB2, T7, TP2	153	202	243	5 L
UN0390	Tris, bis-bifluoroamino diethoxy propane (TYOPA)	.....	1.1D	.....	None	62	None	Forbiddn
UN2196	Tritonal	.....	2,3,8	.....	None	338	None	Forbiddn
UN1299	Tungsten hexafluoride	III	3	B1, IB3, T2, TP2	150	203	242	220 L
UN1300	Turpentine	I	3	T11, TP1, TP8, TP27	None	201	243	30 L
UN1300	Turpentine substitute	II	3	IB2, T4, TP1	150	202	242	60 L
UN2330	Undecane	III	3	B1, IB3, T2, TP1	150	203	242	220 L
UN3507	Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted	I	6.1, 7, 8	B1, IB3, T2, TP1	150	203	242	220 L
UN1511	Urea hydrogen peroxide	III	5.1, 8	A1, A7, A29, IB8, IP3, T1, TP33	152	213	240	100 kg
UN0220	Urea nitrate, dry or wetted with less than 20 percent water, by mass	.....	1.1D	.....	None	62	None	Forbiddn
UN3370	Urea nitrate, wetted, with not less than 10 percent water by mass	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg
UN1357	Urea nitrate, wetted with not less than 20 percent water, by mass	I	4.1	23, 39, A8, A19, N41, W31	None	211	None	1 kg
UN2058	Urea peroxide, see Urea hydrogen peroxide	II	3	IB2, T4, TP1	150	202	242	5 L
UN2502	Valeraldehyde	II	8, 3	IB2, T4, TP1	154	202	243	1 L
UN3285	Valeric acid, see Corrosive liquids, n.o.s.	I	6.1	A3, A7, B2, IB2, N34, T7, TP2	None	211	242	5 kg
UN2443	Valeryl chloride	III	6.1	IB7, IP1, T6, TP33	153	212	242	25 kg
UN2862	Vanadium compound, n.o.s.	II	8	IB8, IP3, T1, TP33	153	213	240	100 kg
UN2444	Vanadium oxytrichloride	II	8	A3, A7, B2, IB6, IB2, N34, T7, TP2	154	202	242	Forbiddn
UN2475	Vanadium pentoxide, non-fused form	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg
UN2931	Vanadium tetrachloride	I	8	IB8, IP3, T1, TP33	None	201	243	2.5 L
UN3166	Vanadium trichloride	III	8	A7, B4, N34, T10, TP2	154	213	240	100 kg
UN3166	Vanadyl sulfate	.....	9	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg
UN3166	Vehicle, flammable gas powered or powered	.....	9	IB8, IP2, IP4, T3, TP33	153	220	220	100 kg
UN3166	Vehicle, fuel cell, flammable gas powered	.....	9	135, A200	220	220	220	No limit
UN3166	Vehicle, flammable liquid powered or liquid powered	.....	9	135, A200	220	220	220	No limit
UN3166	Vehicle, fuel cell, flammable liquid powered	.....	9	135, A200	220	220	220	No limit
UN1301	Very signal cartridge, see Cartridges, signal	II	3	387, IB2, T4, TP1	150	202	242	5 L
UN1301	Vinyl acetate, stabilized	II	3	387, IB2, T4, TP1	150	202	242	60 L

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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)	
(1)	Vinyl bromide, stabilized	2.1	UN1085	.....	2.1	387, N86, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40
	Vinyl butyrate, stabilized	3	UN2838	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25	
	Vinyl chloride, stabilized	2.1	UN1086	.....	2.1	21, 387, B44, N86, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A		
	Vinyl ethyl ether, stabilized	3	UN1302	I	3	387, T11, TP2	None	201	243	1 L	30 L	D		
	Vinyl fluoride, stabilized	2.1	UN1860	.....	2.1	387, N86	306	304	314, 315	Forbidden	150 kg	E	25, 40
	Vinyl isobutyl ether, stabilized	3	UN1304	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25	
	Vinyl methyl ether, stabilized	2.1	UN1087	.....	2.1	387, B44, T50	306	304	314, 315	Forbidden	150 kg	B	25, 40
	<i>Vinyl nitrate polymer</i>	Forbidden												
	Vinylidene chloride, stabilized	3	UN1303	I	3	387, T12, TP2, TP7	150	201	243	1 L	30 L	D	25, 40	
	Vinylpyridines, stabilized	6.1	UN3073	II	6.1, 3, 8	387, IB1, T7, TP2, TP13	153	202	243	1 L	30 L	B	25, 40, 52, 100	
	Vinyltoluenes, stabilized	3	UN2618	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25	
	Vinyltrichlorosilane	3	UN1305	II	3, 8	A3, A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40	
Warheads, rocket with burster or expelling charge	1.4D	UN0370	.....	1.4D	.....	None	62	62	Forbidden	75 kg	02	25	
Warheads, rocket with burster or expelling charge	1.4F	UN0371	.....	1.4F	.....	None	62	None	Forbidden	Forbidden	05	25	
Warheads, rocket with bursting charge	1.1D	UN0286	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25	
Warheads, rocket with bursting charge	1.2D	UN0287	.....	1.2D	.....	None	62	62	Forbidden	Forbidden	04	25	
Warheads, rocket with bursting charge	1.1F	UN0369	.....	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25	
Warheads, torpedo with bursting charge	1.1D	UN0221	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25	
Water-reactive liquid, corrosive, n.o.s.		UN3129	I	4.3, 8	T14, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D	13, 148		
			II	4.3, 8	IB1, T11, TP2, TP7	None	202	243	1 L	5 L	E	13, 85, 148		
			III	4.3, 8	IB2, T7, TP2, TP7	None	203	242	5 L	60 L	E	13, 148		

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G	Water-reactive liquid, n.o.s	4.3	UN3148	I	4.3	T13, TP2, TP7, TP41, IB1, T7, TP2, TP7, W31	None	201	244	Forbidden	1 L	E	13, 40, 148
				II	4.3	IB1, T7, TP2, TP7, W31	None	202	243	1 L	5 L	E	13, 40, 148
				III	4.3	IB2, T7, TP2, TP7, W31	None	203	242	5 L	60 L	E	13, 40, 148
G	Water-reactive liquid, toxic, n.o.s	4.3	UN3130	I	4.3, 6.1	A4	None	201	243	Forbidden	1 L	D	13, 148
				II	4.3, 6.1	IB1	None	202	243	1 L	5 L	E	13, 85, 148
				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	UN3131	I	4.3, 8	IB4, IP1, N40, T9, TP7, TP33, W31	None	211	242	Forbidden	15 kg	D	13, 148
				II	4.3, 8	IB6, IP2, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 85, 148
				III	4.3, 8	IB8, IP4, T1, TP33, W31	151	213	241	25 kg	100 kg	E	13, 85, 148
G	Water-reactive solid, flammable, n.o.s	4.3	UN3132	I	4.3, 4.1	IB4, N40, W31	None	211	242	Forbidden	15 kg	D	13, 148
				II	4.3, 4.1	IB4, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 148
				III	4.3, 4.1	IB6, T1, TP33, W31	151	213	241	25 kg	100 kg	E	13, 148
G	Water-reactive solid, n.o.s	4.3	UN2813	I	4.3	IB4, N40, T9, TP7, TP33, W32	None	211	242	Forbidden	15 kg	E	13, 40, 148
				II	4.3	B132, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 40, 148
				III	4.3	B132, IB8, IP21, T1, TP33, W31	151	213	241	25 kg	100 kg	E	13, 40, 148
G	Water-reactive, solid, oxidizing, n.o.s	4.3	UN3133	II	4.3, 5.1	.....	None	214	214	Forbidden	Forbidden	E	13, 40, 148
				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	UN3135	I	4.3, 4.2	N40, W31	None	211	242	Forbidden	15 kg	E	13, 148
				II	4.3, 4.2	IB5, IP2, T3, TP33, W31, W40	None	212	242	15 kg	50 kg	E	13, 148
				III	4.3, 4.2	IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	E	13, 148
G	Water-reactive solid, toxic, n.o.s	4.3	UN3134	I	4.3, 6.1	A8, IB4, IP1, N40, W31	None	211	242	Forbidden	15 kg	D	13, 148
				II	4.3, 6.1	IB5, IP2, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 85, 148
				III	4.3, 6.1	IB8, IP4, T1, TP33, W31	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>												

§ 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)	
A I W	Wood preservatives, liquid	3	UN1306	II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	40	
	Wool waste, wet	4.2	UN1387	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Xanthates	4.2	UN3342	II	4.2	IB6, IP2, T3, TP33, W31	151	213	240	Forbidden	Forbidden	A	40	
	Xenon, compressed	2.2	UN2036	III	4.2	IB8, IP3, T1, TP33, W31	None	212	241	241	15 kg	50 kg	D	40
	Xenon, refrigerated liquid (cryogenic liquids)	2.2	UN2591	II	2.2	775, TP5	306, 307	302	None	None	75 kg	150 kg	A	40
	Xylenes	3	UN1307	II	3	IB2, T4, TP1	320	None	None	None	50 kg	500 kg	D	40
	Xylenols, solid	6.1	UN2261	III	3	B1, IB3, T2, TP1	150	202	242	242	5 L	60 L	B	40
	Xylenols, liquid	6.1	UN3430	II	6.1	IB8, IP2, IP4, T3, TP33	150	203	242	242	60 L	220 L	A	40
	Xylidines, liquid	6.1	UN1711	II	6.1	IB2, T7, TP2	153	212	242	242	25 kg	100 kg	A	40
	Xylidines, solid	6.1	UN3452	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	A	40
	Xylyl bromide, liquid	6.1	UN1701	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	5 L	60 L	A	40
	Xylyl bromide, solid	6.1	UN3417	II	6.1	A3, A7, IB2, N33, T7, TP2, TP13, W31	None	340	None	None	25 kg	100 kg	D	40
	p-Xylyl diazide	Forbidden				A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	None	340	None	None	25 kg	100 kg	B	40
	Zinc ammonium nitrite	5.1	UN1512	II	5.1	IB8, IP4, T3, TP33	None	212	242	242	5 kg	25 kg	E	
	Zinc arsenate or zinc arsenite or zinc arsenite and zinc arsenite mixtures	6.1	UN1712	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	A	
Zinc ashes	4.3	UN1435	III	4.3	A1, A19, IB8, IP4, T1, TP33, W100	151	213	241	241	25 kg	100 kg	A	13, 148	
Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.														
Zinc bromate	5.1	UN2469	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	240	25 kg	100 kg	A	56, 58	
Zinc chlorate	5.1	UN1513	II	5.1	A9, IB8, IP2, IP4, N34, TP33	152	212	242	242	5 kg	25 kg	A	56, 58	
Zinc chloride, anhydrous	8	UN2331	III	8	IB8, IP3, T1, TP33	None	213	240	240	25 kg	100 kg	A		
Zinc chloride, solution	8	UN1840	III	8	IB3, T4, TP2	154	203	241	241	5 L	60 L	A	52	
Zinc cyanide	6.1	UN1713	I	6.1	IB7, IP1, T6, TP33	None	211	242	242	5 kg	50 kg	A	13, 26, 123	
Zinc dithionite or Zinc hydrosulfite	9	UN1931	III	None	IB8, IP3, T1, TP33	155	204	240	240	100 kg	200 kg	A	52	
Zinc difluorosilicate	6.1	UN2855	III	6.1	IB8, IP3, T1, TP33	153	213	240	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)
(1)	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 mi-crons	4.1	UN1358	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None (8A)	212 (8B)	241 (8C)	15 kg (9A)	50 kg (9B)	E (10A)	13, 74, 147, 148 (10B)
	Zirconium scrap	4.2	UN1932	III	4.2	B135; IB8, IP21, N34, T1, TP33, W31	None (8A)	213 (8B)	240 (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	13, 148 (10B)
	Zirconium suspended in a liquid	3	UN1308	I II III	3 3 3	IB2 B1, IB2 IB8, IP3, T1, TP33	None (8A)	201 (8B)	243 (8C)	Forbidden (9A)	Forbidden (9B)	B (10A)	B (10B)
	Zirconium tetrachloride	8	UN2503	III	8		154 (8A)	213 (8B)	240 (8C)	5 L (9A)	60 L (9B)	B (10A)	A (10B)

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[<i>j</i>]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[<i>c</i>]acridine	100 (45.4)
Benzal chloride	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Benz[<i>a</i>]anthracene	10 (4.54)
1,2-Benzanthracene	10 (4.54)
Benz[<i>a</i>]anthracene, 7,12-dimethyl-	1 (0.454)
Benzenamine	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	100 (45.4)
Benzenamine, 4-chloro-	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)
Benzenamine, 2-methyl-	100 (45.4)
Benzenamine, 4-methyl-	100 (45.4)
Benzenamine, 4,4'-methylenebis[2-chloro-	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	100 (45.4)
Benzenamine, 4-nitro-	5000 (2270)
Benzene	10 (4.54)
Benzenoacetic acid, 4-chloro- 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 Ca(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-butyryl 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-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-	1 (0.454)
2,7:3,6-Dimethanonaphth[2, 3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)-, & metabolites	1 (0.454)
Dimethoate	10 (4.54)
3,3'-Dimethoxybenzidine	100 (45.4)
Dimethylamine	1000 (454)
Dimethyl aminoazobenzene	10 (4.54)
p-Dimethylaminoazobenzene	10 (4.54)
N,N-Dimethylaniline	100 (45.4)
7,12-Dimethylbenz[a]anthracene	1 (0.454)
3,3'-Dimethylbenzidine	10 (4.54)
alpha, alpha-Dimethylbenzylhydroperoxide	10 (4.54)
Dimethylcarbomoyl chloride	1 (0.454)
Dimethylformamide	100 (45.4)
1,1-Dimethylhydrazine	10 (4.54)
1,2-Dimethylhydrazine	1 (0.454)
Dimethylhydrazine, unsymmetrical®	10 (4.54)
alpha, alpha-Dimethylphenethylamine	5000 (2270)
2,4-Dimethylphenol	100 (45.4)
Dimethyl phthalate	5000 (2270)
Dimethyl sulfate	100 (45.4)
Dimetilan	1 (0.454)
Dinitrobenzene (mixed)	100 (45.4)
m-Dinitrobenzene.	
o-Dinitrobenzene.	
p-Dinitrobenzene.	
4,6-Dinitro-o-cresol, and salts	10 (4.54)
Dinitrogen tetroxide®	10 (4.54)
Dinitrophenol	10 (4.54)
2,5-Dinitrophenol.	
2,6-Dinitrophenol.	
2,4-Dinitrophenol	10 (4.54)
Dinitrotoluene	10 (4.54)
3,4-Dinitrotoluene.	
2,4-Dinitrotoluene	10 (4.54)
2,6-Dinitrotoluene	100 (45.4)
Dinoseb	1000 (454)
Di-n-octyl phthalate	5000 (2270)
1,4-Dioxane	100 (45.4)
1,2-Diphenylhydrazine	10 (4.54)
Diphosphoramidate, octamethyl-	100 (45.4)
Diphosphoric acid, tetraethyl ester	10 (4.54)
Dipropylamine	5000 (2270)
Di-n-propylnitrosamine	10 (4.54)
Diquat	1000 (454)

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Famphur	1000 (454)
Ferric ammonium citrate	1000 (454)
Ferric ammonium oxalate	1000 (454)
Ferric chloride	1000 (454)
Ferric fluoride	100 (45.4)
Ferric nitrate	1000 (454)
Ferric sulfate	1000 (454)
Ferrous ammonium sulfate	1000 (454)
Ferrous chloride	100 (45.4)
Ferrous sulfate	1000 (454)
Fluoranthene	100 (45.4)
Fluorene	5000 (2270)
Fluorine	10 (4.54)
Fluoroacetamide	100 (45.4)
Fluoroacetic acid, sodium salt	10 (4.54)
Formaldehyde	100 (45.4)
Formetanate hydrochloride	100 (45.4)
Formic acid	5000 (2270)
Formparanate	100 (45.4)
Fulminic acid, mercury(2 +)salt	10 (4.54)
Fumaric acid	5000 (2270)
Furan	100 (45.4)
2-Furancarboxyaldehyde	5000 (2270)
2,5-Furandione	5000 (2270)
Furan, tetrahydro-	1000 (454)
Furfural	5000 (2270)
Furfuran	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoareido)-, 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-[(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-(methylsulfonyl)-, 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(dimethylcarbamo-dithioato-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 (.000037)
Gadolinium-149	64	100 (3.7)
Gadolinium-151	64	100 (3.7)
Gadolinium-152	64	0.001 (.000037)
Gadolinium-153	64	10 (.37)
Gadolinium-159	64	1000 (37)
Gallium-65	31	1000 (37)
Gallium-66	31	10 (.37)
Gallium-67	31	100 (3.7)
Gallium-68	31	1000 (37)
Gallium-70	31	1000 (37)
Gallium-72	31	10 (.37)
Gallium-73	31	100 (3.7)
Germanium-66	32	100 (3.7)
Germanium-67	32	1000 (37)
Germanium-68	32	10 (.37)
Germanium-69	32	10 (.37)
Germanium-71	32	1000 (37)
Germanium-75	32	1000 (37)
Germanium-77	32	10 (.37)
Germanium-78	32	1000 (37)
Gold-193	79	100 (3.7)
Gold-194	79	10 (.37)
Gold-195	79	100 (3.7)
Gold-198	79	100 (3.7)
Gold-198m	79	10 (.37)
Gold-199	79	100 (3.7)
Gold-200	79	1000 (37)
Gold-200m	79	10 (.37)
Gold-201	79	1000 (37)
Hafnium-170	72	100 (3.7)
Hafnium-172	72	1 (.037)
Hafnium-173	72	100 (3.7)
Hafnium-175	72	100 (3.7)
Hafnium-177m	72	1000 (37)
Hafnium-178m	72	0.1 (.0037)
Hafnium-179m	72	100 (3.7)
Hafnium-180m	72	100 (3.7)
Hafnium-181	72	10 (.37)
Hafnium-182	72	0.1 (.0037)
Hafnium-182m	72	100 (3.7)
Hafnium-183	72	100 (3.7)
Hafnium-184	72	100 (3.7)
Holmium-155	67	1000 (37)
Holmium-157	67	1000 (37)
Holmium-159	67	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

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

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

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

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

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

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

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

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

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

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

LIST OF MARINE POLLUTANTS

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

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LIST OF MARINE POLLUTANTS—Continued

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Allyl alcohol
	Allyl bromide
	ortho-Aminoanisole
	Aminobenzene
	Aminocarb
	Ammonia, anhydrous (l)
	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia
	Ammonia solution relative density less than 0.880 at 15 degrees C in water, with more than 35% but not more than 50% ammonia
	Ammonia solution, relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia, by mass
	Ammonium dinitro-o-cresolate
	n-Amylbenzene
	Aniline
	Aniline oil
PP	Azinphos-ethyl
PP	Azinphos-methyl
	Barium cyanide
	Bendiocarb
	Benomyl
	Benquinox
	Benzyl chlorocarbonate
	Benzyl chloroformate
PP	Binapacryl
	N,N-Bis (2-hydroxyethyl) oleamide (LOA)
	Bleaching powder
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocyane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxnil
	Butanedione
	2-Butenal, stabilized
	Butyl benzyl phthalate
	Butylbenzenes
	N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
PP	2,4-Di-tert-butylphenol
	2, 6-Di-tert-Butylphenol
PP	para-tertiary-butyltoluene
PP	Cadmium compounds
	Cadmium sulphide
	Calcium arsenate
	Calcium arsenate and calcium arsenite, mixtures, solid
	Calcium cyanide
	Calcium hypochlorite, dry with more than 39% available chlorine (8.8% available oxygen)
	Calcium hypochlorite mixture, dry with more than 10% but not more than 39% available chlorine
	Calcium hypochlorite mixture, dry with more than 39% available chlorine (8.8% available oxygen)
	Calcium hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine
	Calcium hypochlorite mixture, dry, corrosive with more than 39% available chlorine (8.8% available oxygen)
	Calcium hypochlorite, hydrated with not less than 5.5% but not more than 16% water

S.M.P. (1)	Marine pollutant (2)
	Calcium hypochlorite, hydrated, corrosive with not less than 5.5% but not more than 16% water
	Calcium hypochlorite, hydrated mixture with not less than 5.5% but not more than 16% water
	Calcium hypochlorite, hydrated mixture, corrosive with not less than 5.5% but not more than 16% water
PP	Campechlor
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
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

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

LIST OF MARINE POLLUTANTS—Continued

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

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

LIST OF MARINE POLLUTANTS—Continued

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

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

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

§ 172.102 Special provisions.

(a) *General.* When column 7 of the § 172.101 table refers to a special provision for a hazardous material, the meaning and requirements of that provision are as set forth in this section. When a special provision specifies packaging or packaging requirements—

(1) The special provision is in addition to the standard requirements for all packagings prescribed in § 173.24 of this subchapter and any other applicable packaging requirements in subparts A and B of part 173 of this subchapter; and

(2) To the extent a special provision imposes limitations or additional requirements on the packaging provisions set forth in column 8 of the § 172.101 table, packagings must conform to the requirements of the special provision.

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

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

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

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

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

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

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

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

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

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

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

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

Code/Special Provisions

1 This material is poisonous by inhalation (see § 171.8 of this subchapter) in Hazard Zone A (see § 173.116(a) or § 173.133(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.

2 This material is poisonous by inhalation (see § 171.8 of this subchapter) in Hazard Zone B (see § 173.116(a) or § 173.133(a) of this subchapter), and must be described as an