

§ 172.1

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Subpart A—General

§ 172.1 Purpose and scope.

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

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

§ 172.3 Applicability.

(a) This part applies to—

(1) Each person who offers a hazardous material for transportation, and

(2) Each carrier by air, highway, rail, or water who transports a hazardous material.

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

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

Subpart B—Table of Hazardous Materials and Special Provisions

§ 172.101 Purpose and use of hazardous materials table.

(a) The Hazardous Materials Table (Table) in this section designates the materials listed therein as hazardous materials for the purpose of transportation of those materials. For each listed material, the Table identifies the hazard class or specifies that the material is forbidden in transportation, and gives the proper shipping name or directs the user to the preferred proper shipping name. In addition, the Table specifies or references requirements in this subchapter pertaining to labeling, packaging, quantity limits aboard aircraft and stowage of hazardous materials aboard vessels.

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

(1) The plus (+) sign fixes the proper shipping name, hazard class and packing group for that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class definition. When the plus sign is assigned to a proper shipping name in Column (1) of the § 172.101 Table, it means that the material is known to pose a risk to humans. When a plus sign is assigned to mixtures or solutions containing a material where the hazard to humans is significantly different from that of the pure material or where no hazard to humans is posed, the material may be described using an alternative shipping name that represents the hazards posed by the material. An appropriate alternate proper shipping name and hazard class may be authorized by the Associate Administrator.

(2) The letter “A” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by an “A” may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

(3) The letter “D” identifies proper shipping names which are appropriate for describing materials for domestic transportation but may be inappropriate for international transportation under the provisions of international regulations (e.g., IMO, ICAO). An alternate proper shipping name may be selected when either domestic or international transportation is involved.

(4) The letter “G” identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description. (See §172.203(k).)

(5) The letter “I” identifies proper shipping names which are appropriate for describing materials in international transportation. An alternate proper shipping name may be selected when only domestic transportation is involved.

(6) The letter “W” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by vessel, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by a “W” may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

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

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters.

Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the IMDG Code. For example “aluminum” may be spelled “aluminium” and “sulphur” may be spelled “sulfur”. However, the word “inflammable” may not be used in place of the word “flammable”.

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

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

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

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

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

peroxide” or “Hydrogen peroxide, aqueous solution *with 30 percent hydrogen peroxide.*” Also, the percent sign (%) may be used in place of the word “percent” when words in italics containing the word “percent” are used in addition to the proper shipping name.

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

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

(9) *Hazardous wastes.* If the word “waste” is not included in the hazardous material description in Column 2 of the Table, the proper shipping name for a hazardous waste (as defined in §171.8 of this subchapter), shall include the word “Waste” preceding the proper shipping name of the material. For example: Waste acetone.

(10) *Mixtures and solutions.* (i) A mixture or solution meeting the definition of one or more hazard class that is not identified specifically by name, comprised of a single predominant hazardous material identified in the Table by technical name and one or more hazardous and/or non-hazardous material, must be described using the proper shipping name of the hazardous material and the qualifying word “mixture” or “solution”, as appropriate, unless—

(A) Except as provided in §172.101(i)(4) the packaging specified in Column 8 is inappropriate to the physical state of the material;

(B) The shipping description indicates that the proper shipping name applies only to the pure or technically pure hazardous material;

(C) The hazard class, packing group, or subsidiary hazard of the mixture or

solution is different from that specified for the entry;

(D) There is a significant change in the measures to be taken in emergencies;

(E) The material is identified by special provision in Column 7 of the §172.101 Table as a material poisonous by inhalation; however, it no longer meets the definition of poisonous by inhalation or it falls within a different hazard zone than that specified in the special provision; or

(F) The material can be appropriately described by a shipping name that describes its intended application, such as “Coating solution”, “Extracts, flavoring” or “Compound, cleaning liquid.”.

(ii) If one or more of the conditions in paragraphs (c)(10)(i)(A) through (F) of this section is satisfied then the proper shipping name selection process in (c)(12)(ii) must be used.

(iii) A mixture or solution meeting the definition of one or more hazard class that is not identified in the Table specifically by name, comprised of two or more hazardous materials in the same hazard class, must be described using an appropriate shipping description (e.g., “Flammable liquid, n.o.s.”). The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as “Alcohol, n.o.s.” rather than “Flammable liquid, n.o.s.”. Some mixtures may be more appropriately described according to their application, such as “Coating solution” or “Extracts, flavoring liquid” rather than by an n.o.s. entry. Under the provisions of subparts C and D of this part, the technical names of at least two components most predominately contributing to the hazards of the mixture or solution may be required in association with the proper shipping name.

(11) Except for a material subject to or prohibited by §173.21, 173.54, 173.56(d), 173.56(e), 173.224(c) or 173.225(b) of this subchapter, a material that is considered to be a hazardous waste or a sample of a material for which the hazard class is uncertain and must be determined by testing may be assigned a tentative proper shipping name, hazard

class, identification number and packing group, if applicable, based on the shipper's tentative determination according to:

(i) Defining criteria in this subchapter;

(ii) The hazard precedence prescribed in § 173.2a of this subchapter;

(iii) The shipper's knowledge of the material;

(iv) In addition to paragraphs (c)(11)(i) through (iii) of this section, for a sample of a material other than a waste, the following must be met:

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

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

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

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

(12) Except when the proper shipping name in the Table is preceded by a plus (+)—

(i) If it is specifically determined that a material meets the definition of a hazard class, packing group or hazard zone, other than the class, packing group or hazard zone shown in association with the proper shipping name, or does not meet the defining criteria for a subsidiary hazard shown in Column 6 of the Table, the material shall be described by an appropriate proper shipping name listed in association with the correct hazard class, packing group, hazard zone, or subsidiary hazard for the material.

(ii) *Generic or n.o.s. descriptions.* If an appropriate technical name is not shown in the Table, selection of a proper shipping name shall be made from the generic or n.o.s. descriptions corresponding to the specific hazard class, packing group, hazard zone, or subsidiary hazard, if any, for the material. The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as "Alcohol, n.o.s." rather than "Flammable liquid, n.o.s.". Some mixtures may be more appropriately described according to their application, such as "Coating solution" or "Extracts, flavoring, liquid", rather than by an n.o.s. entry, such as "Flammable liquid, n.o.s." It should be noted, however, that an n.o.s. description as a proper shipping name may not provide sufficient information for shipping papers and package markings. Under the provisions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in association with the proper shipping name.

(iii) *Multiple hazard materials.* If a material meets the definition of more than one hazard class, and is not identified in the Table specifically by name (e.g., acetyl chloride), the hazard class of the material shall be determined by using the precedence specified in § 173.2a of this subchapter, and an appropriate shipping description (e.g., "Flammable liquid, corrosive n.o.s.") shall be selected as described in paragraph (c)(12)(ii) of this section.

(iv) If it is specifically determined that a material is not a forbidden material and does not meet the definition of any hazard class, the material is not a hazardous material.

(13) *Self-reactive materials and organic peroxides.* A generic proper shipping name for a self-reactive material or an organic peroxide, as listed in Column 2 of the Table, must be selected based on the material's technical name and concentration, in accordance with the provisions of §§ 173.224 or 173.225 of this subchapter, respectively.

(14) A proper shipping name that describes all isomers of a material may be used to identify any isomer of that

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material if the isomer meets criteria for the same hazard class or division, subsidiary risk(s) and packing group, unless the isomer is specifically identified in the Table.

(15) Unless a hydrate is specifically listed in the Table, a proper shipping name for the equivalent anhydrous substance may be used, if the hydrate meets the same hazard class or division, subsidiary risk(s) and packing group.

(16) Unless it is already included in the proper shipping name in the §172.101 Table, the qualifying words “liquid” or “solid” may be added in association with the proper shipping name when a hazardous material specifically listed by name in the §172.101 Table may, due to the differing physical states of the various isomers of the material, be either a liquid or a solid (for example “Dinitrotoluenes, liquid” and “Dinitrotoluenes, solid”). Use of the words “liquid” or “solid” is subject to the limitations specified for the use of the words “mixture” or “solution” in paragraph (c)(10) of this section. The qualifying word “molten” may be added in association with the proper shipping name when a hazardous material, which is a solid in accordance with the definition in §171.8 of this subchapter, is offered for transportation in the molten state (for example, “Alkylphenols, solid, n.o.s., molten”).

(d) *Column 3: Hazard class or Division.* Column 3 contains a designation of the hazard class or division corresponding to each proper shipping name, or the word “Forbidden”.

(1) A material for which the entry in this column is “Forbidden” may not be offered for transportation or transported. This prohibition does not apply if the material is diluted, stabilized or incorporated in a device and it is classed in accordance with the definitions of hazardous materials contained in part 173 of this subchapter.

(2) When a reevaluation of test data or new data indicates a need to modify the “Forbidden” designation or the hazard class or packing group specified for a material specifically identified in the Table, this data should be submitted to the Associate Administrator.

(3) A basic description of each hazard class and the section reference for class

definitions appear in §173.2 of this subchapter.

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

(e) *Column 4: Identification number.* Column 4 lists the identification number assigned to each proper shipping name. Those preceded by the letters “UN” are associated with proper shipping names considered appropriate for international transportation as well as domestic transportation. Those preceded by the letters “NA” are associated with proper shipping names not recognized for international transportation, except to and from Canada. Identification numbers in the “NA9000” series are associated with proper shipping names not appropriately covered by international hazardous materials (dangerous goods) transportation standards, or not appropriately addressed by international transportation standards for emergency response information purposes, except for transportation between the United States and Canada. Those preceded by the letters “ID” are associated with proper shipping names recognized by the ICAO Technical Instructions (IBR, see §171.7 of this subchapter).

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. Packing Groups I, II and III indicate the degree of danger presented by the material is either great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator. Each reference in this column to a material

which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to read “III” on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to requirements of this subchapter.

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

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

(2) Non-bulk packaging. Column 8B references the section in part 173 of this subchapter which prescribes packaging requirements for non-bulk packagings. A “None” in this column means non-bulk packagings are not authorized, except as may be provided by special provisions in Column 7. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to include “§173.203” or “§173.213”, as appropriate for liquids and solids, respectively, on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not

otherwise subject to the requirements of this subchapter.

(3) *Bulk packaging.* Column (8C) specifies the section in part 173 of this subchapter that prescribes packaging requirements for bulk packagings, subject to the limitations, requirements, and additional authorizations of Columns (7) and (8B). A “None” in Column (8C) means bulk packagings are not authorized, except as may be provided by special provisions in Column (7) and in packaging authorizations Column (8B). Additional authorizations and limitations for use of UN portable tanks are set forth in Column 7. For each reference in this column to a material that is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W” and that is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter:

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

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

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

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

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

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

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

(4) A package offered or intended for transportation by aircraft and which is filled with a material forbidden on passenger-carrying aircraft but permitted on cargo aircraft only, or which exceeds the maximum net quantity authorized on passenger-carrying aircraft, shall be labelled with the CARGO AIRCRAFT ONLY label specified in §172.448 of this part.

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

(k) Column 10: Vessel stowage requirements. Column 10A [Vessel stowage] specifies the authorized stowage locations on board cargo and passenger vessels. Column 10B [Other provisions] specifies codes for stowage 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 Nitrosodimethylaniline	3	UN1088	II	3	IB2, T4, TP1	202	242	5 L	60 L	E		
	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													
Acetyl chloride													

§ 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	Air bag inflators, or Air bag modules, or Seat-belt pretensioners. Air, compressed	9 2.2	UN3268 UN1002	III 2.2	9	160, A200 78	166 306, 307	166 302	166 302	25 kg 75 kg	100 kg 150 kg	A A		
	Air, refrigerated liquid, (cryogenic liq-uid)	2.2	UN1003	2.2	5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51	
	Air, refrigerated liquid, (cryogenic liq-uid) 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 hydra-zine) (M86 fuel)	3	UN3165	I	3, 6.1, 8	None	None	172	None	Forbidden	42 L	E		
	Aircraft survival kits, see Life saving appliances etc Alcoholates solution, n.o.s., in alcohol Alcoholic beverages	3 3	UN3274 UN3065	II II	3, 8 3	IB2 24, 149, B1, IB2, T4, TP1	150 150	202 202	243 242	1 L 5 L	5 L 60 L	B A		
	G	Alcohols, n.o.s.	3	UN1987	I	3	24, B1, IB3, N11, T2, TP1	150	203	242	60 L	220 L	A	
			3		II	3	172, T11, TP1, TP8, TP27	4b	201	243	1 L	30 L	E	
			3		III	3	172, IB2, T7, TP1, TP8, TP28	4b, 150	202	242	5 L	60 L	B	
			3		III	3	172, B1, IB3, T4, TP1, TP29	4b, 150	203	242	60 L	220 L	A	
			3	UN1986	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
3				II	3, 6.1	IB2, T11, TP2, TP27	150	202	243	1 L	60 L	B	40	
3			UN1989	III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	60 L	220 L	A		
3				I	3	T11, TP1, TP27	None	201	243	1 L	30 L	E		
3				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B		
3			UN1988	III	3, 6.1	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A		
G	Aldehydes, flammable, toxic, n.o.s.	3		I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40	
		3		III	3, 6.1	IB2, T11, TP2, TP27	150	202	243	1 L	60 L	B	40	

G	Aldo	6.1 4.2	UN2839 UN3206	II II	6.1 4.2, 8	IB2, T7, TP2 64, A7, IB5, IP2, T3, TP33	153 None	202 212	243 242	5 L 15 kg	60 L 50 kg	A B	12													
	Alkali metal alcoholates, self-heating, corrosive, n.o.s.																									
	Alkali metal alloys, liquid, n.o.s.																									
	Alkali metal amalgam, liquid																									
	Alkali metal amalgam, solid																									
	Alkali metal amides																									
	Alkali metal dispersions, flammable or alkaline earth metal dispersions, flammable																									
	Alkali metal dispersions, or Alkaline earth metal dispersions																									
	Alkaline corrosive liquids, n.o.s., see caustic alkali liquids, n.o.s.																									
	Alkaline earth metal alcoholates, n.o.s.																									
	G													Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	4.2	UN3205	II III	4.2 4.2	65, A7, IB6, IP2, T3, TP33	None None	212 213	241 241	15 kg 25 kg	50 kg 100 kg	B B	52
														Alkaline earth metal alloys, n.o.s.												
Alkaline earth metal amalgams, liquid																										
Alkaline earth metal amalgams, solid																										
G		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN3140	I	6.1	A4, T14, TP2, TP27 TP33	None	201	243	1 L	30 L	A	52												
		Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																								
		Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																								
		Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																								
		Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																								
		G																									Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN1544	II III I	6.1 6.1 6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153 153 None	202 203 211	243 241 242	5 L 60 L 5 kg	60 L 220 L 50 kg	A A A	52
	Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																									
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																										
G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.		6.1	UN2584	II III II	6.1 6.1 8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 B2, IB2, T8, TP2, TP13	153 153 154	212 213 202	242 240 242	25 kg 100 kg 1 L	100 kg 200 kg 30 L	A A B	52												
	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.																									
	Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																									
	Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																									
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																									
	G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.													6.1	UN2586	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	B	52
		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.																								
		Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																								
Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																										
Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																										
Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																										
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																										
G		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN2583	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52												
		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.																								
		Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																								
	Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																									
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																									
	G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.													6.1	UN2585	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.																								
		Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																								
Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																										
Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																										
Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																										
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																										
G		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN3145	I	8	A6, T14, TP2	None	201	243	0.5 L	2.5 L	B	52												
		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.																								
		Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																								
	Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																									
	Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																									
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																									
	G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.													6.1	UN3145	II III	8 8	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28	154 154	202 203	242 241	1 L 5 L	30 L 60 L	B A	52
		Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.																								
		Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s., poisonous																								
		Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with more than 5 percent free sulfuric acid																								
Alkyl sulfonic acids, liquid or Aryl sul- fonic acids, liquid with not more than 5 percent free sulfuric acid																										
Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid, with more than 5 percent free sulfuric acid																										
Alkyl sulfonic acids, solid or Aryl sul- fonic acids, solid with not more than 5 percent free sulfuric acid																										
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)																										

§ 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)	Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
	Alkylsulfuric acids	8	UN2571	II, III, II	8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 B2, IB2, T8, TP2, TP13, TP28	154 213 154	212 240 242	240 242	15 kg 25 kg 1 L	50 kg 100 kg 30 L	B A C	14
	<i>Allethrin</i> , 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 bromide	3	UN1099	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	B	40
	Allyl chloride	3	UN1100	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
	<i>Allyl chlorocarbonate</i> , see Allyl chloroformate												
	Allyl chloroformate	6.1	UN1722	I	6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	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, A6, IB1, N34, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
	Allyl isothiocyanate, stabilized	6.1	UN1545	II	6.1, 3	A3, A7, IB2, T7, TP2	None	202	243	Forbidden	60 L	D	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	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	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	
	Aluminum bromide, anhydrous	8	UN1725	III	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, N41, T3, TP33	151	212	242	15 kg	50 kg	A	52
	Aluminum chloride, anhydrous	8	UN1726	III	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
	<i>Aluminum dross, wet or hot</i>	Forbidden											

D	Aluminum ferrosilicon powder	4.3	UN1395	II	4.3, 6.1	A19, IB5, IP2, T3, TP33	151	212	242	15 kg	50 kg	A	39, 40, 52, 53, 85, 103
	Aluminum hydride	4.3	UN2463	III	4.3, 6.1	A19, A20, IB4	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Aluminum, molten	4.3	UN2463	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	
	Aluminum nitrate	5.1	UN1438	III	5.1	IB3, T1, TP3	None	None	247	Forbidden	Forbidden	D	
	Aluminum phosphate solution, see Corrosive liquids, etc					A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1, T6, TP33	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	IB6, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	A	13, 39, 52, 53, 74, 101
	Aluminum powder, uncoated	4.3	UN1396	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101
	Aluminum resinates	4.1	UN2715	III	4.1	A19, A20, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	A	39, 52, 53
	Aluminum silicon powder, uncoated	4.3	UN1398	III	4.3	A19, A20, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	39, 52, 53
	Aluminum smelting by-products or Aluminum remelting by-products	4.3	UN3170	II	4.3	IB6, T1, TP33	151	213	240	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Amazols, see Explosives, blasting, type B					A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Amine, flammable, corrosive, n.o.s., or Polyamines, flammable, corrosive, n.o.s.	3	UN2733	I	3, 8	128, B115, IB7, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	85, 103
	Amine, liquid, corrosive, flammable, n.o.s., or Polyamines, liquid, corrosive, flammable, n.o.s.	8	UN2734	II	3, 8	128, B115, IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	B	85, 103
Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s.	8	UN2735	I	8	T14, TP1, TP27	None	201	243	0.5 L	2.5 L	D	40, 52	
Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	I	8	IB2, T11, TP1, TP27	None	202	243	1 L	5 L	B	40, 52	
					B1, IB3, T7, TP1, TP28	150	203	242	5 L	60 L	A	40, 52	
					A3, A6, N34, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	52	
					IB2, T11, TP2, TP27	None	202	243	1 L	30 L	A	52	
					A3, A6, B10, N34, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	52	
					B2, IB2, T11, TP1, TP27	154	202	242	1 L	30 L	A	52	
					IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	52	
					IB7, IP1, T6, TP33	None	211	242	1 kg	25 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)
	2-Amino-4-chlorophenol	6.1	UN2673	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	2-Amino-5-diethylaminopentane	6.1	UN2946	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
	2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass	4.1	UN3317	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	2-(2-Aminoethoxy) ethanol	8	UN3055	III	4.1	IB3, T4, TP1	None	211	None	1 kg	15 kg	E	28, 36
	N-Aminoethylpiperazine	8	UN2815	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
	Aminophenols (o-, m-, p-)						154	203	241	5 L	60 L	A	
	Aminopropyl-diethanolamine, Amines, etc												
	n-Aminopropylmorpholine, Amines, etc												
	Aminopyridines (o-, m-, p-)												
I	Ammonia, anhydrous	2.3	UN2671	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40, 52.
D	Ammonia, anhydrous	2.2	UN1005		2.3, 8	4, N87, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
I	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.3	UN3318		2.2	13, 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
	Ammonia solutions, relative density less than 0.880 at 15 degrees C in water, with more than 35 percent but not more than 50 percent ammonia	2.2	UN2073		2.2	N87	306	304	314, 315	Forbidden	150 kg	E	40, 52, 57
	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	IB3, IP8, T7, TP1	154	203	241	5 L	60 L	A	40, 52, 85

	6.1	UN1546	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53
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	5.1	UN1439	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	52
Ammonium dichromate	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, solid	6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	36, 66, 78, 91
Ammonium dinitro-o-cresolate solution			III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	36, 66, 78, 91
Ammonium fluoride	6.1	UN2505	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium fluorosilicate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium fulminate	Forbidden											
Ammonium hydrogen sulfate	8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
Ammonium hydrogendifluoride, 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
Ammonium hydroxide, see Ammonia solutions, etc												
Ammonium metavanadate	6.1	UN2859	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
Ammonium nitrate based fertilizer	5.1	UN2067	III	5.1	52, 150, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	25, 59, 60, 66, 117
Ammonium nitrate based fertilizer	9	UN2071	III	9	132, IB8, IP3	155	213	240	200 kg	200 kg	A	25, 59, 60, 66, 124
Ammonium nitrate emulsion or Ammonium nitrate suspension or Ammonium nitrate gel, intermediate for blasting explosives	5.1	UN3375	II	5.1	147, 163	None	214	214	Forbidden	Forbidden	D	25, 59, 60, 66, 124
Ammonium nitrate-fuel oil mixture containing only pillared ammonium nitrate and fuel oil	1.5D	NA0331	II	1.5D	.....	None	62	None	Forbidden	Forbidden	03	25, 19E
Ammonium nitrate, liquid (hot concentrated solution)	5.1	UN2426		5.1	B5, T7	None	None	243	Forbidden	Forbidden	D	59, 60
Ammonium nitrate, with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1D	UN0222	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E

D

A W

D

Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.4G	UN0297	II	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.3J	UN0247	II	1.3J	.....	62	None	Forbidden	Forbidden	05	25, 23E
Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.	1.2H	UN0243	II	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	II	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	II	1.2G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.3G	UN0010	II	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge or propelling charge	1.4G	UN0300	II	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.4G	UN0362	II	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.3G	UN0488	II	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, proof	1.4G	UN0363	II	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, rocket, see Warheads, rocket etc											
Ammunition, SA (small arms), see Cartridges for weapons, etc											
Ammunition, smoke (water-activated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248)											
Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249)											

§ 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) (8B)	Bulk (8C) (8C)	Passenger aircraft/rail (9A) (9A)	Cargo air-craft only (9B) (9B)	Loca-tion (10A) (10A)	Other (10B) (10B)	
	Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.2H	UN0245	II	1.2H				62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.3H	UN0246	II	1.3H				62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.2G	UN0015	II	1.2G				62	62	Forbidden	Forbidden	03	25, 14E, 15E, 17E
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	II	1.3G				62	62	Forbidden	Forbidden	03	25, 14E, 15E, 17E
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.4G	UN0303	II	1.4G				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	II	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	II	1.2G, 8, 6.1				62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	II	1.3G, 8, 6.1				62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	II	1.4G, 8, 6.1				62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2016	II	6.1			None	212	None	Forbidden	100 kg	E	13, 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	Antimony pentaffluoride	8	UN1732	II	8, 6.1	A3, A6, A7, A10, IB2, N3, N36, T7, TP2	None	202	243	Forbidden	30 L	D	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, mix-tures of</i>	Forbidden											
	<i>Antimony sulfide, solid, see Antimony compounds, inorganic, n.o.s.</i>												
	Antimony trichloride, liquid	8	UN1733	II	8	B2, IB2	154	202	242	1 L	30 L	C	40
	Antimony trichloride, solid	8	UN1733	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40.
	<i>Aqua ammonia, see Ammonia solu-tion, etc</i>												
	Argon, compressed	2.2	UN1006		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
	Argon, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1951		2.2		320	316	318	50 kg	500 kg	D	
	Arsenic	6.1	UN1558	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenic acid, liquid	6.1	UN1553	I	6.1	T20, TP2, TP7, TP13	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	
Arsenic bromide	6.1	UN1555	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 40	
<i>Arsenic chloride, see Arsenic tri-chloride</i>													
Arsenic compounds, liquid, n.o.s.; <i>inor-ganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.</i>	6.1	UN1556	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 137	
G	Arsenic compounds, solid, n.o.s.; <i>inor-ganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.</i>	6.1	UN1557	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
G	Arsenic compounds, solid, n.o.s.; <i>inor-ganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.</i>	6.1		II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	137

Arsenic pentoxide	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Arsenic sulfide and a chlorate, mixtures of	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
Arsenic trichloride	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Arsenic trioxide	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Arsenical dust	3	UN2760	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN2994	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Arsenical pesticides, liquid, toxic	6.1	UN2994	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2993	III	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Arsenical pesticides, solid, toxic	6.1	UN2759	III	6.1, 3	IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
Arsenious acid, solid, see Arsenic trioxide												
Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s.												
Arsine	2.3	UN2188	II	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
Articles, explosive, extremely insensitive or Articles, EEI	1.6N	UN0486	II	1.6N	None	None	62	None	Forbidden	Forbidden	07	
Articles, explosive, extremely insensitive or Articles, EEI	1.6N	UN0486	II	1.6N	None	None	62	None	Forbidden	Forbidden	07	
Ammunition, toxic with burster, expelling charge or propelling charge	1.2K	UN0020	II	1.2K, 6.1	.....		62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, toxic with burster, expelling charge or propelling charge	1.3K	UN0021	II	1.3K, 6.1	.....		62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Articles, explosive, n.o.s	1.4S	UN0349	II	1.4S	101	None	62	None	25 kg	100 kg	01	25
Articles, explosive, n.o.s	1.4B	UN0350	II	1.4B	101	None	62	None	Forbidden	Forbidden	05	25
Articles, explosive, n.o.s	1.4C	UN0351	II	1.4C	101	None	62	None	Forbidden	75 kg	02	25
Articles, explosive, n.o.s	1.4D	UN0352	II	1.4D	101	None	62	None	Forbidden	75 kg	02	25

§ 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	Articles, explosive, n.o.s	1.4G	UN0353	II	1.4G	101	None	62	None	Forbiddn	75 kg	02	25	
G	Articles, explosive, n.o.s	1.1L	UN0354	II	1.1L	101	None	62	None	Forbiddn	Forbiddn	02	25, 14E, 15E	
G	Articles, explosive, n.o.s	1.2L	UN0355	II	1.2L	101	None	62	None	Forbiddn	Forbiddn	05	25, 14E, 15E	
G	Articles, explosive, n.o.s	1.3L	UN0356	II	1.3L	101	None	62	None	Forbiddn	Forbiddn	05	25, 14E, 15E	
G	Articles, explosive, n.o.s	1.1C	UN0462	II	1.1C	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.1D	UN0463	II	1.1D	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.1E	UN0464	II	1.1E	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.1F	UN0465	II	1.1F	101	None	62	None	Forbiddn	Forbiddn	05	25	
G	Articles, explosive, n.o.s	1.2C	UN0466	II	1.2C	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.2D	UN0467	II	1.2D	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.2E	UN0468	II	1.2E	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.2F	UN0469	II	1.2F	101	None	62	None	Forbiddn	Forbiddn	05	25	
G	Articles, explosive, n.o.s	1.3C	UN0470	II	1.3C	101	None	62	None	Forbiddn	Forbiddn	04	25	
G	Articles, explosive, n.o.s	1.4E	UN0471	II	1.4E	101	None	62	None	Forbiddn	75 kg	03	25	
G	Articles, explosive, n.o.s	1.4F	UN0472	II	1.4F	101	None	62	None	Forbiddn	Forbiddn	05	25	
	Articles, pressurized pneumatic or hydraulic containing non-flammable gas	2.2	UN3164		2.2	306	306	302, 304	None	No limit	No limit	A		
	Articles, pyrophoric	1.2L	UN0380	II	1.2L		None	62	None	Forbiddn	Forbiddn	05	25, 14E, 15E, 17E	
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	II	1.1G		None	62	None	Forbiddn	Forbiddn	03	25	
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	II	1.2G		None	62	None	Forbiddn	Forbiddn	03	25	
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	II	1.3G		None	62	None	Forbiddn	Forbiddn	03	25	
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	II	1.4G		None	62	None	Forbiddn	75 kg	02	25	
	Articles, pyrotechnic for technical purposes	1.4S	UN0432	II	1.4S		None	62	None	25 kg	100 kg	01	25	

D	Asbestos	9	NA2212	III	9	156, IB8, IP2, IP4	155	216	240	200 kg	200 kg	A	34, 40
D	Ascaridole (organic peroxide)	Forbidden	3	III	3	IB3, T1, TP3	150	203	247	Forbidden	Forbidden	D	
D	Asphalt, at or above its flash point Asphalt, cut back, see Tars, liquid, etc Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc	9	UN3334	.....	9	A35, A189	155	204		450 L	450 L	A	
A, G	Aviation regulated liquid, n.o.s	9	UN3335	.....	9	A35	155	204		400 kg	400 kg	A	
A, G	Aviation regulated solid, n.o.s	Forbidden											
	Azauric acid (salt of) (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											
	Azidothiocarbonic acid	Forbidden											
	Azidoethyl nitrate	Forbidden											
	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution	4.1	UN3242	II	4.1	38, IB8, T3, TP33	151	223	240	Forbidden	Forbidden	D	2, 52, 53, 74
	Azodicarbonamide	Forbidden											
	Azotetrazole (dry)	4.3	UN1400	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	50 kg	15 kg	E	52
	Barium	4.2	UN1854	I	4.2	T21, TP7, TP33	None	181	None	Forbidden	Forbidden	D	25
	Barium alloys, pyrophoric	1.1A	UN0224	II	1.1A, 6.1	111, 117	None	62	None	Forbidden	Forbidden	05	
	Barium azide, dry or wetted with less than 50 percent water, by mass	4.1	UN1571	I	4.1, 6.1	162, A2	None	182	None	Forbidden	Forbidden	D	28
	Barium azide, wetted with not less than 50 percent water, by mass	5.1	UN2719	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	25 kg	5 kg	A	56, 58
	Barium bromate	5.1	UN1445	II	5.1, 6.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	25 kg	5 kg	A	56, 58
	Barium chlorate, solid	5.1	UN3405	II	5.1, 6.1	A9, IB2, N34, T4, TP1	152	202	243	5 L	1 L	A	56, 58, 133
	Barium chlorate, solution	6.1	UN1564	III	6.1	A9, IB2, N34, T4, TP1	152	203	242	30 L	2.5 L	A	56, 58, 133
G	Barium compounds, n.o.s	6.1	UN1565	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	25 kg	A	
	Barium cyanide	6.1	UN1565	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	100 kg	A	
	Barium hypochlorite with more than 22 percent available chlorine	5.1	UN2741	I	5.1, 6.1	IB8, IP3, T1, TP33 IB7, IP1, N74, N75, T6, TP33 A7, A9, IB8, IP2, IP4, N34, T3, TP33	None	211	242	50 kg	5 kg	A	40, 52
		5.1	UN2741	II	5.1, 6.1		152	212	None	25 kg	5 kg	B	4, 52, 56, 58, 106

§ 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)	
	Barium nitrate	5.1	UN1446	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A		
	Barium oxide	6.1	UN1884	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	56, 58	
	Barium perchlorate, solid	5.1	UN1447	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A		
	Barium perchlorate, solution	5.1	UN3406	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133	
	.....			III	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
	Barium permanganate	5.1	UN1448	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138	
	Barium peroxide	5.1	UN1449	II	5.1, 6.1	A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 56, 75	
	<i>Barium selenate, see Selenates or Selenites.</i>													
	<i>Barium selenite, see Selenates or Selenites.</i>													
	Batteries, containing sodium	4.3	UN3292	II	4.3		189	189	189	Forbidden	No limit	A	52	
	Batteries, dry, containing potassium hydroxide solid, <i>electric storage.</i>	8	UN3028	III	8	237	None	213	None	25 kg	230 kg	A		
	Batteries, dry, sealed, n.o.s.					130								
	Batteries, nickel-metal hydride see Batteries, dry, sealed, n.o.s. for <i>nickel-metal hydride batteries transported by modes other than vessel.</i>	9	UN3496		9	340						A	25	
W	Batteries, wet, filled with acid, <i>electric storage.</i>	8	UN2794	III	8	A51	159	159	159	30 kg	No limit	A	146	
	Batteries, wet, filled with alkali, <i>electric storage.</i>	8	UN2795	III	8	A51	159	159	159	30 kg	No limit	A	52, 146	
	Batteries, wet, non-spillable, <i>electric storage.</i>	8	UN2800	III	8		159a	159	159	No limit	No limit	A		
	Battery fluid, acid	8	UN2796	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B		
	Battery fluid, alkali	8	UN2797	II	8	B2, IB2, N6, T7, TP2, TP28	154	202	242	1 L	30 L	A	29	
	<i>Battery lithium type, see Lithium bat-teries etc.</i>													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage											
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)											
D	Biphenyl triozonide	Forbidden 3	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	Forbidden	30 L	E												
	Bipyridilium pesticides, liquid, flam-mable, 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
	Bipyridilium pesticides, liquid, toxic	6.1	UN3016	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
	Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3015	I	6.1, 3	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	220 L	A	21, 40											
	.....														II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202 ...	243 ...	5 L	60 L	B	21, 40
	Bipyridilium pesticides, solid, toxic	6.1	UN2781	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203 ...	242 ...	60 L	220 L	A	21, 40											
	.....														I	6.1	IB7, IP1, T6, TP33	None ...	211 ...	242 ...	5 kg	50 kg	A	40
	.....														II	6.1	IB8, IP2, IP4, T3, TP33	153	212 ...	242 ...	25 kg	100 kg	A	40
	.....														III	6.1	IB8, IP3, T1, TP33	153	213 ...	240 ...	100 kg	200 kg	A	40
Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.	8	UN2837	II	8	A7, B2, IB2, N34, T7, TP2	154	202 ...	242 ...	1 L	30 L	A													
Bisulfate, aqueous solution														III	8	A7, IB3, N34, T4, TP1	154	203 ...	241 ...	5 L	60 L	A	40, 52	
Bisulfites, aqueous solutions, n.o.s.	8	UN2693	III	8	IB3, T7, TP1, TP28	154	203 ...	241 ...	5 L	60 L	A	40, 52												
Black powder, compressed or Gun-powder, compressed or Black pow-der, in pellets or Gunpowder, in pellets.														II	1.1D ..	.....	None ...	62	None	Forbidden	Forbidden	04	25	
Black powder or Gunpowder, granu-lar or as a meal.	1.1D	UN0027	II	1.1D ..	.....	.....	None ...	62	None	Forbidden	Forbidden	04												
Black powder for small arms														I	4.1	70	None ...	170 ...	None	Forbidden	Forbidden	E		
Blasting agent, n.o.s., see Explo-sives, blasting etc.	4.1	NA0027	I	4.1 .....	.....	.....	None ...	170 ...	None	Forbidden	Forbidden	E												
Blasting cap assemblies, see Deto-nator assemblies, non-electric, for blasting.																								

§ 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	Bromates, inorganic, aqueous solution, n.o.s.	5.1	UN3213	II	5.1	350, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
G	Bromates, inorganic, 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
+	Bromine	8	UN1744	I	8, 6.1	350, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	<i>Bromine azide</i>	Forbidden				1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbidden	Forbidden	D	12, 40, 66, 74, 89, 90
	Bromine chloride	2.3	UN2901		2.3, 8, 5.1	2, B9, B14, N86	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
+	Bromine pentafluoride	5.1	UN1745	I	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbidden	Forbidden	D	12, 40, 66, 74, 89, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	2, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	227	249	Forbidden	Forbidden	D	12, 40, 66, 74, 89, 90
+	Bromine trifluoride	5.1	UN1746	I	5.1, 6.1, 8	2, B9, B14, B32, T22, TP2, TP13, TP38, TP45	None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
	<i>4-Bromo-1,2-dinitrobenzene</i>	Forbidden											
	<i>4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C)</i>	Forbidden											
	1-Bromo-3-chloropropane	6.1	UN2688	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	1-Bromo-3-methylbutane	3	UN2341	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>1-Bromo-3-nitrobenzene (unstable at 56 degrees C)</i>	Forbidden											
	2-Bromo-2-nitropropane-1,3-diol	4.1	UN3241	III	4.1	46, IB8, IP3	151	213	None	25 kg	50 kg	C	12, 25, 40
	Bromoacetic acid, solid	8	UN3425	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	
	Bromoacetic acid solution	8	UN1938	II	8	A7, B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	Bromoacetone	6.1	UN1569	III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	40
+	Bromoacetone	6.1	UN1569	II	6.1, 3	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40

Bromoacetyl bromide	8 UN2513	II 8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53
Bromobenzene	3 UN2514	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Bromobenzyl cyanides, liquid	6.1 UN1694	I 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	D	12, 40, 52
Bromobenzyl cyanides, solid	6.1 UN3449	I 6.1	T6, TP33	None	211	242	5 kg	50 kg	D	12, 40, 52
1-Bromobutane	3 UN1126	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
2-Bromobutane	3 UN2339	II 3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Bromoethoxyethane	6.1 UN1887	III 6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
2-Bromoethyl ethyl ether	3 UN2340	II 3	B2, T4, TP1	150	202	242	5 L	60 L	B	40
Bromoforn	6.1 UN2515	III 6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 40
Bromomethylpropanes	3 UN2342	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
2-Bromopentane	3 UN2343	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Bromopropanes	3 UN2344	III 3	IB3, T2, TP1	150	203	242	60 L	220 L	A	40
3-Bromopropyne	3 UN2345	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	D	40
Bromosilane	Forbidden									
Bromotoluene-alpha, see Benzyl bromide.										
Bromotrifluoroethylene	2.1 UN2419	2.1		None	304	314	Forbidden	150 kg	B	40
Bromotrifluoromethane or Refrigerant gas, R 13B1	2.2 UN1009	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Brucine	6.1 UN1570	I 6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	25
Busters, explosive	1.1D UN0043	II 1.1D		None	62	None	Forbidden	Forbidden	O4	40
Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes.	2.1 UN1010	2.1		306	304	314, 315	Forbidden	150 kg	B	
Butane see also Petroleum gases, liquefied.	2.1 UN1011	2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
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									
Butanols	3 UN1120	II 3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
tert-Butoxyacetyl azide	Forbidden									
Butyl acetates	3 UN1123	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Butyl acid phosphate	8 UN1718	III 8	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Butyl acrylates, stabilized	3 UN2348	III 3	B1, IB3, T2, TP1	150	203	242	5 L	60 L	A	
Butyl alcohols, see Butanols.										
Butyl benzenes	3 UN2709	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
n-Butyl bromide, see 1-Bromobutane.										
n-Butyl chloride, see Chlorobutanes.										

§ 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)
	n-Butyl chloroformate	6.1	UN2743	I	6.1, 8, 3.	2, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	A	12, 13, 21, 23, 40, 100
	<i>Butyl ethers, see Dibutyl ethers. Butyl ethyl ether, see Ethyl butyl ether.</i>												
	n-Butyl formate	3	UN1128	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	
	<i>tert-Butyl hydroperoxide, with more than 90 percent with water.</i>	Forbidden											
	<i>tert-Butyl hypochlorite</i>	4.2	UN3255	I	4.2, 8	IB2, T7, TP2	None ...	211 ...	243 ...	Forbidden	Forbidden	D	
	N-n-Butyl imidazole	6.1	UN2690	II	6.1	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	153	202 ...	243 ...	5 L	60 L	A	
	<i>tert-Butyl isocyanate</i>	6.1	UN2484	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
	n-Butyl isocyanate	6.1	UN2485	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
	Butyl mercaptan	3	UN2347	II	3	A3, A6, IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	D	52, 95
	n-Butyl methacrylate, stabilized	3	UN2227	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	Butyl methyl ether	3	UN2350	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	
	Butyl nitrites	3	UN2351	I	3	T11, TP1, TP8, TP27	150	201 ...	243 ...	1 L	30 L	E	40
	.....			II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	40
	<i>tert-Butyl peroxyacetate, with more than 76 percent in solution.</i>	Forbidden		III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	<i>n-Butyl peroxydicarbonate, with more than 52 percent in solution.</i>	Forbidden											
	<i>tert-Butyl peroxyisobutyrate, with more than 77 percent in solution.</i>	Forbidden											
	<i>Butyl phosphoric acid, see Butyl acid phosphate.</i>												
	Butyl propionates	3	UN1914	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	12, 25, 127
	5- <i>tert</i> -Butyl-2,4,6-trinitro-m-xylene or Musk xylene	4.1	UN2956	III	4.1	159	None ...	223 ...	None	Forbidden	Forbidden	D	
	Butyl vinyl ether, stabilized	3	UN2352	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	40
	n-Butylamine	3	UN1125	II	3, 8	IB2, T7, TP1	150	202 ...	242 ...	1 L	5 L	B	40
	N-Butylaniline	6.1	UN2738	II	6.1	IB2, T7, TP2	153	202 ...	243 ...	5 L	60 L	A	74
	<i>tert-Butyl(cyclohexyl)chloroformate</i>	6.1	UN2747	III	6.1	IB3, T4, TP1	153	203 ...	241 ...	60 L	220 L	A	12, 13, 25

UN number	UN description	Class	Subclass	Label	Quantity	Forbidden	Weight	Code	Notes
2.1	UN1012	2.1	19, T50	Butylene see also Petroleum gases, liquefied.	306	314, 315	150 kg	E	40
3	UN3022	II 3	IB2, T4, TP1	1,2-Butylene oxide, stabilized	150	242	60 L	B	27, 49
6.1	UN2667	III 6.1	IB3, T4, TP1	Butyltoluenes	153	241	220 L	A	
8	UN1747	III 8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	Butyltrichlorosilane	None	203	30 L	C	40
6.1	UN2716	III 6.1	A1, IB8, IP3, T1, TP33	1,4-Butyne diol	None	213	200 kg	C	52, 53, 70
3	UN1129	III 3	IB2, T4, TP1	Butyraldehyde	150	242	60 L	B	
3	UN2840	III 3	B1, IB3, T2, TP1	Butyraldixime	150	242	220 L	A	
8	UN2820	III 8	IB3, T4, TP1	Butyric acid	154	241	60 L	A	12
8	UN2739	III 8	IB3, T4, TP1	Butyric anhydride	154	241	60 L	A	
3	UN2411	II 3, 6.1	IB2, T7, TP1, TP13	Butyronitrile	150	202	60 L	E	40
3	UN2363	II 3, 8	IB2, T8, TP2, TP13	Butyl chloride	150	202	5 L	C	40
6.1	UN1572	II 6.1	IB8, IP2, IP4, T3, TP33	Caodylic acid	153	242	100 kg	E	52
6.1	UN2570	I 6.1	IB7, IP1, T6, TP33	Cadmium compounds	None	211	50 kg	A	
II 6.1		II 6.1	IB8, IP2, IP4, T3, TP33		153	242	100 kg	A	
III 6.1		III 6.1	IB8, IP3, T1, TP33		153	240	200 kg	A	
8	UN2682	II 8	IB8, IP2, IP4, T3, TP33	Caesium hydroxide	154	240	50 kg	A	29, 52
8	UN2681	II 8	B2, IB2, T7, TP2	Caesium hydroxide solution	154	242	30 L	A	29, 52
4.3	UN1401	II 4.3	IB7, IP2, T3, TP33	Calcium	151	241	60 L	A	
6.1	UN1573	II 6.1	IB8, IP2, IP4, T3, TP33	Calcium arsenate	153	242	15 kg	E	52
6.1	UN1574	II 6.1	IB8, IP2, IP4, T3, TP33	Calcium arsenate and calcium arsenite, mixtures, solid.	153	242	100 kg	A	
4.3	UN1402	I 4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33	Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	None	211	15 kg	B	52
5.1	UN1452	II 5.1	A1, A8, B55, B59, IB7, IP2, N34, T3, TP33	Calcium chlorate	151	241	50 kg	B	52
5.1	UN2429	II 5.1	A9, IB8, IP2, IP4, N34, T3, TP33	Calcium chlorate aqueous solution	152	242	25 kg	A	56, 58
5.1	UN1453	III 5.1	A2, IB2, N41, T4, TP1	Calcium chlorite	152	242	5 L	B	56, 58, 133
5.1	UN1453	III 5.1	A2, IB2, N41, T4, TP1	Calcium chlorite	152	241	30 L	B	56, 68, 133
4.3	UN1403	III 4.3	A9, IB8, IP2, IP4, N34, T3, TP33	Calcium cyanamide with more than 0.7 percent of calcium carbide.	152	242	25 kg	A	56, 58
6.1	UN1575	I 6.1	A1, A19, IB8, IP4, T1, TP33	Calcium cyanide	151	241	100 kg	A	52
4.2	UN1923	II 4.2	IB7, IP1, N79, N80, T6, TP33	Calcium dithionite or Calcium hydro-sulfite.	None	211	50 kg	A	40, 52
4.3	UN1404	II 4.3	A19, A20, IB6, IP2, T3, TP33	Calcium hydride	None	241	50 kg	E	13
4.3	UN1404	I 4.3	A19, N40	Calcium hydrosulfite, see Calcium dithionite.	None	242	15 kg	E	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) Identifi-cation 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)	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	
			UN1748				152	212	None	5 kg	25 kg			
			UN3487				152	213	240	25 kg	100 kg			
(1)	Calcium hypochlorite, dry or Calcium hypochlorite mixture dry with more than 39% available chlorine (8.8% available oxygen).	5.1	UN3487	II	5.1, 8	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142	
			UN2880				152	212	240	5 kg	25 kg			
(1)	Calcium hypochlorite, hydrated, cor-rosive or Calcium hypochlorite, hy-drated mixture, corrosive 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	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
			UN3486				152	213	240	25 kg	100 kg			
(1)	Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5% but not more than 16% water.	5.1	UN3486	III	5.1	165, 171, IB8, IP4, IP13, W9	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142	
			UN3486				152	213	240	5 kg	25 kg			

UN number	Proper shipping name	Hazard class	Subclass	Compatibility group	Special provisions	Quantity	Label	Placard	Other			
5.1 UN2208	Calcium hypochlorite mixture, dry, with more than 10% but not more than 39% available chlorine.	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, 52, 85, 103
4.3 UN2844	Calcium manganese silicon	III	4.3	.....	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	56, 58, 56, 58, 138
5.1 UN1454	Calcium nitrate	III	5.1	.....	34, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 52, 56, 75, 40, 52, 85
8 UN1910	Calcium oxide	III	8	.....	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
5.1 UN1455	Calcium perchlorate	II	5.1	.....	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	
5.1 UN1456	Calcium permanganate	II	5.1	.....	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	
5.1 UN1457	Calcium peroxide	II	5.1	.....	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	
4.3 UN1360	Calcium phosphide	I	4.3	6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	
4.2 UN1855	Calcium, pyrophoric or Calcium alloys, pyrophoric.	I	4.2	.....	.....	None	187	None	Forbidden	Forbidden	D	
4.1 UN1313	Calcium resinolate	III	4.1	.....	A1, A19, IB6, T1, TP33	None	213	240	25 kg	100 kg	A	
4.1 UN1314	Calcium resinolate, fused	III	4.1	.....	A1, A19, IB4, T1, TP33	None	213	240	25 kg	100 kg	A	
4.3 UN1405	Calcium selenate, see Selenates or Selenites.	II	4.3	.....	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	B	
3 UN1130	Calcium silicide	III	4.3	.....	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	B	52, 85, 103
4.1 UN2717	Camphor oil	III	3	.....	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	52, 85, 103
9 UN3499	Camphor, synthetic	III	4.1	.....	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	
1.4S UN0014	Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh).	.....	9	.....	.....	361	176	176	No limit	No limit	A	
8 UN2829	Cartridges for weapons, blank or Cartridges, small arms, blank or Cartridges for tools, blank.	II	1.4S	.....	.....	63	62	None	25 kg	100 kg	01	25
3 UN2758	Caproic acid	III	8	.....	IB3, T4, TP1	154	203	241	5 L	60 L	A	
6.1 UN2992	Carbamate pesticides, liquid, toxic, flammable, flash point less than 23 degrees C.	I	3, 6.1	.....	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
6.1 UN2991	Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	II	3, 6.1	.....	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
		I	6.1	.....	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
		II	6.1	.....	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
		III	6.1	3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
		I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
		II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40

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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) Identifi-cation 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	..... Carbamate pesticides, solid, toxic	6.1	UN2757	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40				
 Carbaryl, solid, toxic	50 kg	A	40	
 Carbaryl, liquid, toxic	242	25 kg	A	40
 Carbolic acid, see Phenol, solid or Phenol, molten.													240	100 kg	A	40
 Carbolic acid solutions, see Phenol solutions.												
I	Carbon, activated	4.2	UN1362	III	4.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	0.5 kg	A	12					
	Carbon, animal or vegetable origin	4.2	UN1361	III	4.2	IB6, T3, TP33	None	212	242	Forbidden	Forbidden	A	12					
	Carbon, animal or vegetable origin	4.2	UN1361	III	4.2	IB8, IP3, T1, TP33	None	213	241	Forbidden	Forbidden	A	12					
I	Carbon bisulfide, see Carbon disulfide.	2.2	UN1013	2.2	2.2 .....	.....	306	302, 304	302, 314, 315	75 kg	150 kg	A	.....				
	Carbon dioxide
A W	Carbon dioxide, refrigerated liquid	2.2	UN2187	2.2	2.2	T75, TP5	306	304	314, 315	50 kg	500 kg	D	.....				
	Carbon dioxide, solid or Dry ice	9	UN1845	None	None .....	.....	217	240	200 kg	200 kg	C	40					
	Carbon disulfide	3	UN1131	I	3, 6.1	B16, T14, TP2, TP7, TP13	None	201	243	Forbidden	Forbidden	D	40, 78, 115					
	Carbon monoxide, compressed	2.3	UN1016	2.3, 2.1	2.3, 2.1	.....	None	302	314, 315	Forbidden	25 kg	D	40				
D	Carbon monoxide, refrigerated liquid (cryogenic liquid)	2.3	NA9202	2.3, 2.1	2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	.....				
	Carbon tetrabromide	6.1	UN2516	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25					
	Carbon tetrachloride	6.1	UN1846	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40					
	Carbonyl chloride, see Phosgene.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbonyl fluoride	2.3	UN2417	2.3, 8	2.3, 8	.....	None	302	314	Forbidden	Forbidden	D	40				
	Carbonyl sulfide	2.3	UN2204	2.3	2.3, 2.1	3, B14	None	304	315	Forbidden	Forbidden	D	40					
Cartridge cases, empty primed, see Cases, cartridge, empty, with primer.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

§ 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, safety, see Cartridges for weapons, inert projectile, or Cartridges, small arms or Cartridges, power device (UN 0323).												
	Cartridges, signal	1.3G	UN0054	II	1.3G		62	None	75 kg	03	25		
	Cartridges, signal	1.4G	UN0312	II	1.4G		62	None	75 kg	02	25		
	Cartridges, signal	1.4S	UN0405	II	1.4S		62	None	100 kg	01	25		
D	Cartridges, small arms	ORM-D			None	222	63	None	Forbidden	A			
D	Cartridges power device (used to project fastening devices). Cartridges, starter, jet engine, see Cartridges, power device.	ORM-D	None		None	222	63	None	30 kg gross	A			
	Cases, cartridge, empty with primer	1.4S	UN0055	II	1.4S	50	62	None	25 kg	01	25		
	Cases, cartridges, empty with primer	1.4C	UN0379	II	1.4C	50	62	None	Forbidden	02	25		
	Cases, combustible, empty, without primer.	1.4C	UN0446	II	1.4C		62	None	Forbidden	02	25		
	Cases, combustible, empty, without primer.	1.3C	UN0447	II	1.3C		62	None	Forbidden	04	25		
A W	Casinghead gasoline see Gasoline. Castor beans or Castor meal or Cas-tor pomace or Castor flake.	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33	155	204	No limit	E	34, 40		
G	Caustic alkali liquids, n.o.s.	8	UN1719	III	8	B2, IB2, T11, TP2, TP27, IB3, T7, TP1, TP28	154	202	1 L	A	29, 52		
	Caustic potash, see Potassium hy-droxide etc.				8		154	203	5 L	A	29, 52		
	Caustic soda, (etc.) see Sodium hy-droxide etc.												
	Cells, containing sodium	4.3	UN3292	III	4.3		189	189	25 kg	A			
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap.	4.1	UN2000	III	4.1		None	213	25 kg	A			
	Celluloid, scrap	4.2	UN2002	III	4.2	IB8, IP3	None	213	Forbidden	D			
	Cement, see Adhesives containing flammable liquid.												
	Cerium, slabs, ingots, or rods	4.1	UN1333	II	4.1	IB8, IP2, IP4, N34	None	212	15 kg	A	74, 91		
	Cerium, turnings or gritty powder	4.3	UN3078	II	4.3	A1, IB7, IP2, T3, TP33	151	212	15 kg	E	52		
	Cesium or Caesium	4.3	UN1407	I	4.3	A7, A19, IB4, IP1, N34, N40	None	211	Forbidden	D	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)	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	II	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	III	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212 ...	240 ...	5 kg	25 kg	A	56, 58
.....	.....	.....	.....	.....	A9, IB8, IP3, N34, T1, TP33	152	213 ...	240 ...	25 kg	100 kg	A	56, 58	
.....	.....	.....	.....	.....	A9, IB2, N34, T4, TP1	152	202 ...	242 ...	1 L	5 L	A	56, 58, 133	
.....	.....	.....	.....	.....	A9, IB2, N34, T4, TP1	152	203 ...	241 ...	2.5 L	30 L	A	56, 58, 133	
.....	
G	Chlorate of potash, see Potassium chlorate.	5.1	UN3210	II	5.1	351, IB2, T4, TP1	152	202 ...	242 ...	1 L	5 L	B	56, 58, 133
G	Chlorates, inorganic, aqueous solution, n.o.s.	5.1	UN1461	III	5.1	351, IB2, T4, TP1	152	203 ...	241 ...	2.5 L	30 L	B	56, 58, 133
	Chlorates, inorganic, n.o.s.	5.1	UN2626	II	5.1	351, A9, IB6, IP2, N34, T3, TP33	152	212 ...	242 ...	5 kg	25 kg	A	56, 58
D	Chlorine azide	Forbidden	NA9191	II	5.1, 6.1.	2, B9, B14, N86, T50, TP19	None ...	229 ...	None	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
	Chlorine dioxide, hydrate, frozen												
	Chlorine dioxide (not hydrate)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

UN number	Proper shipping name	Hazard class	Subclass	Labels	Quantity	Forbidden	Forbidden	Forbidden	D	40, 89, 90
2.3 UN2548	Chlorine pentafluoride	2.3	5.1, 8	1, B7, B9, B14, N86	None	304	314	Forbidden	D	40, 89, 90
2.3 UN1749	Chlorine trifluoride	2.3	5.1, 8	2, B7, B9, B14, N86	None	304	314	Forbidden	D	40, 89, 90
8 UN1908	Chlorite solution	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	B	26, 44, 89, 100, 141
		III	8	A3, A6, A7, B2, IB3, N34, T4, TP2, TP24	154	203	241	5 L	B	26, 44, 89, 100, 141
5.1 UN1462	Chlorites, inorganic, n.o.s.	II	5.1	352, A7, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	A	26, 44, 89, 100, 141
2.1 UN2517	1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b.	2.1		T50	306	304	314, 315	Forbidden	B	40
6.1 UN2236	3-Chloro-4-methylphenyl isocyanate, liquid.	II	6.1	IB2	153	202	243	5 L	B	40
6.1 UN3428	3-Chloro-4-methylphenyl isocyanate, solid.	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	B	40
2.2 UN1021	1-Chloro-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124.	2.2		T50	306	304	314, 315	75 kg	A	
6.1 UN1579	4-Chloro-o-toluidine hydrochloride, solid.	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A	
6.1 UN3410	4-Chloro-o-toluidine hydrochloride, solution.	III	6.1	IB3, T4, TP1	153	203	241	60 L	A	
2.2 UN1983	1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a.	2.2		T50	306	304	314, 315	75 kg	A	
6.1 UN3250	Chloroacetic acid, molten	II	6.1, 8	IB1, T7, TP3, TP28	None	202	243	Forbidden	C	40
6.1 UN1751	Chloroacetic acid, solid	II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	15 kg	C	40
6.1 UN1750	Chloroacetic acid, solution	II	6.1, 8	A7, IB2, N34, T7, TP2	153	202	243	1 L	C	40
6.1 UN1695	Chloroacetone, stabilized	I	6.1, 3, 8	2, B9, B14, B32, N12, N32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	21, 40, 100
6.1 UN2668	Chloroacetone (unstabilized)	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	A	12, 40, 52
6.1 UN3416	Chloroacetophenone, liquid, (CN)	II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None	202	243	Forbidden	D	12, 40
6.1 UN1697	Chloroacetophenone, solid, (CN)	II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33	None	212	None	Forbidden	D	12, 40
6.1 UN1752	Chloroacetyl chloride	I	6.1, 8	2, B3, B8, B9, B14, B32, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
6.1 UN2019	Chloroanilines, liquid	II	6.1	IB2, T7, TP2	153	202	243	5 L	A	52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
+	Chloroanilines, solid	6.1	UN2018	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
	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		
	<i>Chlorobenzol, see Chlorobenzene.</i>													
	Chlorobenzotrifluorides	3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	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	III	6.1	IB2, T7, TP2	153	203	243	5 L	60 L	A		
	Chlorocresols, solid	6.1	UN3437	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Chlorodifluorobromomethane or Refrigerant gas R 12B1.	2.2	UN1974	II	2.2	T50	306	304	314, 315.	75 kg	150 kg	A		
	Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane.	2.2	UN1973	2.2	2.2	T50	306	304	314, 315.	75 kg	150 kg	A		
Chlorodifluoromethane or Refrigerant gas R 22.	2.2	UN1018	2.2	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			
Chlorodinitrobenzenes, solid	6.1	UN3441	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
2-Chloroethanal	6.1	UN2232	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D			
Chloroform	6.1	UN1888	III	6.1	IB3, N36, T7, TP2	153	203	241	60 L	220 L	A			
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			
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			
Chloromethyl chloroformate	6.1	UN2745	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A			
Chloromethyl ethyl ether	3	UN2354	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E			
Chloronitroanilines	6.1	UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
Chloronitrobenzenes, liquid	6.1	UN3409	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A			
Chloronitrobenzenes, solid	6.1	UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Placard	Other			
6.1 UN2433	Chlorotroloenes, liquid	III	6.1	.....	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
6.1 UN3457	Chlorotrifluoroethane, solid	III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	
2.2 UN1020	Chlorotrifluoroethane or Refrigerant gas R 115.	II	2.2	.....	T50	306	304	314, 315	75 kg	150 kg	A	
8 UN2904	Chlorophenolates, liquid or Phenolates, liquid	III	8	.....	IB3	154	203	241	5 L	60 L	A	
8 UN2905	Chlorophenolates, solid or Phenolates, solid	III	8	.....	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
6.1 UN2021	Chlorophenols, liquid	III	6.1	.....	IB3, T4, TP1	153	203	241	60 L	220 L	A	
6.1 UN2020	Chlorophenols, solid	III	6.1	.....	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	
8 UN1763	Chlorophenylchlorosilane	II	8	.....	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40
6.1 UN1580	Chloropicrin	I	6.1	.....	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
2.3 UN1581	Chloropicrin and methyl bromide mixtures.	2.3	.....	.....	2, B9, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	25, 40
2.3 UN1582	Chloropicrin and methyl chloride mixtures.	2.3	.....	.....	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
6.1 UN1583	Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc.	I	6.1	.....	5	None	201	243	Forbidden	Forbidden	C	40
6.1 UN1583	Chloropicrin mixtures, n.o.s.	II	6.1	.....	IB2	153	202	243	Forbidden	Forbidden	C	40
6.1 NA9263	Chloropivaloyl chloride	III	6.1	.....	IB3	153	203	241	Forbidden	Forbidden	C	40
8 UN2507	Chloroplatinic acid, solid	III	8	.....	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
3 UN1991	Chloroprene, stabilized	I	3, 6.1	.....	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
3 UN1278	1-Chloropropane	II	3	.....	B57, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	
3 UN2356	2-Chloropropane	I	3	.....	IB2, IP8, N34, T7, TP2	None	202	242	Forbidden	60 L	E	
6.1 UN2849	3-Chloropropanol-1	III	6.1	.....	N36, T11, TP2, TP13	150	201	243	1 L	30 L	E	
3 UN2456	2-Chloropropene	I	3	.....	IB3, T4, TP1	153	203	241	60 L	220 L	A	
8 UN2511	2-Chloropropionic acid	III	8	.....	A3, N36, T11, TP2	150	201	243	1 L	30 L	E	
6.1 UN2822	2-Chloropyridine	II	6.1	.....	IB3, T4, TP2	154	203	241	5 L	60 L	A	8
8 UN2986	Chlorosilanes, corrosive, flammable, n.o.s.	II	8, 3	.....	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
8 UN2987	Chlorosilanes, corrosive, n.o.s.	II	8	.....	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40
3 UN2985	Chlorosilanes, flammable, corrosive, n.o.s.	II	3, 8	.....	B2, T14, TP2, TP7, TP13, TP27	None	206	242	Forbidden	30 L	C	40
6.1 UN3362	Chlorosilanes, toxic, corrosive, flammable, n.o.s.	II	6.1, 8, 3	.....	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	5 L	B	40
6.1 UN3361	Chlorosilanes, toxic, corrosive, n.o.s.	II	6.1, 8	.....	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40, 125
6.1 UN3361	Chlorosilanes, toxic, corrosive, n.o.s.	II	6.1, 8	.....	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	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) Identifi-cation 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)
	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3	UN2988	I	4.3, 8.	A2, T14, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100, 40
+	Chlorosulfonic acid (with or without sulfur trioxide).	8	UN1754	I	8, 6.1	2, B9, B10, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40
	Chlorotoluenes	3	UN2238	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane	2.2	UN2599		2.2		306	304	314, 315.	75 kg	150 kg	A	
	Chlorotrifluoromethane or Refrigerant gas R 13.	2.2	UN1022		2.2		306	304	314, 315.	75 kg	150 kg	A	
	Chromic acid solution	8	UN1755	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 44, 89, 100, 141
	.....			III	8	IB3, T4, TP1	154	203	241	5 L	60 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
	Chromic fluoride, solution	8	UN1757	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
	.....			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Chromium nitrate	5.1	UN2720	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Chromium oxychloride	8	UN1758	I	8	A3, A6, A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90
	Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8.	IB8, IP2, IP4, T3, TP33	None	212	242	5 kg	25 kg	A	66, 90

	8	UN2240	I	8	A3, A6, A7, B4, B6, N34, T10, TP2, TP13	None	201	243	0.5L	2.5L	B	40, 66, 74, 89, 90
Chromosulfuric acid	Forbiddn	UN1023	I	2.3, 2.1	3	None	302	314, 315	Forbiddn	Forbiddn	D	40
Chromyl chloride, see Chromium oxychloride.												
Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.												
Coal briquettes, hot	3	UN1136	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Coal gas, compressed	3	UN1139	I	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Coal tar distillates, flammable												
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).												
Cobalt naphthenates, powder	4.1	UN2001	III	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
Cobalt resinate, precipitated	4.1	UN1318	III	4.1								
Coke, hot	Forbiddn		III	4.1	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
Collodion, see Nitrocellulose etc.			III	4.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Combustible liquid, n.o.s.	Comb liq	NA1993	III	None	IB3, T1, T4, TP1	150	203	241	60 L	220 L	A	
Components, explosive train, n.o.s.	1.2B	UN0382	II	1.2B	101	None	62	None	Forbiddn	Forbiddn	05	25
Components, explosive train, n.o.s.	1.4B	UN0383	II	1.4B	101	None	62	None	Forbiddn	75 kg	05	25
Components, explosive train, n.o.s.	1.4S	UN0384	II	1.4S	101	None	62	None	Forbiddn	100 kg	01	25
Components, explosive train, n.o.s.	1.1B	UN0461	II	1.1B	101	None	62	None	Forbiddn	Forbiddn	05	25
Composition B, see Hexolite, etc.												
Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
			II	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
			III	8	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
Compounds, cleaning liquid	3	NA1993	I	3	B1, IB3, T4, TP1, TP29	150	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, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Compounds, tree killing, liquid or Compounds, weed killing, liquid.	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
			II	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
			III	8	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
Compounds, tree killing, liquid or Compounds, weed killing, liquid.	3	NA1993	I	3	B1, IB3, T4, TP1, TP29	150	201	243	1 L	30 L	E	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	6.1	NA2810	II III	3	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150 150	202 203	242 242	5 L 60 L	60 L 220 L	B A		
G	Compressed gas, flammable, n.o.s.	2.1	UN1954	II III	6.1 2.1	T14, TP2, TP13, TP27 IB2, T11, TP2, TP27 IB3, T7, TP1, TP28	None 153 306	201 202 203 302 305	243 243 241 314 315	1 L 5 L 60 L Forbidden 150 kg	30 L 60 L 220 L 150 kg	B B A D	40 40 40 40	
G	Compressed gas, n.o.s.	2.2	UN1956	2.2	2.2		306 307	302 305	314 315	75 kg 150 kg	150 kg A	A		
G	Compressed gas, oxidizing, n.o.s.	2.2	UN3156	2.2	2.2	A14	306	302	314	75 kg	150 kg	D		
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3304	2.3, 8	2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40	
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3304	2.3, 8	2.3, 8	2, B9, B14	None	302	314	Forbidden	Forbidden	D	40	
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3304	2.3, 8	2.3, 8	3, B14	None	302	314	Forbidden	Forbidden	D	40	
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D.	2.3	UN3304	2.3, 8	2.3, 8	4	None	302	314	Forbidden	Forbidden	D	40	
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3305	2.3, 2.1, 8	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40	
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3305	2.3, 2.1, 8	2.3, 2.1, 8	2, B9, B14	None	302	314	Forbidden	Forbidden	D	17, 40	
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3305	2.3, 2.1, 8	2.3, 2.1, 8	3, B14	None	302	314	Forbidden	Forbidden	D	17, 40	
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone D.	2.3	UN3305	2.3, 2.1, 8	2.3, 2.1, 8	4	None	302	314	Forbidden	Forbidden	D	17, 40	
G	Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone A.	2.3	UN1953	2.3	2.3	1	None	192	245	Forbidden	Forbidden	D	40	
G	Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone B.	2.3	UN1953	2.3	2.3	2, B9, B14	None	302	314	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, 314, 315	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, 314, 315	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN1955	2.3	1	None ...	192 ...	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, 314, 315	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, 314, 315	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN1955	2.3	4	None ...	302, 314, 315	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 ...	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, 314, 315	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, 314, 315	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, 314, 315	Forbidden	D	40, 89, 90
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN3303	2.3, 5.1	1	None ...	192 ...	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3303	2.3, 5.1	2, B9, B14	None ...	302, 314, 315	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3303	2.3, 5.1	3, B14	None ...	302, 314, 315	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3303	2.3, 5.1	4	None ...	302, 314, 315	Forbidden	D	40
D	Consumer commodity	ORM-D		9		156, 306, 167	305, 306, 167	30 kg gross, 30 kg gross	A	
G	Consumer commodity	9	ID8000	9		None	62	Forbidden	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with burster, expelling charge or propelling charge.	1.2L	UN0248	1.2L		None	62	Forbidden	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with burster, expelling charge or propelling charge.	1.3L	UN0249	1.3L		None	62	Forbidden	05	25, 14E, 15E, 17E
	Copper acetoarsenite	6.1	UN1585	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	
	Copper acetylacrylate	Forbidden								
	Copper amine azide	Forbidden								
	Copper arsenite	6.1	UN1586	6.1	IB8, IP2, IP4, T3, TP33	153	212	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)
A W	Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2776	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3009	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
				I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
				III	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	242	100 kg	200 kg	A	40
				II	5.1	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	52
			II	6.1	IB8, IP2, IP4, T3, TP33	153	204	242	25 kg	100 kg	A	52	
			Forbidden										
	Copper tetramine nitrate	4.2	UN1363	III	4.2	IB8, IP3, IP7	None	213	241	Forbidden	Forbidden	A	13, 25, 119
	Cord, detonating, flexible	1.1D	UN0065	II	1.1D	102	63(a)	62	None	Forbidden	Forbidden	04	25
	Cord, detonating, flexible	1.4D	UN0289	II	1.4D		None	62	None	Forbidden	75 kg	02	25
	Cord detonating or Fuse detonating metal clad	1.2D	UN0102	II	1.2D		None	62	None	Forbidden	Forbidden	04	25
	Cord, detonating or Fuse, detonating metal clad	1.1D	UN0290	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
	Cord, detonating, mild effect or Fuse, detonating, mild effect metal clad	1.4D	UN0104	II	1.4D		None	62	None	Forbidden	75 kg	02	25
	Cord, igniter	1.4G	UN0066	II	1.4G		None	62	None	Forbidden	75 kg	02	25

G	Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible.	8	UN3264	I	8	.....	A6, B10, T14, TP2, TP27	None	201	243	.....	0.5 L	2.5 L	B	40
G	Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3265	II	8	.....	B2, IB2, T11, TP2, TP27	154	202	242	.....	1 L	30 L	B	40
G	Corrosive liquid, acidic, organic, n.o.s.	8	UN3266	III	8	.....	IB3, T7, TP1, TP28	154	203	241	.....	5 L	60 L	A	40
G	Corrosive liquid, basic, inorganic, n.o.s.	8	UN3267	I	8	.....	A6, B10, T14, TP2, TP27	None	201	243	.....	0.5 L	2.5 L	B	40
G	Corrosive liquid, basic, organic, n.o.s.	8	UN3301	II	8	.....	B2, IB2, T11, TP2, TP27	154	202	242	.....	1 L	30 L	B	40, 52
G	Corrosive liquid, self-heating, n.o.s.	8	UN2920	III	8	.....	IB3, T7, TP1, TP28	154	203	241	.....	5 L	60 L	A	40, 52
G	Corrosive liquids, flammable, n.o.s.	8	UN1760	II	8, 4, 2	.....	A6, B10	None	201	243	.....	0.5 L	2.5 L	D	25, 40
G	Corrosive liquids, n.o.s.	8	UN3093	I	8, 4, 2	.....	B2, IB1	154	202	242	.....	1 L	30 L	D	25, 40
G	Corrosive liquids, oxidizing, n.o.s.	8	UN2922	I	8, 3	.....	A6, B10, T14, TP2, TP27	None	201	243	.....	0.5 L	2.5 L	C	25, 40
G	Corrosive liquids, water-reactive, n.o.s.	8	UN3094	II	8, 3	.....	B2, IB2, T11, TP2, TP27	None	202	243	.....	1 L	30 L	C	25, 40
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	I	8	.....	A6, A7, B10, T14, TP2, TP27	None	201	243	.....	0.5 L	2.5 L	B	40
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	II	8	.....	B2, IB2, T11, TP2, TP27	154	202	242	.....	1 L	30 L	B	40
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	III	8, 5, 1	.....	IB3, T7, TP1, TP28	154	203	241	.....	5 L	60 L	A	40
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	II	8, 5, 1	.....	A6, A7	None	201	243	.....	Forbiddén	2.5 L	C	89
G	Corrosive solid, n.o.s.	8	UN3264	I	8, 6, 1	.....	A6, A7, IB2	None	202	243	.....	1 L	30 L	C	89
G	Corrosive solid, n.o.s.	8	UN3265	I	8, 6, 1	.....	A6, A7, B10, T14, TP2, TP13, TP27	None	201	243	.....	0.5 L	2.5 L	B	40
G	Corrosive solid, n.o.s.	8	UN3266	II	8, 6, 1	.....	B3, IB2, T7, TP2	154	202	243	.....	1 L	30 L	B	40
G	Corrosive solid, n.o.s.	8	UN3267	III	8, 6, 1	.....	IB3, T7, TP1, TP28	154	203	241	.....	5 L	60 L	B	40
G	Corrosive solid, n.o.s.	8	UN3268	I	8, 4, 3	.....	A6, A7	None	201	243	.....	Forbiddén	1 L	E	52
G	Corrosive solid, n.o.s.	8	UN3269	II	8, 4, 3	.....	IB7, IP1, T6, TP33	None	202	243	.....	1 L	5 L	E	52
G	Corrosive solid, n.o.s.	8	UN3270	I	8	.....	None	None	211	242	.....	1 kg	25 kg	B	52
G	Corrosive solid, n.o.s.	8	UN3271	II	8	.....	IB8, IP2, IP4, T3, TP33	154	212	240	.....	15 kg	50 kg	B	52
G	Corrosive solid, n.o.s.	8	UN3272	III	8	.....	IB8, IP3, T1, TP33	154	213	240	.....	25 kg	100 kg	A	52
G	Corrosive solid, n.o.s.	8	UN3273	I	8	.....	IB7, IP1, T6, TP33	None	211	242	.....	1 kg	25 kg	B	52
G	Corrosive solid, n.o.s.	8	UN3274	II	8	.....	IB8, IP2, IP4, T3, TP33	154	212	240	.....	15 kg	50 kg	B	52
G	Corrosive solid, n.o.s.	8	UN3275	III	8	.....	IB8, IP3, T1, TP33	154	213	240	.....	25 kg	100 kg	A	52
G	Corrosive solid, n.o.s.	8	UN3276	I	8	.....	IB7, IP1, T6, TP33	None	211	242	.....	1 kg	25 kg	B	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)
G	Corrosive solids, flammable, n.o.s.	8	UN2921	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	52
G	Corrosive solids, n.o.s.	8	UN1759	I	8, 4.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084	I	8, 4.1	IB6, T6, TP33	None	211	242	1 kg	25 kg	B	12, 25
G	Corrosive solids, self-heating, n.o.s.	8	UN3095	I	8, 4.1	IB8, IP2, IP4, T3, TP33	None	212	242	15 kg	50 kg	B	12, 25
G	Corrosive solids, toxic, n.o.s.	8	UN2923	I	8, 4.2	IB6, IP2, T3, TP33	None	211	243	1 kg	25 kg	B	
G	Corrosive solids, water-reactive, n.o.s.	8	UN3096	I	8, 4.2	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
D	Cotton	9	NA1365	III	8, 6.1	IB7, T6, TP33	None	211	242	1 kg	25 kg	B	40
A	Cotton waste, oily	4.2	UN1364	III	8, 6.1	IB8, IP3, T1, TP33	154	212	240	15 kg	100 kg	B	40
A	Cotton, wet	4.2	UN1365	III	8, 6.1	IB4, IP1, T6, TP33	154	213	240	25 kg	100 kg	B	40, 95
W	Coumarin derivative pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN3024	I	3, 6.1	IB6, IP2, T3, TP33	None	211	243	1 kg	25 kg	D	
W	Coumarin derivative pesticides, liquid, toxic.	6.1	UN3026	I	6.1	137, IB8, IP2, IP4, W41	None	212	242	15 kg	50 kg	D	
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	I	6.1, 3	IB8, IP3, IP7	None	213	241	No limit	No limit	A	54
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	I	6.1, 3	IB8, IP3, IP7	None	204	241	Forbidden	Forbidden	A	
W	Coumarin derivative pesticides, liquid, toxic.	6.1	UN3025	I	6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
W	Coumarin derivative pesticides, liquid, toxic.	6.1	UN3026	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
W	Coumarin derivative pesticides, liquid, toxic.	6.1	UN3026	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	I	6.1, 3	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	I	6.1, 3	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
W	Coumarin derivative pesticides, liquid, toxic, flash point less than 23 degrees C.	6.1	UN3025	III	6.1, 3	B1, IB3, T7, TP1, TP28	153	203	242	60 L	220 L	A	40

Coumarin derivative pesticides, solid, toxic.	6.1	UN3027	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
.....			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
.....			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Cresols, liquid	6.1	UN2076	II	6.1, 8	IB2, IP2, IP4, T7, TP2	153	202	243	1 L	30 L	B	40
.....			III	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	40
Cresylic acid	6.1	UN3455	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	B	40
.....			III	6.1, 3	2, 175, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Crotonaldehyde or Crotonaldehyde, stabilized.	6.1	UN1143	I	6.1, 3	.....	None	62	62	25 kg	100 kg	01	25
Crotonic acid, liquid	8	UN3472	III	8	IB8, T1	154	203	241	5 L	60 L	A	12.
.....			III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12.
Crotonic acid, solid	8	UN2823	III	8	T11, TP2	150	201	243	1 L	30 L	E	40
.....			I	3	IB2, T7, TP2	154	202	243	1 L	30 L	A	40
Crotylene	3	UN1144	I	8, 6.1	IB3, T7, TP1, TP28	154	203	242	5 L	60 L	A	95
Cupriethylenediamine solution	8	UN1761	III	8, 6.1	.....	None	62	62	25 kg	100 kg	01	25
Cutters, cable, explosive	1.4S	UN0070	II	1.4S	.....	None	62	62	25 kg	100 kg	01	25
Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.												
Cyanide solutions, n.o.s.	6.1	UN1935	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
.....			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52
.....			III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52
Cyanides, inorganic, solid, n.o.s.	6.1	UN1588	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52
.....			II	6.1	IB8, IP2, IP4, N74, N75, TP33	153	212	242	25 kg	100 kg	A	52
.....			III	6.1	IB8, IP3, N74, N75, T1, TP33	153	213	240	100 kg	200 kg	A	52
Cyanogen	2.3	UN1026	2.3,	2.3,	.....	None	304	245	Forbidden	Forbidden	D	40
.....			2.1,	2.1,	.....	None	211	242	1 kg	15 kg	D	40
Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8, T6, TP33	None	192	245	Forbidden	Forbidden	D	40
.....			II	8	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	A	12, 40
Cyanogen chloride, stabilized	2.3	UN1589	II	8	.....	None	212	240	15 kg	50 kg	A	12, 40
Cyanuric chloride	8	UN2670	II	8	.....	None	212	240	15 kg	50 kg	A	12, 40
Cyanuric triazide	Forbidden											
Cyclobutane	2.1	UN2601	2.1	2.1	.....	306	304	314,	Forbidden	150 kg	B	40
.....			II	6.1, 8,	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13,
Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8,	.....	153	202	243	1 L	30 L	A	21, 25,
.....			III	3,	.....	153	203	241	60 L	220 L	A	40,
1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
.....			II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Cycloheptane	3	UN2241	II	3	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
.....			III	3, 6.1	B1, IB2, T4, TP1	150	202	243	5 L	60 L	B	40
Cycloheptatriene	3	UN2603	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
.....			III	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
Cyclohexane	3	UN1145	II	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
.....			III	3	.....	150	202	242	5 L	60 L	E	40
Cyclohexanone	3	UN1915	III	3	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Cyclohexene	3	UN2256	III	3	.....	None	206	242	Forbidden	30 L	C	40
Cyclohexyltrichlorosilane	8	UN1762	II	8	None	206	242	Forbidden	30 L	C	40

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(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)	Cyclohexyl acetate	3	UN2243	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
			6.1				UN2488	I	6.1, 3	None	227			244	Forbidden	Forbidden
(1)	Cyclohexyl mercaptan	3	UN3054	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 95	
			8				UN2357	II	8, 3	None	202			243
(1)	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40	
			None				206	242	Forbidden	30 L				
(1)	Cyclonite and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. Cyclonite and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. Cyclonite and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.	Forbidden												
(1)	Cyclooctadienes	3	UN2520	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
			3				UN2358	III	3	150	202			242	5 L	60 L	B
(1)	Cyclooctatetraene	3	UN1146	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	40	
			None				202	242	Forbidden	30 L				
(1)	Cyclopentane, methyl, see Methycyclopentane	3	UN2244	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
			3				UN2245	III	3	150	203			242	5 L	60 L	A
(1)	Cyclopentane	3	UN2246	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40	
			2.1				UN1027	306	304	314, 315	Forbidden			150 kg	E
(1)	Cyclooctatriene tetranitramine (dry or unphlegmatized) (HMX)	Forbidden												

Cyclotramethylenetetranitramine, desensitized or Octogen, desensitized or HMX, desensitized.	1.1D UN0484	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden 04	25
Cyclotramethylenetetranitramine, wetted or HMX, wetted or Octogen, wetted with not less than 15 percent water, by mass.	1.1D UN0226	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden 04	25
Cyclotrimethylenetrinitramine and octogen, mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized, etc.										
Cyclotrimethylenetrinitramine and cyclotramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.										
Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized.	1.1D UN0483	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden 04	25
Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass.	1.1D UN0072	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden 04	25
Cymenes	3 UN2046	III	3	B1, B3, 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, B6, IP2, T3, TP33	None ..	212	None	Forbidden	50 kg A	74
Decahydronaphthalene	3 UN1147	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L A	
n-Decane	3 UN2247	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L A	
Deflagrating metal salts of aromatic nitroderivatives, n.o.s.	1.3C UN0192	II	1.3C ..	.....	None ..	62	None	Forbidden	Forbidden 04	25, 5E
Delay electric igniter, see Igniters.										
Denatured alcohol	3 NA1987	II	3	172, T8	150	202	242	5 L	60 L B	
Depth charges, see Charges, depth.										
Desensitized explosive, liquid, n.o.s.	3 UN3379	I	3	164	None ..	201	None	Forbidden	Forbidden D	36
Desensitized explosive, solid, n.o.s.	4.1 UN3380	I	4.1	164	None ..	211	None	Forbidden	Forbidden D	28, 36
Detonating relays, see Detonators, etc.										
Detonator assemblies, non-electric for blasting.	1.1B UN0360	II	1.1B ..	.....	None ..	62	None	Forbidden	Forbidden 05	25
Detonator assemblies, non-electric, for blasting.	1.4B UN0361	II	1.4B ..	103	63(l), 63(g).	62	None	Forbidden	75 kg 05	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Detonator assemblies, non-electric, for blasting	1.4S	UN0500	II	1.4S ...	347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
	Detonators, electric, for blasting	1.1B	UN0030	II	1.1B ...		63(f), 63(g)	62	None	Forbidden	Forbidden	05	25
	Detonators, electric, for blasting	1.4B	UN0255	II	1.4B ...	103	63(f), 63(g)	62	None	Forbidden	75 kg	05	25
	Detonators, electric for blasting	1.4S	UN0456	II	1.4S ...	347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
	Detonators for ammunition	1.1B	UN0073	II	1.1B ...		None	62	None	Forbidden	Forbidden	05	25
	Detonators for ammunition	1.2B	UN0364	II	1.2B ...		None	62	None	Forbidden	Forbidden	05	25
	Detonators for ammunition	1.4B	UN0365	II	1.4B ...	103	None	62	None	Forbidden	75 kg	05	25
	Detonators for ammunition	1.4S	UN0366	II	1.4S ...	347	None	62	None	25 kg	100 kg	01	25
	Detonators, non-electric, for blasting	1.1B	UN0029	II	1.1B ...		None	62	None	Forbidden	Forbidden	05	25
	Detonators, non-electric, for blasting	1.4B	UN0267	II	1.4B ...	103	63(f), 63(g)	62	None	Forbidden	75 kg	05	25
	Detonators, non-electric, for blasting	1.4S	UN0455	II	1.4S ...	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 refills for small devices with release de-vice.	2.1	UN3150		2.1		306	304	None	1 kg	15 kg	B	40
	Di-n-amylamine	3	UN2841	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Di-n-butyl peroxydicarbonate, 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 solution.	Forbidden											
	Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution.	Forbidden											
	2,2-Di-(4,4-di-tert-butylperoxy)cyclohexyl) 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	

§ 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)
	Dibromomethane	6.1	UN2664	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Dibutyl ethers	3	UN1149	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dibutylaminoethanol	6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>N,N</i> -Dichlorazodicarbonamide (salts of) (dry)	Forbidden											
	1,1-Dichloro-1-nitroethane	6.1	UN2650	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40, 74
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, A6, 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, 40
	Dichloroacetyl chloride	8	UN1765	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40
	Dichloroacetylene	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'-Dichlorodimethyl ether	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	
	Dichlorodifluoromethane and difluoroethane azeotropic mixture or Refrigerant gas R 500 with ap-proximately 74 percent dichloro-difluoromethane.	2.2	UN2602	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodifluoromethane or Refrigerant gas R 12.	2.2	UN1028		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1, 3	IB2, T4, TP1	None	201	243	Forbidden	Forbidden		40
	1,1-Dichloroethane	3	UN2362	II	3		150	202	242	5 L	60 L	B	40
	1,2-Dichloroethane, see Ethylene di-chloride.	Forbidden											
	Dichloroethyl sulfide	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	
	1,2-Dichloroethylene	2.2	UN1029	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorofluoromethane or Refrigerant gas R21.	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13
	Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts.	6.1	UN2490	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	
	Dichloroisopropyl ether	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	203	241	60 L	220 L	A	

UN number	Proper shipping name	HAZARDOUS MATERIALS TABLE	Quantity	Special provisions	Labels	Placards	Other
3 UN1152	Dichloropentanes	III 3	220 L	B1, IB3, T2, TP1	242	A	
6.1 UN2250	Dichlorophenyl isocyanates	III 6.1	100 kg	IB8, IP2, IP4, T3, TP33	242	B	25, 40
8 UN1766	Dichlorophenyltrichlorosilane	II 8	30 L	A7, B2, B6, N34, T10, TP2, TP7, TP13	242	C	40
3 UN1279	1,2-Dichloropropane	II 3	60 L	IB2, N36, T4, TP1	242	B	12, 40
6.1 UN2750	1,3-Dichloropropanol-2 <i>Dichloropropane and propylene dichloride mixture, see 1,2-Dichloropropane.</i>	II 6.1	60 L	IB2, T7, TP2	243	A	
3 UN2047	Dichloropropenes	II 3	60 L	IB2, T4, TP1	242	B	
2.3 UN2189	Dichlorosilane	III 2.3	220 L	B1, IB3, T2, TP1	242	A	17, 40
2.2 UN1958	1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114.	2.2	150 kg	T50	314, 315	A	
Forbidden	<i>Dichlorovinylchloroarsine</i>						
8 UN2565	Dicyclohexylamine	III 8	60 L	IB3, T4, TP1	241	A	
4.1 UN2687	Dicyclohexylammonium nitrite	III 4.1	100 kg	IB8, IP3, T1, TP33	240	A	25
3 UN2048	Dicyclopentadiene	III 3	60 L	B1, IB3, T2, TP1	242	A	
5.1 UN1486	Diarymium nitrate	III 5.1	25 kg	A1, IB8, IP3, T1, TP33	240	A	
3 NA1993	Diesel fuel	III None	60 L	144, B1, IB3, T4, TP1, TP29	242	A	
3 UN1202	Diesel fuel	III 3	220 L	144, B1, IB3, T2, TP1	242	A	
Forbidden	<i>Diethanol nitrosamine dinitrate (dry)</i>						
3 UN2373	Diethoxymethane	II 3	60 L	IB2, T4, TP1	242	E	
3 UN2374	3,3-Diethoxypropene	II 3	60 L	IB2, T4, TP1	242	B	
3 UN2366	Diethyl carbonate	III 3	220 L	B1, IB3, T2, TP1	242	A	
3 UN1155	<i>Diethyl cellosolve, see Ethylene glycol diethyl ether.</i>	I 3	30 L	T11, TP2	243	E	40
3 UN1156	Diethyl ether or Ethyl ether	II 3	60 L	IB2, T4, TP1	242	B	
Forbidden	<i>Diethyl peroxycarbonate, with more than 27 percent in solution.</i>						
6.1 UN1594	Diethyl sulfate	II 6.1	60 L	IB2, T7, TP2	243	C	
3 UN2375	Diethyl sulfide	II 3	60 L	IB2, T7, TP1, TP13	243	E	
3 UN1154	Diethylamine	II 3, 8	5 L	A3, IB2, N34, T7, TP1	243	E	40
8 UN2686	2-Diethylaminoethanol	II 8, 3	30 L	B2, IB2, T7, TP2	243	A	
3 UN2684	3-Diethylamino-propylamine	III 3, 8	60 L	B1, IB3, T4, TP1	242	A	
6.1 UN2432	N, N-Diethylamine	III 6.1	220 L	IB3, T4, TP1	241	A	
3 UN2049	Diethylbenzene	III 3	220 L	B1, IB3, T2, TP1	243	A	
8 UN1767	Diethyldichlorosilane	II 8, 3	30 L	A7, B6, N34, T10, TP2, TP7, TP13	243	C	40
Forbidden	<i>Diethylene glycol dinitrate</i>						

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble phlegmatizer, by mass.	1.1D	UN0075	II	1.1D		None	62	None	Forbidden	04	25, 21E	
	Diethylenetriamine	8	UN2079	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L A	40, 52	
	N,N-Diethylethylenediamine	8	UN2685	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L A		
	Diethylgoid bromide	Forbidden											
	Diethylthiophosphoryl chloride	8	UN2751	II	8	B2, IB2, T7, TP2	None	212	240	15 kg	50 kg D	12, 40	
	Difluorochloroethanes; see 1-Chloro-1,1-difluoroethanes.												
	1,1-Difluoroethane or Refrigerant gas R 152a.	2.1	UN1030	2.1	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	2.1		306	304	None	Forbidden	150 kg E	40	
	Difluoromethane or Refrigerant gas R 32.	2.1	UN3252	2.1	2.1	T50	306	302	314, 315.	Forbidden	150 kg D	40	
	Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A6, 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		
	1,8-Dihydroxy-2,4,5,7-tetrahydroanthraquinone (chrysammic acid).	Forbidden											
	Dioabacetylene	Forbidden											
	Disobutyl ketone	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L A		
	Disobutylamine	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L A		
	Disobutylene, isomeric compounds	3	UN2050	III	3	IB2, T4, TP1	150	202	242	5 L	60 L B		
	Disococyl acid phosphate	8	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L A		
	Disopropyl ether	3	UN1159	II	3	IB2, T4, TP1	150	202	242	5 L	60 L E	40	
	Disopropylamine	3	UN1158	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L B		
	Disopropylbenzene hydroperoxide, with more than 72 percent in solution.	Forbidden											
	Diketene, stabilized	6.1	UN2521	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden D	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		

§ 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)		
	1,4-Dinitro-1,1,4,4-tetramethylolbutanetetranitrate (dry).	Forbidden													
	2,4-Dinitro-1,3,5-trimethylbenzene ...	Forbidden	UN1596	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91		
	Dinitroanilines ...	6.1	UN1597	II	6.1	11, IB2, T7, TP2	153	202	243	5 L	60 L	A	91		
	Dinitrobenzenes, liquid ...	6.1		III	6.1	11, IB3, T7, TP2	153	203	241	60 L	220 L	A	91		
	Dinitrobenzenes, solid ...	6.1	UN3443	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91		
	Dinitrochlorobenzene, see Chlorodinitrobenzene.														
	1,2-Dinitroethane ...	Forbidden													
	1,1-Dinitroethane (dry) ...	Forbidden	UN1067		2,3, 5,1, 8,	1, B7, B14, B45, B46, B61, B66, B67, B77, T50, TP21	None	336	314	Forbidden	Forbidden	D	40, 89, 90		
	Dinitrogen tetroxide ...	2.3			1.1D		None	62	None	Forbidden	Forbidden	04	25		
	Dinitroglucuril or Dingu ...	1.1D	UN0489	II	1.1D		None	62	None	Forbidden	Forbidden	04	25, 5E		
	Dinitromethane ...	Forbidden	UN0076	II	1.1D, 6.1,		None	62	None	Forbidden	Forbidden	04	25, 5E		
	Dinitrophenol, dry or wetted with less than 15 percent water, by mass.	1.1D		II	6.1,		None	62	None	Forbidden	Forbidden	04	25, 5E		
	Dinitrophenol solutions ...	6.1	UN1599	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	36		
	Dinitrophenol, wetted with not less than 15 percent water, by mass.	4.1	UN1320	I	4.1,	IB3, T4, TP1	153	203	241	60 L	220 L	A	36		
	Dinitrophenolates, alkali metals, dry or wetted with less than 15 percent water, by mass.	4.1		I	4.1,	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36		
	Dinitrophenolates, wetted with not less than 15 percent water, by mass.	1.3C	UN0077	II	1.3C, 6.1,		None								
	Dinitropropylene glycol ...	4.1	UN1321	I	4.1, 6.1,	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36		
	Dinitrosorcinol, dry or wetted with less than 15 percent water, by mass.	Forbidden													
	Dinitrosorcinol (heavy metal salts of) (dry).	1.1D	UN0078	II	1.1D		None	62	None	Forbidden	Forbidden	04	25, 5E		
	2,4-Dinitrosorcinol (heavy metal salts of) (dry).	Forbidden													
	4,6-Dinitrosorcinol (heavy metal salts of) (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)
G	Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corrosive, n.o.s.	8	UN2801	I	8	11, A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	
G	Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	III	8	11, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A	
G	Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	6.1	11, IB3, T7, TP1, TP28	None	201	243	5 L	60 L	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	III	8	IB2, IB3, IB7, IP1, T6, TP33	153	202	243	5 L	60 L	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	60 L	220 L	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	III	6.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	I	6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	III	6.1	A5, IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	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. Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point.	3	UN3256	III	3	IB1, T3, TP3, TP29	None	None	247	Forbidden	Forbidden	A	
G	Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.). Elevated temperature solid, n.o.s., at or above 240 C, see § 173.247(h)(4).	9	UN3257	III	9	IB1, T3, TP3, TP29	None	None	247	Forbidden	Forbidden	A	85
G	Engines, internal combustion, or Engines, fuel cell, flammable gas powered.	9	UN3166	.....	9	135, A200	247 (h)(4)	None	247	Forbidden	Forbidden	A	85
G	Engines, internal combustion, or Engines, fuel cell, flammable gas powered.	9	UN3166	.....	9	135, A200	220	220	220	Forbidden	No limit	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)
+	Ethyl 2-chloropropionate	3	UN2935	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethyl chloroformate	8	UN2826	II	8, 6.1, 3	2, B9, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40
	Ethyl crotonate	3	UN1862	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
	Ethyl ether, see Diethyl ether.												
	Ethyl fluoride or Refrigerant gas R161.	2.1	UN2453		2.1		306	304	314, 315	Forbidden	150 kg	E	40
	Ethyl formate	3	UN1190	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Ethyl hydroperoxide	Forbidden											
	Ethyl isobutyrate	3	UN2385	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl isocyanate	6.1	UN2481	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40, 52
	Ethyl lactate	3	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	A	
Ethyl mercaptan	3	UN2363	I	3	A6, T11, TP2, TP13	None	201	243	Forbidden	30 L	E	95, 102	
Ethyl methacrylate, stabilized	3	UN2277	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
Ethyl methyl ether	2.1	UN1039		2.1		None	201	314, 315	Forbidden	150 kg	B	40	
Ethyl methyl ketone or Methyl ethyl ketone.	3	UN1193	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
Ethyl nitrite solutions	3	UN1194	I	3, 6.1		None	201	None	Forbidden	Forbidden	E	40, 105	
Ethyl orthoformate	3	UN2524	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Ethyl oxalate	6.1	UN2525	III	6.1	IB3, T4, TP1	150	203	241	60 L	220 L	A		
Ethyl perchlorate	Forbidden												
Ethyl phosphonothioic dichloride, anhydrous.	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
Ethyl phosphonous dichloride, anhydrous <i>pyrophoric liquid</i> .	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	UN2815	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	N88	None	304	314, 315	Forbidden	150 kg	B	40	

UN number	Proper shipping name	Class	Subclass	Label	Quantity	Special provisions	Other	Weight	Forbidden	Quantity	Special provisions	Other
2.1	Ethylamine	2.1	.....	2.1	.....	B77, N87, T50	None	321	314, 315	150 kg	D	40
3	Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine.	II	3, 8	II	3, 8	IB2, T7, TP1	150	202	243	5 L	B	40, 52
6.1	N-Ethylaniline	III	6.1	III	6.1	IB3, T4, TP1	153	203	241	220 L	A	52, 74
6.1	2-Ethylaniline	III	6.1	III	6.1	IB3, T4, TP1	153	203	241	220 L	A	52, 74
3	Ethylbenzene	II	3	II	3	IB2, T4, TP1	150	202	242	60 L	B	
6.1	N-Ethylbenzyloluidines liquid	III	6.1	III	6.1	IB3, T7, TP1	153	203	241	60 L	A	
3	2-Ethylbutanol	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
3	2-Ethylbutyl acetate	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
3	2-Ethylbutylaldehyde	II	3	II	3	B1, IB2, T4, TP1	150	202	242	60 L	B	
6.1	Ethylchloroarsine	I	6.1	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
4.3	Ethylchlorosilane	I	4.3, 8, 3	I	4.3, 8, 3	A2, A3, A7, N34, T14, TP2, TP7, TP13	None	201	244	1 L	D	21, 28, 40, 49, 100, 40, 57
2.1	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	.....	2.1	.....	T75, TP5	None	304	314, 315	Forbidden	D	
6.1	Ethylene chlorohydrin	I	6.1, 3	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
2.1	Ethylene	2.1	.....	2.1	.....		306	304	302	150 kg	E	40
Forbidden	Ethylene diamine diperchlorate											
6.1	Ethylene dibromide	I	6.1	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
3	Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures.	II	3, 6.1	II	3, 6.1	IB2, N36, T7, TP1	150	202	243	60 L	B	40
3	Ethylene dichloride	III	3	III	3	IB2, T4, TP1	150	202	242	60 L	A	
3	Ethylene glycol diethyl ether	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
Forbidden	Ethylene glycol dimethyl ether											
3	Ethylene glycol monoethyl ether	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
3	Ethylene glycol monoethyl ether acetate.	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
3	Ethylene glycol monomethyl ether	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
3	Ethylene glycol monomethyl ether acetate.	III	3	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
2.3	Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide.	2.3,	2.1,			4	None	304	314, 315	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Ethylene oxide and carbon dioxide mixtures with more than 9 percent but not more than 87 percent ethylene oxide.	2.1	UN1041		2.1	T50	306	304 ...	314, 315.	Forbidden	25 kg	B	40
	Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide.	2.2	UN1952		2.2		306	304 ...	314, 315.	75 kg	150 kg	A	
	Ethylene oxide and chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide.	2.2	UN3297		2.2	T50	306	304 ...	314, 315.	75 kg	150 kg	A	
	Ethylene oxide and dichlorodifluoromethane mixture, with not more than 12.5 percent ethylene oxide.	2.2	UN3070		2.2	T50	306	304 ...	314, 315.	75 kg	150 kg	A	
	Ethylene oxide and pentafluoroethane mixture with not more than 7.9 percent ethylene oxide.	2.2	UN3298		2.2	T50	306	304 ...	314, 315.	75 kg	150 kg	A	
	Ethylene oxide and propylene oxide mixtures, with not more than 30 percent ethylene oxide.	3	UN2983	I	3, 6.1	5, A11, I4, N34, T14, TP2, TP7, TP13	None ...	201 ...	243 ...	Forbidden	30 L	E	40
	Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide.	2.2	UN3299		2.2	T50	306	304 ...	314, 315.	75 kg	150 kg	A	
	Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1 MPa (10 bar) at 50 degrees C.	2.3	UN1040		2.3, 2.1	4, 342, T50, TP20	None ...	323 ...	323 ...	Forbidden	Forbidden	D	40
	Ethylene, refrigerated liquid (cryogenic liquid).	2.1	UN1038		2.1	T75, TP5	None ...	316 ...	318, 319.	Forbidden	Forbidden	D	40
	Ethylenediamine	8	UN1604	II	8, 3	IB2, T7, TP2	154	202 ...	243 ...	Forbidden	Forbidden	D	40, 52.
	Ethylenimine, stabilized	6.1	UN1185	I	6.1, 3	1, B9, B14, B30, B77, N25, N32, T22, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	1 L Forbidden	A D	40, 52. 40
	Ethylhexaldehyde, see aldehydes etc.												

2-Ethylhexyl chloroformate	6.1	UN2748	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100, 40
2-Ethylhexylamine	3	UN2276	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Ethylphenylchlorosilane	8	UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	
1-Ethylpiperidine	3	UN2386	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
N-Ethyloluidines	6.1	UN2754	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Ethyltrichlorosilane	3	UN1196	II	3, 8	A7, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40
<i>Etiologic agent, see Infectious substances, etc.</i>												
<i>Explosive articles, see Articles, explosive, n.o.s. etc.</i>												
Explosive, blasting, type A	1.1D	UN0081	II	1.1D		None	62	None	Forbidden	Forbidden	04	25, 19E, 21E
Explosive, blasting, type B	1.1D	UN0082	II	1.1D		None	62	None	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type B or Agent blasting, Type B.	1.5D	UN0331	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	03	25, 19E, 19E
Explosive, blasting, type C	1.1D	UN0083	II	1.1D	123	None	62	None	Forbidden	Forbidden	04	25, 22E
Explosive, blasting, type D	1.1D	UN0084	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
Explosive, blasting, type E	1.1D	UN0241	II	1.1D		None	62	None	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type E or Agent blasting, Type E.	1.5D	UN0332	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	03	25, 19E
<i>Explosive, forbidden. See § 173.54</i>	Forbidden											
<i>Explosive substances, see Substances, explosive, n.o.s. etc.</i>												
<i>Explosives, slurry, see Explosive, blasting, type E.</i>												
<i>Explosives, water gels, see Explosive, blasting, type E.</i>												
Extracts, aromatic, liquid	3	UN1169	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
Extracts, flavoring, liquid	3	UN1197	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
<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	
Ferrocenium	4.1	UN1323	II	4.1	59, A19, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 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)
	Ferrosilicon with 30 percent or more but less than 90 percent silicon.	4.3	UN1408	III	4.3, 6.1.	A1, A19, B6, IB8, IP4, IP7, T1, TP33	151	213	240	25 kg	100 kg	A	13, 40, 52, 53, 85, 103
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, IB8, IP3, IP7	None	213	241	25 kg	100 kg	A	
	Fertilizer ammoniating solution with free ammonia.	2.2	UN1043		2.2	N87	306	304	314, 315.	Forbidden	150 kg	E	40
A I	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	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
	Films, nitrocellulose base, gelatine coated (except scrap).	4.1	UN1324	III	4.1		None	183	None	25 kg	100 kg	D	28
	Fire extinguisher charges, corrosive liquid.	8	UN1774	II	8	N41	154	202	None	1 L	30 L	A	
	Fire extinguisher charges, expelling, explosive, see Cartridges, power device.	2.2	UN1044		2.2	18, 110	309	309	None	75 kg	150 kg	A	52
	Fire extinguishers containing compressed or liquefied gas.	4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	
	Firelighters, solid with flammable liquid.	1.1G	UN0333	II	1.1G	108	None	62	None	Forbidden	Forbidden	03	25
	Fireworks	1.2G	UN0334	II	1.2G	108	None	62	None	Forbidden	Forbidden	03	25
	Fireworks	1.3G	UN0335	II	1.3G	108	None	62	None	Forbidden	Forbidden	03	25

UN Number	Proper Shipping Name	Class	Division	Subdivision	Special Provisions	Quantity	Label	Other
1.4G UN0336	Fireworks	II	1.4G	108, 200	None	62	None	25
1.4S UN0337	Fireworks	II	1.4S	108	None	62	None	25
9 UN3316	First-aid kits	III	9	15	161	161	None	25, 88, 122, 128
9 UN2216	Fish meal, stabilized or Fish scrap, stabilized.	III	None	155, IB8, IP3, T1, TP33	155	218	218	18, 25, 128
4.2 UN1374	Fish meal, unstabilized or Fish scrap, unstabilized.	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33	None	212	241	18, 25, 128
3 UN3286	Flammable liquid, toxic, corrosive, n.o.s.	I	3, 6.1, 8	T14, TP2, TP13, TP27	None	201	243	21, 40, 100
3 UN2924	Flammable liquids, corrosive, n.o.s.	II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	150	202	243	21, 40, 100
3 UN1993	Flammable liquids, n.o.s.	I	3, 8	T14, TP2	None	201	243	40
		II	3, 8	IB2, T11, TP2, TP27	150	202	243	40
		III	3, 8	B1, IB3, T7, TP1, TP28	150	203	242	40
		I	3	T11, TP1, TP27	150	201	243	40
		II	3	IB2, T7, TP1, TP8, TP28	150	202	242	40
		III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	40
3 UN1992	Flammable liquids, toxic, n.o.s.	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	40
		II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	40
		III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	40
4.1 UN3180	Flammable solid, corrosive, inorganic, n.o.s.	II	4.1, 8	A1, IB6, IP2, T3, TP33	151	212	242	40
4.1 UN3178	Flammable solid, inorganic, n.o.s.	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	40
		II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	40
4.1 UN3176	Flammable solid, organic, molten, n.o.s.	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	40
		II	4.1	IB1, T3, TP3, TP26	151	212	240	40
4.1 UN3097	Flammable solid, oxidizing, n.o.s.	III	4.1	IB1, T1, TP3, TP26	151	213	240	40
		II	4.1	131	None	214	214	40
		III	4.1	131, T1, TP33	None	214	214	40
4.1 UN3179	Flammable solid, toxic, inorganic, n.o.s.	II	4.1, 6.1	A1, IB6, IP2, T3, TP33	151	212	242	40
		III	4.1, 6.1	A1, IB6, T1, TP33	151	213	242	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Flammable solids, corrosive, organic, n.o.s.	4.1	UN2925	II	4.1, 8	A1, IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	40
G	Flammable solids, organic, n.o.s.	4.1	UN1325	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	D	40
G	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	III	4.1, 6.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	40
	Flares, aerial	1.3G	UN0093	II	1.3G	A1, IB6, IP2, T3, TP33	151	213	242	25 kg	100 kg	B	40
	Flares, aerial	1.4G	UN0403	II	1.4G		None	62	None	Forbidden	75 kg	03	25
	Flares, aerial	1.4S	UN0404	II	1.4S		None	62	None	Forbidden	75 kg	02	25
	Flares, aerial	1.1G	UN0420	II	1.1G		None	62	None	Forbidden	100 kg	01	25
	Flares, aerial	1.2G	UN0421	II	1.2G		None	62	None	Forbidden	Forbidden	03	25
	Flares, airplane, see Flares, aerial.												
	Flares, signal, see Cartridges, signal.												
	Flares, surface	1.1G	UN0092	II	1.3G		None	62	None	Forbidden	75 kg	03	25
	Flares, surface	1.2G	UN0418	II	1.1G		None	62	None	Forbidden	Forbidden	03	25
	Flares, surface		UN0419	II	1.2G		None	62	None	Forbidden	Forbidden	03	25
	Flares, water-activated, see Contri-vances, water-activated, etc.												
	Flash powder	1.1G	UN0094	II	1.1G		None	62	None	Forbidden	Forbidden	03	25
	Flash powder	1.3G	UN0305	II	1.3G		None	62	None	Forbidden	Forbidden	03	25
	Flue dusts, poisonous, see Arsenical dust.												
	Fluoric acid, see Hydrofluoric acid, etc.												
	Fluorine, compressed	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	
	Fluoroanilines	6.1	UN2941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Fluorobenzene	3	UN2387	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Fluoroboric acid	8	UN1775	II	8	A6, A7, B2, B15, IB2, N3, N34, T7, TP2	154	202	242	1 L	30 L	A	
	Fluorophosphoric acid anhydrous	8	UN1776	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	

UN number	Proper shipping name	Class	Division	Subdivision	Label	Quantity	Special provisions	Quantity	Label	Quantity	Special provisions
6.1 UN2856	Fluorosilicates, n.o.s.	III	6.1	.....	IB8, IP3, T1, TP33	153	.....	213	.....	240	.....
8 UN1778	Fluorosilicic acid	II	8	.....	A6, A7, B2, B15, IB2, N3, N34, T8, TP2	None	.....	202	.....	242	.....
8 UN1777	Fluorosulfonic acid	I	8	.....	A3, A6, A7, A10, B6, B10, N3, N36, T10, TP2	None	.....	201	.....	243	.....
3 UN2388	Fluorotoluenes	II	3	.....	176, B1, IB3, T4, TP1	150	.....	202	.....	242	.....
Forbidden	Formaldehyde solutions, flammable	III	3, 8	.....		150	.....	203	.....	242	.....
8 UN2209	Formaldehyde solutions (with not less than 10% and less than 25% formaldehyde), see Aviation regulated liquid, n.o.s. or Other regulated substances, liquid, n.o.s.	III	8	.....	IB3, T4, TP1	154	.....	203	.....	241	.....
8 UN3412	Formaldehyde solutions, with not less than 25 percent formaldehyde. <i>Formalin</i> , see Formaldehyde, solutions.	II	8	.....	IB2, T7, TP2	154	.....	202	.....	242	.....
8 UN3412	Formic acid with not less than 10% but not more than 85% acid by mass.	III	8	.....	IB3, T4, TP1	154	.....	203	.....	241	.....
8 UN1779	Formic acid with not less than 5% but less than 10% acid by mass.	II	8, 3	.....	B2, B28, IB2, T7, TP2	154	.....	202	.....	242	.....
1.1D UN0099	Formic acid with more than 85% acid by mass.	II	1.1D	.....		None	.....	62	.....	62	.....
3 UN1863	Fracturing devices, explosive, without detonators for oil wells.	I	3	.....		150	.....	201	.....	243	.....
8 UN3477	Fuel, aviation, turbine engine	III	3	.....	144, T11, TP1, TP8, TP28	150	.....	202	.....	242	.....
3 UN3473	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing flammable liquids.	.....	3	.....	144, IB2, T4, TP1, TP8	150	.....	203	.....	242	.....
2.1 UN3479	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing hydrogen in metal hydride	.....	2.1	.....	144, B1, IB3, T2, TP1	230	.....	230	.....	230	.....
2.1 UN3478	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing liquefied flammable gas.	.....	2.1	.....	328	230	.....	230	.....	230	.....

§ 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)
	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	5 kg	50 kg	A	
D	Fuel oil (No. 1, 2, 4, 5, or 6)	3	NA1993	III	3	144, B1, IB3, T4, TP1, TP29	150	203	60 L	220 L	A		
	Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery.	Forbidden											
	Fulminate of mercury (dry)	Forbidden											
	Fulminate of mercury, wet, see Mercury fulminate, etc.												
	Fulminating gold	Forbidden											
	Fulminating mercury	Forbidden											
	Fulminating platinum	Forbidden											
	Fulminating silver	Forbidden											
	Fulminic acid	Forbidden											
	Fumaryl chloride	8	UN1780	II	8	B2, IB2, T7, TP2	154	202	1 L	30 L	C	8, 40	
	Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h).												
	Fumigated transport vehicle or freight container see § 173.9.												
	Furaldehydes	6.1	UN1199	II	6.1, 3		153	202	243	5 L	60 L	A	
	Furan	3	UN2389	I	3		None	201	243	1 L	30 L	E	
	Furfuryl alcohol	6.1	UN2874	III	6.1		153	203	241	60 L	220 L	A	
	Furfurylamine	3	UN2526	III	3, 8		150	203	242	5 L	60 L	A	
	Fuse, detonating, metal clad, see Cord, detonating, metal clad.												
	Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad.												
	Fuse, igniter tubular metal clad	1.4G	UN0103	II	1.4G ..		None ..	62	None	Forbidden	75 kg	02	
	Fuse, non-detonating instantaneous or quickmatch.	1.3G	UN0101	II	1.3G ..		None ..	62	None	Forbidden	Forbidden	03	
	Fuse, safety	1.4S	UN0105	II	1.4S ..		None ..	62	None	25 kg	100 kg	01	

D	UN1201	Fuses, tracer, see Tracers for ammunition.	4.1	III	4.1	IB2, T4, TP1 B1, IB3, T2, TP1	None 150	184 202 203	None 242	15 kg 5 L 60 L	50 kg 60 L 220 L	B B A		25
	UN0106	Fuzes, detonating	1.1B	II	1.1B		None	62	None	Forbidden	Forbidden	05		25
	UN0107	Fuzes, detonating	1.2B	II	1.2B		None	62	None	Forbidden	Forbidden	05		25
	UN0257	Fuzes, detonating	1.4B	II	1.4B	116	None	62	None	Forbidden	75 kg	05		25
	UN0367	Fuzes, detonating	1.4S	II	1.4S	116	None	62	None	25 kg	100 kg	01		25
	UN0408	Fuzes, detonating, with protective features	1.1D	II	1.1D		None	62	None	Forbidden	Forbidden	04		25
	UN0409	Fuzes, detonating, with protective features	1.2D	II	1.2D		None	62	None	Forbidden	Forbidden	04		25
	UN0410	Fuzes, detonating, with protective features	1.4D	II	1.4D	116	None	62	None	Forbidden	75 kg	02		25
	UN0316	Fuzes, igniting	1.3G	II	1.3G		None	62	None	Forbidden	Forbidden	03		25
	UN0317	Fuzes, igniting	1.4G	II	1.4G		None	62	None	Forbidden	75 kg	02		25
	UN0368	Fuzes, igniting	1.4S	II	1.4S		None	62	None	25 kg	100 kg	01		25
	UN2803	Galactean trinitrate		III	8	T1, TP33	None	162	240	20 kg	20 kg	B		25
	UN2037	Gas cartridges, (flammable) without a release device, non-refillable	2.1	III	2.1		306	304	None	1 kg	15 kg	B		40
	NA9035	Gas identification set	2.3	III	2.3	6	None	194	None	Forbidden	Forbidden	D		
	UN1202	Gas oil	2.1	III	2.1	144, B1, IB3, T2, TP1 T75, TP5	150	203	242	60 L	220 L	A		
	UN3312	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.1	III	2.1		None	316	318	Forbidden	Forbidden	D		40
	UN3158	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	III	2.2	T75, TP5	320	316	318	50 kg	500 kg	D		
	UN3311	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2	III	2.2	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D		
	UN3167	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.1	III	2.1		306	302	None	1 L	5 L	D		
	UN3168	Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3	III	2.3	6	306	302	None	Forbidden	1 L	D		
	UN3169	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	III	2.3	6	306	302	None	Forbidden	1 L	D		D
	UN1203	Gasoline, casinghead, see Gasoline. Gelatine, blasting, see Explosive, blasting, type A. Gelatine dynamites, see Explosive, blasting, type A.	3	III	3	144, 177, B1, B33, IB2, T4	150	202	242	5 L	60 L	E		

§ 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)
	Germane	2.3	UN2192		2.3, 2.1.	2	None ...	302 ...	245 ...	Forbidden	Forbidden	D	40
	<i>Glycerol-1,3-dinitrate</i>	Forbidden											
	<i>Glycerol gluconate trinitrate</i>	Forbidden											
	<i>Glycerol lactate trinitrate</i>	Forbidden											
	<i>Glycerol alpha-monochlorohydrin</i>	6.1	UN2689	III	6.1	IB3, T4, TP1	153	203 ...	241 ...	60 L	220 L	A	
	<i>Glyceryl trinitrate, see Nitroglycerin, etc.</i>												
	<i>Glycidaldehyde</i>	3	UN2622	II	3, 6.1	IB2, IP8, T7, TP1	150	202 ...	243 ...	1 L	60 L	A	40
	<i>Grenades, hand or rifle, with bursting charge.</i>	1.1D	UN0284	II	1.1D ..			62	None	Forbidden	Forbidden	04	25
	<i>Grenades, hand or rifle, with bursting charge.</i>	1.2D	UN0285	II	1.2D ..			62	None	Forbidden	Forbidden	04	25
	<i>Grenades, hand or rifle, with bursting charge.</i>	1.1F	UN0292	II	1.1F ...			62	None	Forbidden	Forbidden	05	25
	<i>Grenades, hand or rifle, with bursting charge.</i>	1.2F	UN0293	II	1.2F ...			62	None	Forbidden	Forbidden	05	25
	<i>Grenades, illuminating, see Ammunition, illuminating, etc.</i>												
	<i>Grenades, practice, hand or rifle</i>	1.4S	UN0110	II	1.4S ...			62	None	25 kg	100 kg	01	25
	<i>Grenades, practice, hand or rifle</i>	1.3G	UN0318	II	1.3G ...			62	None	Forbidden	Forbidden	03	25
	<i>Grenades, practice, hand or rifle</i>	1.2G	UN0372	II	1.2G ...			62	None	Forbidden	Forbidden	03	25
	<i>Grenades, practice, hand or rifle</i>	1.4G	UN0452	II	1.4G ..			62	None	Forbidden	75 kg	02	25
	<i>Grenades, smoke, see Ammunition, smoke, etc.</i>												
	<i>Guanidine nitrate</i>	5.1	UN1467	III	5.1	A1, IB8, IP3, T1, TP33	152	213 ...	240 ...	25 kg	100 kg	A	73
	<i>Guanyl nitrosaminoquanylidene hydrazine (dry).</i>	Forbidden											
	<i>Guanyl nitrosaminoquanylidene hydrazine, wetted with not less than 30 percent water, by mass.</i>	1.1A	UN0113	II	1.1A ...	111, 117	None ...	62	None	Forbidden	Forbidden	05	25
	<i>Guanyl nitrosaminoquanyltetrazene (dry).</i>	Forbidden											
	<i>Guanyl nitrosaminoquanyltetrazene, wetted or tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass.</i>	1.1A	UN0114	II	1.1A ...	111, 117	None ...	62	None	Forbidden	Forbidden	05	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation 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)	
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Hexafluoroacetone hydrate, solid	6.1	UN3496	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		2.2		306	304	314, 315	75 kg	150 kg	A		
	Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A		
	Hexafluoropropylene compressed or Refrigerant gas R 1216.	2.2	UN1858		2.2	T50	306	304	314, 315	75 kg	150 kg	A		
	Hexaldehyde	3	UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Hexamethylene diisocyanate	6.1	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	13, 40	
	Hexamethylene triperoxide diamine (dry).	Forbidden												
	Hexamethylenediamine, solid	8	UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12	
	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).	Forbidden			3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
	Hexanitroazoxy benzene	Forbidden												
	N,N'-(hexanitrodiphenyl) ethylene dimitramine (dry).	Forbidden												
	Hexanitrodiphenyl urea	Forbidden												
	2,2',3',4',4',6'-Hexanitrodiphenylamine or Dipicylamine or Hexyl.	Forbidden			1.1D		None	62	None	Forbidden	Forbidden	04	25	
	2,3',4,4',6,6'-Hexanitrodiphenyl ether	Forbidden												
	Hexanitroethane	Forbidden												
	Hexanitrooxanilide	Forbidden												
	Hexanitrostilbene	1.1D	UN0392	II	1.1D		None	62	None	Forbidden	Forbidden	04	25	
	Hexanoic acid, see Corrosive liquids, n.o.s.													
	Hexanols	3	UN2282	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	74	
	1-Hexene	3	UN2370	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		

§ 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>Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous.</i>	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	
	<i>Hydrobromic acid, with more than 49 percent hydrobromic acid.</i>	8	UN1788	III	8	IB3, T4, TP1	154	203	241	Forbidden	Forbidden	C	8
	<i>Hydrobromic acid, with not more than 49 percent hydrobromic acid.</i>	8	UN1788	II	8	A3, A6, B2, B15, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
	<i>Hydrocarbon gas mixture, com-pressed, n.o.s.</i>	2.1	UN1964	III	8	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	8
	<i>Hydrocarbon gas mixture, liquefied, n.o.s.</i>	2.1	UN1965	2.1	2.1	T50	306	302	314, 315	Forbidden	150 kg	E	40
	<i>Hydrocarbons, liquid, n.o.s.</i>	3	UN3295	I	3	144, T11, TP1, TP8, TP28	306	304	314, 315	Forbidden	150 kg	E	40
				II	3	144, IB2, T7, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
				III	3	144, B1, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	<i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous.</i>	8	UN1789	II	8	A3, A6, B3, B15, IB2, N41, T8, TP2	154	202	242	1 L	30 L	C	
	<i>Hydrochloric acid</i>	8	UN1789	III	8	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	8
	<i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.</i>	6.1	UN1613	I	6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40
	<i>Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous so-lutions with not more than 20 per-cent hydrogen cyanide.</i>	6.1	UN1613	II	6.1	IB1, T14, TP2, TP13, TP27	None	195	243	Forbidden	5 L	D	40
	<i>Hydrocyanic acid, liquefied, see Hy-drogen cyanide, etc.</i>	Forbidden											
	<i>Hydrocyanic acid (prussic), unstabilized.</i>	Forbidden											
	<i>Hydrofluoric acid and Sulfuric acid mixtures.</i>	8	UN1786	I	8, 6.1	A6, A7, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	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) Identifi-cation 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)													
	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid.	5.1	UN3149	III	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	25, 40, 52.
	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	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24	None ...	202	243	1 L	5 L	D	25, 66, 75.
	Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 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 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary).	5.1	UN2984	III	5.1	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None ...	202	243	1 L	5 L	D	25, 66, 75.
	Hydrogen peroxide, stabilized or hydrogen peroxide, aqueous solutions, stabilized with more than 60 percent hydrogen peroxide (cryogenic liquid).	2.1	UN1966	2.1	2.1	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	152	203	241	2.5 L	30 L	B	25, 66, 75
	Hydrogen selenide, anhydrous	2.3	UN2202	I	5.1, 8	12, B53, B80, B81, B85, T9, TP2, TP6, TP24, TP37	None ...	201	243	Forbidden	Forbidden	D	25, 66, 75.
	Hydrogen sulfate, see Sulfuric acid.												
	Hydrogen sulfide	2.3	UN1053	2.3, 2.1.	2.3, 2.1.	1	None ...	192	245	Forbidden	Forbidden	D	40
	Hydrofluoric acid, see Fluorosilicic acid.												
	1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0508	.....	1.3C ..	.....	None ...	62	None	Forbidden	Forbidden	04	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Iodine monochloride, solid	8	UN1792	II	8	B6, IB8, IP2, IP4, N41, T7, TP2	None ...	212 ...	240 ...	50 kg	Forbidden	D	40, 66, 74, 25, 40, 52, 66, 90
	Iodine pentafluoride	5.1	UN2495	I	5.1, 6.1, 8		None ...	205 ...	243 ...	Forbidden	Forbidden	D	
	2-Iodobutane	3	UN2390	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	
	Iodomethylpropanes	3	UN2391	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	
	Iodopropanes	3	UN2392	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	Iodoxy compounds (dry)	Forbidden											
	Iridium nitratopentamine iridium ni-frate	Forbidden											
	Iron chloride, see Ferric chloride.												
	Iron oxide, spent, or iron sponge, spent obtained from coal gas puri-fication	4.2	UN1376	III	4.2	B18, IB8, IP3, T1, TP33	None ...	213 ...	240 ...	Forbidden	Forbidden	E	
	Iron pentacarbonyl	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B77, T22, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
	Iron sesquichloride, see Ferric chlo-ride.												
	Irritating material, see Tear gas sub-stances, etc.												
	Isobutane see also Petroleum gases, liquefied.	2.1	UN1969		2.1	19, T50	306	304 ...	314, 315	Forbidden	150 kg	E	40
	Isobutanol or isobutyl alcohol	3	UN1212	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	Isobutyl acetate	3	UN1213	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	
	Isobutyl acrylate, stabilized	3	UN2527	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	Isobutyl alcohol, see Isobutanol.												
	Isobutyl aldehyde, see Isobutyraldehyde.												
	Isobutyraldehyde	3	UN2393	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B	
	Isobutyl formate	3	UN2528	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	Isobutyl isobutyrate	6.1	UN2486	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP27	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
	Isobutyl isocyanate												
	Isobutyl methacrylate, stabilized	3	UN2283	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
	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

+

UN number	Proper shipping name	Class	Subclass	Label	Quantity	Special provisions	Forbidden	Weight	Code
2.1 UN1055	Isobutylene <i>see also</i> Petroleum gases, liquefied.	2.1	.....	19, T50	306	.....	314, 315	150 kg	E
3 UN2045	Isobutylaldehyde or isobutyl aldehyde.	III	3	IB2, T4, TP1	150	.....	242	60 L	E
3 UN2529	Isobutyric acid	III	3, 8	B1, IB3, T4, TP1	150	.....	242	60 L	A
3 UN2284	Isobutyronitrile	II	3, 6.1	IB2, T7, TP2, TP13	150	.....	243	60 L	E
3 UN2395	Isobutyl chloride	II	3, 8	IB1, T7, TP2	150	.....	243	5 L	C
3 UN2478	Isocyanates, flammable, toxic, n.o.s. or isocyanate solutions, flammable, toxic, n.o.s. flash point less than 23 degrees C.	II	3, 6.1	5, A3, A7, IB2, T11, TP2, TP13, TP27	150	.....	243	60 L	D
6.1 UN3080	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.	III	3, 6.1	5, A3, A7, IB3, T7, TP1, TP13, TP28	150	.....	242	220 L	A
6.1 UN2206	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.	II	6.1	IB2, T11, TP2, TP13, TP27	153	.....	243	60 L	E
6.1 UN2285	Isocyanatobenzotrifluorides	III	6.1	IB3, T7, TP1, TP13, TP28	153	.....	241	220 L	E
3 UN2287	Isopentenes	II	6.1, 3	5, IB2, T7, TP2	153	.....	243	60 L	D
3 UN2288	Isopentenes, <i>see</i> Octanes.	II	3	IB2, T4, TP1	150	.....	242	60 L	B
3 UN1216	Isopentane, <i>see</i> Pentane.	II	3	IB2, IP8, T11, TP1	150	.....	242	60 L	E
3 UN2371	Isopentane, <i>see</i> Corrosive liquids, n.o.s.	II	3	IB2, T4, TP1	150	.....	242	60 L	B
6.1 UN2290	Isopentenes	I	3	T11, TP2	150	.....	243	90 L	E
8 UN2289	Isophorone dicyanate	III	6.1	IB3, T4, TP2	153	.....	241	220 L	B
3 UN1218	Isoprene, stabilized	III	8	IB3, T4, TP1	154	.....	241	60 L	A
3 UN1219	Isopropanol or isopropyl alcohol	I	3	T11, TP2	150	.....	243	30 L	E
3 UN2403	Isopropenyl acetate	II	3	IB2, T4, TP1	4b, 150	.....	242	60 L	B
3 UN2303	Isopropenylbenzene	III	3	IB2, T4, TP1	150	.....	242	60 L	B
3 UN1220	Isopropyl acetate	III	3	B1, IB3, T2, TP1	150	.....	242	220 L	A
8 UN1793	Isopropyl acid phosphate	III	8	IB2, T4, TP1	154	.....	240	60 L	B
3 UN2405	Isopropyl alcohol, <i>see</i> Isopropanol.	III	3	B1, IB3, T2, TP1	150	.....	242	220 L	A
3 UN2947	Isopropyl butyrate	III	3	B1, IB3, T2, TP1	150	.....	242	220 L	A
6.1 UN2407	Isopropyl chloroacetate	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP44	None	.....	244	Forbidden	B
3 UN2934	Isopropyl 2-chloropropionate	III	3	B1, IB3, T2, TP1	150	.....	242	220 L	A

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
+	Isopropyl isobutyrate	3 6.1	UN2406 UN2483	II I	3	IB2, T4, TP1 1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	150	202	242	5 L Forbidden	60 L Forbidden	B D	40
	Isopropyl isocyanate												
	Isopropyl mercaptan, see Propanethiols.	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	D	
	Isopropyl nitrate	3	UN2409	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropyl phosphoric acid, see Isopropyl acid phosphate.	3	UN1221	I	3, 8	T11, TP2	None	201	243	0.5 L	2.5 L	E	
	Isopropylamine	3	UN1918	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropylbenzene	Forbidden											
	Isopropylcumyl hydroperoxide, with more than 72 percent in solution.	4.1	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	Forbidden											
	Jet fuel, see Fuel aviation, turbine engine.												
D	Jet perforating guns, charged oil well, with detonator.	1.1D	NA0124	II	1.1D ..	55, 56	None ..	62	None	Forbidden	Forbidden	04	25
D	Jet perforating guns, charged oil well, with detonator.	1.4D	NA0494	II	1.4D ..	55, 56	None ..	62	None	Forbidden	Forbidden	02	25
	Jet perforating guns, charged, oil well, without detonator.	1.4D	UN0494	II	1.4D ..	55, 114	None ..	62	None	Forbidden	300 kg	02	25
	Jet perforating guns, charged oil well, without detonator.	1.1D	UN0124	II	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	
			II	3	IB2, T7, TP1, TP6, TP28	150	202	242	5 L	60 L	B	
			III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Krill meal	4.2	UN3497	II	4.2	155, IB6, IP2, T3, TP33	None	212	242	No limit	No limit	B	25, 88, 128
			III	4.2	155, IB8, IP3, T1, TP33	None	213	242	No limit	No limit	A	128
	Krypton, compressed	2.2	UN1056	2.2	306, 307.	302	None	75 kg	150 kg	No limit	No limit	A	
	Krypton, refrigerated liquid (cryogenic liquid), 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).	2.2	UN1970	2.2	2.2	T75, TP5	320	None	None	50 kg	500 kg	D	
	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								Forbidden	Forbidden	05	25
	Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass.	1.1A	UN0129	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	
	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	
Lead dioxide	5.1	UN1872	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	52	
Lead dross, see Lead sulfate, with more than 3 percent free acid.													
Lead nitrate	5.1	UN1469	II	5.1, 6.1.	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A		
Lead nitrosocyanate (dry)	Forbidden												
Lead perchlorate, solid	5.1	UN1470	II	5.1,	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
.....													
Lead perchlorate, solution	5.1	UN3408	II	5.1, 6.1, 6.1.	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58	
.....													
.....													
.....													
Lead peroxide, see Lead dioxide.													
Lead phosphite, dibasic	4.1	UN2989	II	4.1	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	B	34,	
.....												34.	
Lead picrate (dry)	Forbidden												
Lead styphnate (dry)	Forbidden												
Lead styphnate, wetted or Lead trinitrosocyanate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass.	1.1A	UN0130	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage			
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
(1)	Lead sulfate with more than 3 percent free acid. Lead trinitroresorcinate, see Lead styphnate, etc. Life-saving appliances, not self-inflating containing dangerous goods as equipment. Life-saving appliances, self-inflating .. Lighters containing flammable gas ... Lighters, new or empty, purged of all residual fuel and vapors. Lighters, non-pressurized, containing flammable liquid. Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams of flammable gas. Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc. Lighters, fuse .. Lime, unslaked, see Calcium oxide. Liquefied gas, flammable, n.o.s.	8 9 9 2.1	UN1794 UN3072 UN2990 UN1057	II None None	8	IB8, IP2, IP4, T3, TP33	154	None ... 219 ... None ... 21,308 21,308	212 ... None None 219 ... 21,308 168 168	240 ... None None None None None	15 kg No limit No limit 1 kg Forbidden 1 kg	50 kg No limit No limit 15 kg Forbidden 15 kg	A A A B B B	Other (10B)	40 40 40 40 40 40 40
G	Lime, unslaked, see Calcium oxide. Liquefied gas, flammable, n.o.s.	1.4S 2.1	UN0131 UN3161	II 2.1	1.4S ... 2.1 .....	..... T50	None ... 306	62	None 304 ... 314, 315.	None 314, 314, 315. 315.	25 kg Forbidden 150 kg 150 kg 150 kg	100 kg 150 kg 150 kg 150 kg	01 D D A		25 40
G	Liquefied gas, n.o.s.	2.2	UN3163	2.2	2.2	T50	306	304 ...	314, 314, 315.	315. 314, 315.	75 kg 75 kg 75 kg	150 kg 150 kg 150 kg	A D D		40
G	Liquefied gas, oxidizing, n.o.s.	2.2	UN3157	2.2	2.2, 5.1.	A14	306	304 ...	314, 315.	315. 245 ...	75 kg Forbidden	150 kg Forbidden	D D		40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3308	2.3	2.3, 8	1	None ...	192 ...	314, 315.	314, 315.	Forbidden	Forbidden	D D		40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3308	2.3	2.3, 8	2, B9, B14	None ...	304 ...	314, 315.	314, 315.	Forbidden	Forbidden	D D		40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3308	2.3	2.3, 8	3, B14	None ...	304 ...	314, 315.	314, 315.	Forbidden	Forbidden	D D		40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D.	2.3	UN3308	2.3	2.3, 8	4	None ...	304 ...	314, 315.	314, 315.	Forbidden	Forbidden	D D		40

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

§ 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)
	Liquefied gases, non-flammable charged with nitrogen, carbon dioxide or air. 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.	2.2	UN1058		2.2		306	304	None	75 kg	150 kg	A	
	Lithium acetylide ethylenediamine complex, see Water reactive solid etc.	4.3	UN1415	I	4.3	A7, A19, IB4, IP1, N45	None	211	244	Forbidden	15 kg	E	52
	Lithium aluminum hydride	4.3	UN1410	I	4.3	A19	None	211	242	Forbidden	15 kg	E	52
	Lithium aluminum hydride, ethereal	4.3	UN1411	I	4.3, 3	A2, A3, A11, N34	None	201	244	Forbidden	1 L	D	40
	Lithium batteries, contained in equipment.	9	UN3091	II	9	29, 188, 189, 190, 360, A54, A55, A101, A104	185	185	None	See A101, A104	35 kg	A	
	Lithium batteries packed with equipment.	9	UN3091	II	9	29, 188, 189, 190, A54, A55, A101, A103	185	185	None	See A101, A103	35 kg	A	
	Lithium battery	9	UN3090	II	9	29, 188, 189, 190, A51, A54, A55, A100	185	185	None	See A100	35 kg	A	
	Lithium borohydride	4.3	UN1413	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
	Lithium ferrosilicon	4.3	UN2830	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	40, 85, 103
	Lithium hydride	4.3	UN1414	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
	Lithium hydride, fused solid	4.3	UN2805	II	4.3	A8, A19, A20, IB4, T3, TP33	151	212	241	15 kg	50 kg	E	52
	Lithium hydroxide	8	UN2680	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	Lithium hydroxide, solution	8	UN2679	III	8	B2, IB2, T7, TP2, IB3, T4, TP2	154	202	242	1 L	30 L	A	29, 52
	Lithium hypochlorite, dry or Lithium hypochlorite mixture.	5.1	UN1471	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	4, 25, 52, 56, 58, 69, 106, 116

§ 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)
	Magnesium silicide	4.3	UN2624	II	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	B	85, 103
	<i>Magnetized material, see § 173.21.</i>												
	Maleic anhydride	8	UN2215	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Maleic anhydride, molten	8	UN2215	III	8	T4, TP3	None	213	240	Forbidden	Forbidden	A	
	Malononitrile	6.1	UN2647	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12
	<i>Mancozeb (manganese ethylenebisdithiocarbamate complex with zinc) see Maneb.</i>												
	Maneb or Maneb preparations with not less than 60 percent maneb, Maneb stabilized or Maneb preparations, stabilized against self-heating.	4.2	UN2210	III	4.2, 4.3	57, A1, A19, IB6, T1, TP33	None	213	242	25 kg	100 kg	A	34
	Manganese nitrate	5.1	UN2724	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Manganese resinates	4.1	UN1330	III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	
	Mannitol hexanitrate	Forbidden											
	Mannitol hexanitrate (dry)	Forbidden											
	Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass.	1.1D	UN0133	II	1.1D ..	121	None ..	62	None	Forbidden	Forbidden	04	25
	<i>Marine pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s.</i>												
	Matches, block, see Matches, strike anywhere.												
	Matches, fusee	4.1	UN2254	III	4.1		186	186	None	Forbidden	Forbidden	A	
	Matches, safety (book, card or strike or box)	4.1	UN1944	III	4.1		186	186	None	25 kg	100 kg	A	
	Matches, strike anywhere	4.1	UN1331	III	4.1		186	186	None	Forbidden	Forbidden	B	
	Matches, wax, Vesta	4.1	UN1945	III	4.1		186	186	None	25 kg	100 kg	B	
	Matting acid, see Sulfuric acid.												
	Medicine, liquid, flammable, toxic, n.o.s.	3	UN3248	II	3, 6.1	IB2	150	202	243	1 L	60 L	B	40
	Medicine, liquid, toxic, n.o.s.	6.1	UN1851	III	3, 6.1	IB3	150	203	242	60 L	220 L	A	40
				II	6.1		153	202	243	5 L	60 L	C	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(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	Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3011	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40																																																																								
														II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	5 L	60 L	B	40																																																															
																							III	6.1, 3	IB3, T7, TP2, TP28	153	203	60 L	220 L	A	40																																																						
																																I	6.1	IB7, IP1, T6, TP33	None	211	5 kg	50 kg	A	40																																													
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III	6.1	IB3	153	203	60 L	220 L	B	40																																																																													
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																																																																																	II	6.1	IB8, IP2, IP4, T3, TP33	153	212
II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	52, 91																																																																													
									II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	52, 91																																																																				
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																																																															II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100																

G	6.1 3 6.1	UN1646 UN1229 UN3281	Mercury thiocyanate Mesityl oxide Metal carbonyls, liquid, n.o.s.	II III I	6.1 3 6.1	IB8, IP2, IP4, T3, TP33 B1, IB3, T2, TP1 5, T14, TP2, TP13, TP27	153 150 None	212 203 201	242 242 243	25 kg 60 L 1 L	100 kg 220 L 30 L	A A B	40
G	6.1	UN3466	Metal carbonyls, solid, n.o.s.	I	6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 153 None 153 153	202 203 211 212 213	243 241 242 240 240	5 L 60 L 5 kg 25 kg 100 kg 200 kg	60 L 220 L 50 kg 100 kg 200 kg	B D A D B	40 40 40 40 40
G	4.2	UN2881	Metal catalyst, dry	I	4.2	N34, T21, TP7, TP33 IB6, IP2, N34, T3, TP33 IB8, IP3, N34, T1, TP33 A2, A8, IB1, N34, T3, TP33	None None None None	187 187 187 212	None 242 241 None	Forbidden Forbidden 25 kg Forbidden	Forbidden 50 kg 100 kg 50 kg	C C C C	
G	4.2 4.1 4.3 4.3	UN1378 UN3182 UN1409	Metal catalyst, wetted with a visible excess of liquid. Metal hydrides, flammable, n.o.s. Metal hydrides, water reactive, n.o.s.	III III I II	4.2 4.1 4.3 4.3	A1, IB4, T3, TP33 A1, IB4, T1, TP33 A19, N34, N40 A19, IB4, N34, N40, T3, TP33	151 151 None 151	212 213 211 212	240 240 242 242	15 kg 25 kg Forbidden 15 kg	50 kg 100 kg 15 kg 50 kg	E E D D	52 52
G	4.2 4.1 4.1	UN3189 UN3089	Metal powder, self-heating, n.o.s. Metal powders, flammable, n.o.s.	III II	4.2 4.1 4.1	IB6, IP2, T3, TP33 IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33 IB6, T1, TP33	None None 151 151	212 213 212 213	241 241 240 240	15 kg 25 kg 15 kg 25 kg	50 kg 100 kg 50 kg 100 kg	C C B B	40
G	4.1 4.3	UN3181 UN1332 UN3208	Metal salts of methyl nitramine (dry) Metal salts of organic compounds, flammable, n.o.s. Metaldehyde Metallic substance, water-reactive, n.o.s.	II III I	4.1 4.1 4.3	A1, IB8, IP2, IP4, T3, TP33 A1, IB8, IP3, T1, TP33 A1, IB8, IP3, T1, TP33 A7, IB4	151 151 151 None	212 213 213 211	240 240 240 242	15 kg 25 kg 25 kg Forbidden	50 kg 100 kg 100 kg 15 kg	B B A E	40 40 40
G	4.3	UN3209	Metallic substance, water-reactive, self-heating, n.o.s.	II	4.3	A7, IB7, IP2, T3, TP33 A7, IB8, IP4, T1, TP33 A7	151 151 None	212 213 211	242 241 242	15 kg 25 kg Forbidden	50 kg 100 kg 15 kg	E E E	40 40 40
G	3 8	UN2396 UN2531	Methacryaldehyde, stabilized Methacrylic acid, stabilized	III II	3 6.1 8	A7, IB5, IP2, T3, TP33 A7, IB8, IP4, T1, TP33 45, IB2, T7, TP1, TP13 41, IB2, T7, TP1, TP18, TP30	None None 150 154	212 213 202 202	242 242 243 242	15 kg 25 kg 1 L 1 L	50 kg 100 kg 60 L 30 L	E E E C	40 40
+	6.1 3	UN3079 UN2614	Methacrylonitrile, stabilized Methallyl alcohol Methane and hydrogen mixtures, see Hydrogen and methane, mixtures, etc.	I III	6.1, 3 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45 B1, IB3, T2, TP1	None 150	227 203	244 242	Forbidden 60 L	Forbidden 220 L	D A	12, 25, 40
	2.1	UN1971	Methane, compressed or Natural gas, compressed (with high methane content)	III	2.1		306	302	302	Forbidden	150 kg	E	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Methane, refrigerated liquid (<i>cryogenic liquid</i>) or Natural gas, refrigerated liquid (<i>cryogenic liquid</i>), with high methane content.	2.1	UN1972		2.1	T75, TP5	None	None	318	Forbidden	Forbidden	D	40
	Methanesulfonyl chloride	6.1	UN3246	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
+I	Methanol	3	UN1230	II	3, 6.1	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
D	Methanol	3	UN1230	II	3	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
	Methanoic acid	Forbidden											
	4-Methoxy-4-methylpentan-2-one	3	UN2293	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	1-Methoxy-2-propanol	3	UN3092	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
+	Methoxymethyl isocyanate	6.1	UN2605	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Methyl acetate	3	UN1231	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Methyl acetylene and propadiene mixtures, stabilized.	2.1	UN1060		2.1	N88, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Methyl acrylate, stabilized	3	UN1919	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	B	40
	Methyl alcohol, see Methanol.												
	Methyl allyl chloride	3	UN2554	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	40
	Methyl amyl ketone, see Amyl methyl ketone.												
	Methyl bromide	2.3	UN1062		2.3	3, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	40
	Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures.												
	Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide, chloropicrin, and ethylene dibromide mixtures, liquid.	6.1	UN1647	I	6.1	2, B9, B14, B32, N65, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
	Methyl bromoacetate	6.1	UN2643	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	2-Methylbutanal	3	UN3371	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Methyl-1-butene	3	UN2459	I	3	T11, TP2	None	201	243	1 L	30 L	E	40
	2-Methyl-2-butene	3	UN2460	II	3	IB2, IP8, T7, TP1	None	202	242	5 L	60 L	E	40
	3-Methyl-1-butene	3	UN2561	I	3	T11, TP2	None	201	243	1 L	30 L	E	40

Methyl tert-butyl ether	3 UN2398	II 3	IB2, T7, TP1	150	202	242	5 L	E	40
Methyl butyrate	3 UN1237	II 3	IB2, T4, TP1	150	202	242	5 L	B	
Methyl chloride or Refrigerant gas R 40.	2.1 UN1063	2.1	N86, T50	306	304	314, 315	5 kg	D	
<i>Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures.</i>									
Methyl chloride and methylene chloride mixtures.	2.1 UN1912	2.1	N86, T50	306	304	314, 315	Forbidden	D	40
Methyl chloroacetate	6.1 UN2295	I 6.1, 3	T14, TP2, TP13	None	201	243	1 L	D	
<i>Methyl chloroacetate, see Methyl chloroformate.</i>									
<i>Methyl chloroform, see 1,1,1-Trichloroethane.</i>									
Methyl chloroformate	6.1 UN1238	I 6.1, 3, 8	1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D	21, 40, 100
Methyl chloromethyl ether	6.1 UN1239	I 6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D	40
Methyl 2-chloropropionate	3 UN2933	III 3	B1, IB3, T2, TP1	150	203	242	60 L	A	
Methyl dichloroacetate	6.1 UN2299	III 6.1	IB3, T4, TP1	153	203	241	60 L	A	
<i>Methyl ethyl ether, see Ethyl methyl ether.</i>									
Methyl ethyl ketone, <i>see Ethyl methyl ketone.</i>									
<i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>	Forbidden								
2-Methyl-5-ethylpyridine	6.1 UN2300	III 6.1	IB3, T4, TP1	153	203	241	60 L	A	40
Methyl fluoride, or Refrigerant gas R 41.	2.1 UN2454	2.1		306	304	314, 315	Forbidden	E	
Methyl formate	3 UN1243	I 3	T11, TP2	150	201	243	1 L	E	
2-Methyl-2-heptanethiol	6.1 UN3023	I 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40, 102
Methyl iodide	6.1 UN2644	I 6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	12, 40
Methyl isobutyl carbinol	3 UN2053	III 3	B1, IB3, T2, TP1	150	203	242	60 L	A	
Methyl isobutyl ketone	3 UN1245	II 3	IB2, T4, TP1	150	202	242	5 L	B	
<i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>	Forbidden								
Methyl isocyanate	6.1 UN2480	I 6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D	40, 52
Methyl isopropenyl ketone, stabilized	3 UN1246	II 3	IB2, T4, TP1	150	202	242	5 L	B	
Methyl isothiocyanate	6.1 UN2477	I 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
Methyl isovalerate	3 UN2400	II 3	IB2, T4, TP1	150	202	242	5 L	B	
Methyl magnesium bromide, in ethyl ether.	4.3 UN1928	I 4.3, 3		None	201	243	Forbidden	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Methyl mercaptan	2.3	UN1064		2.3, 2.1	3, B7, B9, B14, N89, T50	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
	<i>Methyl mercaptopropionaldehyde, see 4-Thiapentanal.</i>												
	Methyl methacrylate monomer, stabilized.	3	UN1247	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Methyl nitramine (dry)</i>	Forbidden											
	<i>Methyl nitrate</i>	Forbidden											
	<i>Methyl nitrite</i>	Forbidden											
	<i>Methyl norbornene dicarboxylic anhy-dride, see Corrosive liquids, n.o.s.</i>	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 orthosilicate	6.1	NA9206	I	6.1, 8	2, B9, B14, B32, N34, N43, T20, TP4, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	C	
	Methyl phosphonic dichloride												
D	<i>Methyl phosphonic dichloride, anhydrous, see Corrosive liquid, n.o.s.</i>	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, T20, TP4, TP12, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	D	18
	<i>Methyl picric acid (heavy metal salts of).</i>	Forbidden											
	Methyl propionate	3	UN1248	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyl propyl ether	3	UN2612	II	3	IB2, PB, T7, TP2	150	202	242	5 L	60 L	E	40
	Methyl propyl ketone	3	UN1249	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Methyl sulfate, see Dimethyl sulfate.</i>												
	<i>Methyl sulfide, see Dimethyl sulfide.</i>												
	Methyl trichloroacetate	6.1	UN2533	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>Methyl trimethylol methane trinitrate</i>	Forbidden											
	Methyl vinyl ketone, stabilized	6.1	UN1251	I	6.1, 3, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None ...	226	244	Forbidden	Forbidden	B	40
	Methyl	3	UN1234	II	3	IB2, PB, T7, TP2	None	202	242	5 L	60 L	E	40
	Methylamine, anhydrous	2.1	UN1061	II	2.1	N87, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Methylamine, aqueous solution	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)	
	Mines with bursting charge Mixed acid, see Nitrating acid, mix-tures etc. Mobility aids, see Battery powered equipment or Battery powered ve-hicle. Model rocket motor Model rocket motor Molybdenum pentachloride Monochloroacetone (unstabilized) Monochloroethylene, see Vinyl chlo-ride, stabilized. Monoethanolamine, see Ethanol-amine, solutions. Monoethylamine, see Ethylamine. Morpholine Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s. Motor fuel anti-knock compounds see Motor fuel anti-knock mixtures. Motor fuel anti-knock mixture, flam-mable. Motor fuel anti-knock mixtures	1.2F 1.4C 1.4S 8 Forbidden	UN0294 NA0276 NA0323 UN2508	II II III	1.2F 1.4C 1.4S 8 51 51 IB8, IP3, T1, TP33 62 62 154 213 62 62 213 None None 25 kg 25 kg None None 75 kg 100 kg 100 kg None None 240 None None 240 05 06 05 C 25
	Motor fuel anti-knock mixtures Motor fuel anti-knock mixtures Motor spirit, see Gasoline. Muratic acid, see Hydrochloric acid. Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene. Naphtha see Petroleum distillates n.o.s. Naphthalene, crude or Naphthalene, refined. Naphthalene diazonide beta-Naphthylamine, solid beta-Naphthylamine solution alpha-Naphthylamine Naphthalene, molten	6.1 6.1 4.1 Forbidden 6.1 6.1 4.1	UN3483 UN1649 UN1334 UN1650 UN3411 UN2077 UN2304	I I III II III III III	6.1, 3 6.1 4.1 6.1 6.1 6.1 4.1	..... A6, T10, TP2 14, T14, TP2, TP13 14, B9, B90, T14, TP2, TP13 A1, B120, IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33 IB2, T7, TP2 IB2, T7, TP2 IB8, IP3, T1, TP33 IB1, T1, TP3	..... None None 201 None None 201 151	..... 201 201 243 201 201 213 213	..... 0.5 L Forbidden Forbidden Forbidden 25 kg 25 kg 5 L 60 L 220 L 100 kg Forbidden	..... 2.5 L Forbidden Forbidden 30 L 100 kg 100 kg 60 L 220 L 200 kg Forbidden	..... A D D A A A A C	..... A D D A A A C	..... 25, 40 25, 40

Naphthylamineperchlorate	Forbiddén	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	
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	Forbiddén	Forbiddén	D	40, 78
Nickel cyanide	6.1	UN1653	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
Nickel nitrate	5.1	UN2725	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Nickel nitrite	5.1	UN2726	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Nickel picrate	Forbiddén											
Nicotine	6.1	UN1654	II	6.1	IB2	153	202	243	5 L	60 L	A	
Nicotine compounds, liquid, n.o.s. or	6.1	UN3144	I	6.1	A4	None	201	243	1 L	30 L	B	40
Nicotine preparations, liquid, n.o.s.												
Nicotine compounds, solid, n.o.s. or	6.1	UN1655	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
Nicotine preparations, solid, n.o.s.			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	6.1	UN1655	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine preparations, solid, n.o.s.			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 hydrochloride liquid or solution.	6.1	UN1656	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
			II	6.1	IB2	153	202	243	5 L	60 L	A	
			III	6.1	IB3	153	203	241	60 L	220 L	A	
Nicotine hydrochloride, solid	6.1	UN3444	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nicotine sulfate solution	6.1	UN1658	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)	Forbiddén											
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
			III	5.1	58, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
Nitrates, inorganic, n.o.s.	5.1	UN1477	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
Nitrates of diazonium compounds	Forbiddén		III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	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	A6, 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	A6, B2, B47, B53, IB2, IP15, T8, TP2	None ...	158 ...	242 ...	Forbidden	30 L	D	44, 66, 74, 89, 90
	Nitric acid, red fuming	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40, 66, 74, 89, 90
	Nitric acid other than red fuming, with more than 70 percent nitric acid.	8	UN2031	I	8, 5.1	A3, B47, B53, T10, TP2, TP12, TP13	None ...	158 ...	243 ...	Forbidden	2.5 L	D	44, 66, 88, 90, 110, 111
	Nitric oxide, compressed	2.3	UN1660	2.3, 5.1, 8	2.3, 5.1, 8	1, B77	None ...	337 ...	None	Forbidden	Forbidden	D	40, 89, 90
	Nitric oxide and dinitrogen tetroxide mixtures Nitric oxide and nitrogen dioxide mixtures.	2.3	UN1975	2.3, 5.1, 8	2.3, 5.1, 8	1, B77	None ...	337 ...	None	Forbidden	Forbidden	D	40, 89, 90
G	Nitrites, flammable, toxic, n.o.s.	3	UN3273	I, II	3, 6.1, 3, 6.1	T14, TP2, TP13, TP27, IB2, T11, TP2, TP13, TP27	None ...	201 ...	243 ...	Forbidden	30 L	E	40, 52
							150	202	243	1 L	60 L	B	40, 52
G	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	II	5.1	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

UN	Class	Proper shipping name	Substance	PG	Label	Quantity	Special provisions	Other	Quantity	Special provisions	Other	
UN2627	5.1	Nitrites, inorganic, n.o.s.	.....	II	5.1	33, IB8, IP2, IP4, T3, TP33	152	212	None	5 kg	25 kg A	46, 56, 58, 13, 52
UN3276	6.1	Nitrites, liquid, toxic, n.o.s.	.....	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L B	52
UN3439	6.1	Nitrites, solid, toxic, n.o.s.	.....	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L B	52
UN3275	6.1	Nitrites, toxic, flammable, n.o.s.	.....	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L A	52
UN2307	6.1	3-Nitro-4-chlorobenzotrifluoride	.....	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	100 kg B	52
UN2307	6.1	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	.....	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	25 kg	100 kg A	52
UN0147	1.1D	Nitro urea	.....	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L B	40, 52
UN1661	6.1	Nitroanilines (o-, m-, p-)	.....	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L B	40, 52
UN2730	6.1	Nitroanisole, liquid	.....	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L A	40
UN3458	6.1	Nitroanisoles, solid	.....	II	6.1	.....	None	62	None	Forbidden	Forbidden 04	25
UN1662	6.1	m-Nitrobenzene diazonium perchlorate	.....	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg A	40
UN2305	8	Nitrobenzenesulfonic acid	.....	II	8	IB3, T4, TP1	153	203	241	60 L	220 L A	40
UN0385	1.1D	Nitrobenzol, see Nitrobenzene	.....	II	1.1D	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg A	40
UN2306	6.1	Nitrobenzotrifluorides, liquid	.....	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L A	40
UN3431	6.1	Nitrobenzotrifluorides, solid	.....	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg A	40
UN2792	6.1	Nitrobenzenes, liquid	.....	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L A	40
UN3459	6.1	Nitrobenzenes, solid	.....	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg A	25, 27E
UN0340	1.1D	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass	.....	II	1.1D	.....	None	62	None	Forbidden	Forbidden 04	25, 27E
UN2557	4.1	Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass mixture with or without plasticizer, with or without pigment	.....	II	4.1	44	151	212	240	1 kg	15 kg D	28, 36
UN3270	4.1	Nitrocellulose membrane filters, with not more than 12.6% nitrogen, by dry mass	.....	II	4.1	43, A1	151	212	240	1 kg	15 kg D	25
UN0343	1.3C	Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	.....	II	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)
	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	3	198, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Nitrocellulose, wetted with not less than 25 percent alcohol, by mass.	1.3C	UN0342	III	3	198, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	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	1.1D		None	62	None	Forbidden	Forbidden	04	25, 27E
	Nitrocellulose with water with not less than 25 percent water by mass.	4.1	UN2555	II	1.3C		None	62	None	Forbidden	Forbidden	04	25
	Nitrochlorobenzene, see Chloronitrobenzenes etc.				4.1	151	212	None	1 kg	15 kg	D	28, 36	
	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, JP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitroethane	3	UN2842	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Nitroethyl nitrate	Forbidden											
	Nitroethylene polymer	Forbidden											
	Nitrogen, compressed	2.2	UN1066		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
	Nitrogen dioxide, see Dinitrogen tetroxide.												
	Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc.												
	Nitrogen peroxide, see Dinitrogen tetroxide.												
	Nitrogen, refrigerated liquid cryogenic liquid.	2.2	UN1977		2.2	345, 346, T75, TP5	320	316	318	50 kg	500 kg	D	
	Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures.												

§ 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>Nitromuriatic acid, see Nitrohydrochloric acid.</i>												
	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>	Forbidden											
	<i>4-Nitrophenylhydrazine, with not less than 30 percent water, by mass.</i>	4.1	UN3376	I	4.1	162, A8, A19, A20, N41	None	211	None	Forbidden	15 kg	E	28, 36
	Nitropropanes	3	UN2608	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<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	34
	Nitrostarch, dry or wetted with less than 20 percent water, by mass.	1.1D	UN0146	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
	Nitrostarch, wetted with not less than 20 percent water, by mass.	4.1	UN1337	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	D	28, 36
	<i>Nitrosugars (dry)</i>	Forbidden											
	Nitrosyl chloride	2.3	UN1069	II	2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitrosylsulfuric acid, liquid	8	UN2308	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	Nitrosylsulfuric acid, solid	8	UN3456	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 66, 74, 89, 90
	Nitrotoluenes, liquid	6.1	UN1664	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitrotoluenes, solid	6.1	UN3446	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitrotoluidines (mono)	6.1	UN2660	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitrotriazolone or NTO	1.1D	UN0490	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
	Nitrous oxide	2.2	UN1070	II	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40
	Nitrous oxide, refrigerated liquid	2.2	UN2201	II	2.2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitroxylene, liquid	6.1	UN1665	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitroxylene, solid	6.1	UN3447	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Nitroxylol, see Nitroxylene.</i>												
	Nonanes	3	UN1920	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)	
G	Organic peroxide type C, liquid, tem-perature controlled.	5.2	UN3113	II	5.2		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type C, solid	5.2	UN3104	II	5.2		152	225 ...	None	5 kg	10 kg	D	12, 40, 52, 53	
G	Organic peroxide type C, solid, tem-perature controlled.	5.2	UN3114	II	5.2		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type D, liquid	5.2	UN3105	II	5.2		152	225 ...	None	5 L	10 L	D	12, 40, 52, 53	
G	Organic peroxide type D, liquid, tem-perature controlled.	5.2	UN3115	II	5.2		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type D, solid	5.2	UN3106	II	5.2		152	225 ...	None	5 kg	10 kg	D	12, 40, 52, 53	
G	Organic peroxide type D, solid, tem-perature controlled.	5.2	UN3116	II	5.2		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type E, liquid	5.2	UN3107	II	5.2		152	225 ...	None	10 L	25 L	D	12, 40, 52, 53	
G	Organic peroxide type E, liquid, tem-perature controlled.	5.2	UN3117	II	5.2		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type E, solid	5.2	UN3108	II	5.2		152	225 ...	None	10 kg	25 kg	D	12, 40, 52, 53	
G	Organic peroxide type E, solid, tem-perature controlled.	5.2	UN3118	II	5.2		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type F, liquid	5.2	UN3109	II	5.2	IP5	152	225 ...	225 ...	10 L	25 L	D	12, 40, 52, 53	
G	Organic peroxide type F, liquid, tem-perature controlled.	5.2	UN3119	II	5.2	IP5	None ...	225 ...	225 ...	Forbidden	Forbidden	D	2, 40, 52, 53	
G	Organic peroxide type F, solid	5.2	UN3110	II	5.2	TP33	152	225 ...	225 ...	10 kg	25 kg	D	12, 40, 52, 53	
G	Organic peroxide type F, solid, tem-perature controlled.	5.2	UN3120	II	5.2	TP33	None ...	225 ...	225 ...	Forbidden	Forbidden	D	2, 52, 53	
D	Organic phosphate, mixed with com-pressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus com-pound, mixed with compressed gas.	2.3	NA1955	2.3	2.3	3	None ...	334 ...	None	Forbidden	Forbidden	D	40	
	Organic pigments, self-heating	4.2	UN3313	III	4.2	IB8, IP2, IP4, T3, TP33	None ...	212 ...	241 ...	15 kg	50 kg	C		
	.....				4.2	IB8, IP3, T1, TP33	None ...	213 ...	241 ...	25 kg	100 kg	C	

UN number	Proper shipping name	Class	Division	Subdivision	Labels	Quantity	Special provisions	Other	Exemption
6.1 UN3280	Organoarsenic compound, liquid, n.o.s.	I	6.1	.....	5, T14, TP2, TP13, TP27	None	201	242	30 L
6.1 UN3465	Organoarsenic compound, solid, n.o.s.	II	6.1	.....	IB2, T11, TP2, TP27	153	202	242	60 L
		III	6.1	.....	IB3, T7, TP1, TP28	153	203	241	220 L
3 UN2762	Organochlorine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	I	6.1	.....	IB7, IP1, T6, TP33	None	211	242	5 kg
		II	6.1	.....	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg
		III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	200 kg
6.1 UN2996	Organochlorine pesticides, liquid, toxic.	I	3, 6.1	.....	T14, TP2, TP13, TP27	None	201	243	30 L
		II	3, 6.1	.....	IB2, T11, TP2, TP13, TP27	150	202	243	60 L
6.1 UN2995	Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	I	6.1	.....	T14, TP2, TP13, TP27	None	201	243	30 L
		II	6.1	.....	IB2, T11, TP2, TP13, TP27	153	202	243	60 L
6.1 UN2761	Organochlorine pesticides, solid, toxic.	III	6.1, 3	.....	IB3, T7, TP2, TP28	153	203	241	220 L
		I	6.1	.....	IB7, IP1, T6, TP33	None	211	242	5 kg
6.1 UN3282	Organometallic compound, liquid, toxic, n.o.s.	III	6.1	.....	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg
		I	6.1	.....	IB8, IP3, T1, TP33	153	213	240	200 kg
6.1 UN3467	Organometallic compound, solid, toxic, n.o.s.	II	6.1, 3	.....	T14, TP2, TP13, TP27	None	201	242	30 L
		III	6.1, 3	.....	IB2, T11, TP2, TP27	153	202	242	60 L
4.2 UN3392	Organometallic substance, liquid, pyrophoric.	III	6.1	.....	IB3, T7, TP1, TP28	153	203	241	220 L
		I	6.1	.....	IB7, IP1, T6, TP33	None	211	242	5 kg
4.2 UN3394	Organometallic substance, liquid, water-reactive.	III	6.1	.....	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg
		I	4.2	.....	IB8, IP3, T1, TP33	153	213	240	200 kg
4.3 UN3398	Organometallic substance, liquid, water-reactive.	I	4.2	.....	T14, TP2, TP13, TP27	None	201	242	30 L
		I	4.3	.....	IB2, T11, TP2, TP27	153	202	242	60 L
4.3 UN3399	Organometallic substance, liquid, water-reactive, flammable.	III	6.1	.....	IB3, T7, TP1, TP28	153	203	241	220 L
		I	4.3	.....	IB7, IP1, T6, TP33	None	211	242	5 kg

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organometallic substance, solid, pyrophoric.	4.2	UN3391	I	4.2	T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	
G	Organometallic substance, solid, pyrophoric, water-reactive.	4.2	UN3393	I	4.2, 4.3	B11, T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	52
G	Organometallic substance, solid, self-heating.	4.2	UN3400	II	4.2	IB6, T3, TP33, TP36	None	212	242	15 kg	50 kg	C	
G	Organometallic substance, solid, water-reactive.	4.3	UN3395	III	4.2, 4.3	IB8, T1, TP33, TP36 N40, T9, TP7, TP33, TP36	None	213	242	25 kg	100 kg	C	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3	IB4, T3, TP33, TP36	151	212	242	15 kg	50 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3397	III	4.3, 4.1	IB6, T1, TP33, TP36	151	213	241	25 kg	100 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3399	II	4.3, 4.2	N40, T9, TP7, TP33, TP36	None	211	242	Forbidden	15 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3391	III	4.3, 4.2	IB4, T3, TP33, TP36	None	212	242	15 kg	50 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.2	UN3391	I	4.2	IB6, T1, TP33, TP36	None	213	241	25 kg	100 kg	E	40, 52
G	Organometallic substance, solid, water-reactive.	4.2	UN3393	I	4.2, 4.3	T21, TP7, TP33	None	187	244	Forbidden	Forbidden	D	52
G	Organometallic substance, solid, water-reactive.	4.2	UN3400	II	4.2	B11, T21, TP7, TP33	None	187	244	Forbidden	Forbidden	D	
G	Organometallic substance, solid, water-reactive.	4.3	UN3395	III	4.2	IB6, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Organometallic substance, solid, water-reactive.	4.3	UN3396	III	4.2, 4.3	IB8, T1, TP33	None	203	242	25 kg	100 kg	C	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	I	4.3, 4.1	N40, T9, TP7, TP33	None	211	242	Forbidden	Forbidden	E	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	II	4.3, 4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3, 4.1	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	II	4.3, 4.1	N40, T9, TP7, TP33	None	211	242	Forbidden	Forbidden	E	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	II	4.3, 4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	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 G	Organotin pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C. Organotin pesticides, liquid, toxic Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. Organotin pesticides, solid, toxic Ortho-nitroaniline, see Nitroanilines etc. Cesium tetroxide Other regulated substances, liquid, n.o.s. Other regulated substances, solid, n.o.s. Oxidizing liquid, corrosive, n.o.s.	3	UN2787	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
		6.1	UN3020	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
		6.1	UN3019	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
		6.1	UN3019	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
		6.1	UN2786	I	6.1	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
		6.1	UN2786	II	6.1	IB7, IP1, T6, TP33	153	211	242	5 kg	50 kg	A	40
		6.1	UN2786	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
		6.1	UN2786	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
		6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34, T6, TP33	None	211	242	5 kg	50 kg	B	40
		9	NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	
9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A			
5.1	UN3098	I	5.1, 8	62, A6	None	201	244	Forbidden	2.5 L	D	13, 56, 58, 106, 138		
5.1, 8		II	5.1, 8	62, IB1	None	202	243	1 L	5 L	B	13, 34, 56, 58, 106, 138		
5.1, 8		III	5.1, 8	62, IB2	152	203	242	2.5 L	30 L	B	13, 34, 56, 58, 106, 138		

G	Oxidizing liquid, n.o.s.	5.1	UN3139	I	5.1	62, 127, A2, A6	None	201	243	Forbidden	2.5 L	D	56, 58, 106, 138
				II	5.1	62, 127, A2, IB2	152	202	242	1 L	5 L	B	56, 58, 106, 138
				III	5.1	62, 127, A2, IB2	152	203	241	2.5 L	30 L	B	56, 58, 106, 138
G	Oxidizing liquid, toxic, n.o.s.	5.1	UN3099	I	5.1, 6.1	62, A6	None	201	244	Forbidden	2.5 L	D	56, 58, 106, 138
				II	5.1, 6.1	62, IB1	152	202	243	1 L	5 L	B	56, 58, 95, 106, 138
				III	5.1, 6.1	62, IB2	152	203	242	2.5 L	30 L	B	56, 58, 95, 106, 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, 95, 106, 138
				II	5.1, 8	62, IB6, IP2, T3, TP33	None	212	242	5 kg	25 kg	B	13, 34, 56, 58, 106, 138
				III	5.1, 8	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	13, 34, 56, 58, 106, 138
G	Oxidizing solid, flammable, n.o.s.	5.1	UN3137	I	5.1, 4.1	62	None	214	214	Forbidden	Forbidden		56, 58, 106, 138
G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	62, IB5, IP1	None	211	242	1 kg	15 kg	D	56, 58, 106, 138
				II	5.1	62, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	B	56, 58, 106, 138
				III	5.1	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	56, 58, 106, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	I	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		56, 58, 106, 138
				II	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		56, 58, 106, 138
G	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1	62	None	211	242	1 kg	15 kg	D	56, 58, 106, 138

§ 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)
				II	5.1, 6.1.	62, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	B	56, 58, 95, 106, 138
				III	5.1, 6.1.	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	56, 58, 95, 106, 138
G	Oxidizing solid, water reactive, n.o.s.	5.1	UN3121		5.1, 4.3.	62	None	214	214	Forbidden	Forbidden		
	Oxygen, compressed	2.2	UN1072		2.2, 5.1.	110, A14	306	302	314, 315.	75 kg	150 kg	A	
	Oxygen difluoride, compressed	2.3	UN2190		2.3, 5.1, 8.	1, N86	None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90
	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc).	5.1	UN3356	II	5.1		None	168	None	Forbidden	25 kg	D	56, 58, 69, 106
+	Oxygen generator, chemical, spent	9	NA3356	III	9	61	None	213	None	Forbidden	Forbidden	A	
	Oxygen, refrigerated liquid (cryogenic liquid).	2.2	UN1073		2.2, 5.1.	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base.	3	UN1263	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
				II	3	149, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
				III	3	B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
	Paint or Paint related material	8	UN3066	II	8	B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40
	Paint related material, flammable, corrosive (including paint thinning or reducing compound).	3	UN3469	II	3, 8	B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40
				III	3, 8	IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40.
				III	3, 8	IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40.

UN number	Proper shipping name	Class	Subclass	Label	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions
3 UN1263	Paint related material including paint thinning, drying, removing, or reducing compound.	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E		
8 UN3470	Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base).	II	3	149, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B		
8 UN3470	Paint related material corrosive, flammable (including paint thinning or reducing compound).	III	3	B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A		
3 UN3469	Paint related material, flammable, corrosive (including paint thinning or reducing compound).	I	3, 8	T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E		40
3 UN3469	Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base).	I	3, 8	T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E		40
4.2 UN1379	Paper, unsaturated oil treated completely dried (including carbon paper).	II	3, 8	IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B		40
4.1 UN2213	Paraldehyde	III	3, 8	IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A		40
3 UN1264	Paraldehyde	III	3	IB8, IP3	None	213	241	Forbidden	Forbidden	A		
2.3 NA1967	Parathion and compressed gas mixture.	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A		
4.2 UN1380	Pentachloroethane	I	4.2	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
6.1 UN1669	Pentaerythrite tetranitrate (dry)	II	6.1		None	334	245	Forbidden	Forbidden	E		40
6.1 UN3155	Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s. or PETN mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass.	II	6.1	3	None	334	245	Forbidden	Forbidden	E		
4.1 UN3344	Pentaborane	II	4.1	1	None	205	245	Forbidden	Forbidden	D		
4.1 UN3344	Pentachlorophenol	II	4.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		40
4.1 UN3344	Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass.	II	4.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
4.1 UN3344	Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass.	II	4.1	118, N85	None	214	None	Forbidden	Forbidden	E		

§ 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)
	Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass.	1.1D	UN0411	II	1.1D ..	120	None ..	62	None	Forbidden	Forbidden	04	25
	Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass.	1.1D	UN0150	II	1.1D ..	121	None ..	62	None	Forbidden	Forbidden	04	25
	Pentaerythritol tetranitrate	2.2	UN3220		2.2	750	306	304	314, 315, 242	75 kg	150 kg	A	
	Pentafluoroethane or Refrigerant gas R 125.	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Pentamethylheptane	3	UN2310	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Pentane-2,4-dione	3	UN1265	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	Pentanes	3	UN1265	II	3	IB2, IP8, T4, TP1	150	202	242	5 L	60 L	E	
	Pentanitroaniline (dry)	Forbidden											
	Pentanols	3	UN1105	II	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	1-Pentene (n-amylenes)	3	UN1108	III	3	B1, B3, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1-Pentol	8	UN2705	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	Pentolite, dry or wetted with less than 15 percent water, by mass.	1.1D	UN0151	II	1.1D ..	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	26, 27
	Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized.						None ..	62	None	Forbidden	Forbidden	04	25
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	II	5.1	IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
	Perchlorates, inorganic, n.o.s.			III	5.1	IB2, T4, TP1	152	202	241	2.5 L	30 L	B	56, 58, 69, 133
	Perchloric acid, with more than 72 percent acid by mass.	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

UN number	Proper shipping name	Hazard class	Subclass	Label	Quantity	Special provisions	Quantity	Label	Quantity	Special provisions
5.1 UN1873	Perochloric acid with more than 50 percent but not more than 72 percent acid, by mass.	I	5.1, 8	A2, A3, N41, T10, TP1	None	201	243	Forbidden	2.5 L	D
8 UN1802	Perochloric acid with not more than 50 percent acid by mass. <i>see Perchloroethylene.</i>	II	8, 5.1	IB2, N41, T7, TP2	None	202	243	Forbidden	30 L	C
6.1 UN1670	Tetrachloroethylene.	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D
2.3 UN3083	Perchloromethyl mercaptan	2.3	5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D
2.1 UN3154	Perchloryl fluoride	2.1	2.1		306	302, 304, 305	314, 315	Forbidden	150 kg	E
2.1 UN3153	Perchloro-2-butene, <i>see</i> Octafluorobut-2-ene.	2.1	2.1		306	302, 304, 305	314, 315	Forbidden	150 kg	E
3 UN1266	Perfluoro(ethyl vinyl ether)	II	3	149, IB2, T4, TP1, TP8	150	202	242	15 L	60 L	B
5.1 UN3214	Perfumery products with flammable solvents.	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
5.1 UN1482	Permanganates, inorganic, aqueous solution, n.o.s.	II	5.1	26, 353, IB2, T4, TP1	152	202	242	1 L	5 L	D
		III	5.1	26, 353, A30, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D
		III	5.1	26, 353, A30, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	D
5.1 UN1483	Permeation devices for calibrating air quality monitoring equipment <i>See</i> § 173.175.	II	5.1	A7, A20, IB6, IP2, N34, T3, TP33	None	212	242	5 kg	25 kg	A
		III	5.1	A7, A20, IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A
5.1 UN3216	Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide.	III	5.1	IB2, T4, TP1, TP29	152	203	241	2.5 L	30 L	A
5.1 UN3215	Perisulfates, inorganic, aqueous solution, n.o.s.	III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A
3 UN3021	Perisulfates, inorganic, n.o.s.	I	3, 6.1	B5, T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B
	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

§ 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	Pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23 degrees C.</i>	6.1	UN2903	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
G	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	III	6.1, 3	B1, IB3, T7, TP2	153	203	242	60 L	220 L	A	40	
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
				I	6.1	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	
	PEIN, 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		
	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		
				II	3	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B		
				III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A		
	Petroleum gases, liquefied or Liquefied petroleum gas.	2.1	UN1075	2.1	2.1	T50	306	304	314, 315	Forbidden	150 kg	E	40	
D	Petroleum oil	3	NA1270	I	3	144, T11, TP1	None	201	243	1 L	30 L	E		
				II	3	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B		
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	
				III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A		
	Phenacyl bromide	6.1	UN2645	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40	
+	Phenetidines	6.1	UN2311	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Other
6.1 UN2312	Phenol, molten	II	6.1	.....	IB8, IP2, IP4, N78, T3, TP33	None	202	243
6.1 UN1671	Phenol, solid	III	6.1	.....	IB8, IP2, IP4, N78, T3, TP33	153	212	242
6.1 UN2821	Phenol solutions	III	6.1	.....	IB2, T7, TP2	153	203	243
8 UN1803	Phenolsulfonic acid, liquid	III	8	.....	IB3, T4, TP1	153	202	241
3 UN3346	Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C.	I	3, 6.1	.....	B2, IB2, N41, T7, TP2	154	202	242
6.1 UN3348	Phenoxyacetic acid derivative pesticide, liquid, toxic.	II	3, 6.1	.....	T14, TP2, TP13, TP27	None	201	243
6.1 UN3347	Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	III	6.1	.....	IB2, T11, TP2, TP27	153	202	243
6.1 UN3345	Phenoxyacetic acid derivative pesticide, solid, toxic.	I	6.1	.....	T14, TP2, TP13, TP27	None	201	243
6.1 UN2746	Phenyl chloroformate	III	6.1	.....	IB2, T11, TP2, TP27	153	202	243
6.1 UN2487	Phenyl isocyanate	III	6.1, 3	.....	IB3, T7, TP2, TP28	153	203	241
6.1 UN2337	Phenyl mercaptan	I	6.1, 3	.....	IB7, IP1, T6, TP33	None	211	242
8 UN2798	Phenyl phosphorus dichloride	III	8	.....	IB8, IP2, IP4, T3, TP33	153	212	242
8 UN2799	Phenyl phosphorus trichloride	III	8	.....	IB8, IP3, T1, TP33	153	213	240
6.1 UN3002	Phenyl urea pesticides, liquid, toxic	II	6.1	.....	IB2, T7, TP2, TP13	153	202	243
6.1 UN2470	Phenylacetone, liquid	III	6.1	.....	2, B9, B14, B32, B77, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244
8 UN2577	Phenylacetyl chloride	III	8	.....	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244
6.1 UN1672	Phenylcarbamylamine chloride	I	6.1	.....	B2, B15, IB2, T7, TP2	154	202	242
Forbiddén	<i>m</i> -Phenylenediamine	III	6.1	.....	B2, B15, IB2, T7, TP2	154	202	242
Forbiddén	<i>m</i> -Phenylenediamine (<i>o</i> -, <i>m</i> -, <i>p</i> -)	III	6.1	.....	T14, TP2, TP27	None	201	243
Forbiddén	Phenylhydrazine	III	6.1	.....	T7, TP2	None	202	243
Forbiddén	Phenylmercuric acetate	III	6.1	.....	T4, TP1	153	203	241
Forbiddén	Phenylmercuric compounds, n.o.s.	III	6.1	.....	IB3, T4, TP1	153	203	241
Forbiddén		III	6.1	.....	B2, IB2, T7, TP2	154	202	242
Forbiddén		I	6.1	.....	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244
Forbiddén		III	6.1	.....	IB8, IP3, T1, TP33	153	213	240
Forbiddén		III	6.1	.....	IB2, T7, TP2	153	202	243
Forbiddén		III	6.1	.....	IB8, IP2, IP4, T3, TP33	153	212	242
Forbiddén		I	6.1	.....	IB7, IP1, T6, TP33	None	211	242

§ 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)
	.....						153	212	242	25 kg	100 kg	A	
	Phenylmercuric hydroxide	6.1	UN1894	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	100 kg	200 kg	A	
	Phenylmercuric nitrate	6.1	UN1895	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	242	25 kg	100 kg	A	
	Phenyltrichlorosilane	8	UN1804	II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Phosgene	2.3	UN1076	.....	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
	9-Phosphabicyclonanes or Cyclooctadiene phosphines.	4.2	UN2940	II	4.2	A19, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	
	Phosphine	2.3	UN2199	.....	2.3, 2.1.	1	None	192	245	Forbidden	Forbidden	D	40
	Phosphoric acid solution	8	UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	
	Phosphoric acid, solid	8	UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Phosphoric acid triethylamine, see Tris-(1-aziridinyl)phosphine oxide, solution.												
	Phosphoric anhydride, see Phosphorus pentoxide.												
	Phosphorus acid	8	UN2834	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	25
	Phosphorus, amorphous	4.1	UN1338	III	4.1	A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	None	213	243	25 kg	100 kg	A	74
	Phosphorus bromide, see Phosphorus tribromide.												
	Phosphorus chloride, see Phosphorus trichloride.												
	Phosphorus heptasulfide, free from yellow or white phosphorus.												
	Phosphorus oxybromide	8	UN2576	II	8	N43, T3, TP33	None	212	240	Forbidden	50 kg	C	12, 40
	Phosphorus oxybromide, molten	8	UN2576	II	8	B2, B8, B1, 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, 40, 53, 55

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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, 40
Phosphorus Pentatelluride	2.3	UN2198		2.3, 8	2, B9, B14	None ...	302, 304	314, 315	Forbidden	Forbidden	D	74
Phosphorus pentasulfide, free from yellow or white phosphorus.	4.3	UN1340	II	4.3, 4.1	A20, B59, IB4, T3, TP33	151	212 ...	242 ...	15 kg	50 kg	B	74
Phosphorus pentoxide	8	UN1807	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212 ...	240 ...	15 kg	50 kg	A	74
Phosphorus sesquisulfide, free from yellow or white phosphorus.	4.1	UN1341	II	4.1	A20, IB4, N34, T3, TP33	None ...	212 ...	240 ...	15 kg	50 kg	B	74
Phosphorus tribromide	8	UN1808	II	8	A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2	None ...	202 ...	242 ...	Forbidden	30 L	C	40
Phosphorus trichloride	6.1	UN1809	I	6.1, 8	2, B9, B14, B15, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	C	40
Phosphorus trioxide	8	UN2578	III	8	IB8, IP3, T1, TP33	154	213 ...	240 ...	25 kg	100 kg	A	12
Phosphorus trisulfide, free from yellow or white phosphorus.	4.1	UN1343	II	4.1	A20, IB4, N34, T3, TP33	None ...	212 ...	240 ...	15 kg	50 kg	B	74
Phosphorus, white dry or Phosphorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus, yellow, in solution.	4.2	UN1381	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31	None ...	188 ...	243 ...	Forbidden	Forbidden	E	
Phosphorus (white or red) and a chlorate, mixtures of.	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	
Picolines	3	UN2313	III	3	B1, IB3, T4, TP1	150	203 ...	242 ...	60 L	220 L	A	40
Picric acid, see Trinitrophenol, etc.												
Picrite, see Nitroguanidine, etc.												
Picryl chloride, see Trinitrochlorobenzene.												
Pine oil	3	UN1272	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
alpha-Pinene	3	UN2366	III	3	B1, IB3, T2, TP1	150	203 ...	242 ...	60 L	220 L	A	
Piperazine	8	UN2579	III	8	IB8, IP3, T1, TP33	154	213 ...	240 ...	25 kg	100 kg	A	12, 52
Piperidine	8	UN2401	I	8, 3	A10, T10, TP2	None ...	201 ...	243 ...	0.5 L	2.5 L	B	52
Phthaloyl chloride, see Trimethylacetyl chloride.												
Plastic molding compound in dough, sheet or extruded rope form evaluating 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..												

§ 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)
	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 Com-pressed or liquefied gases, flam-mable or toxic, n.o.s.												
	Polyalkylamines, n.o.s., see Amines, etc.												
	Polyamines, flammable, corrosive, n.o.s. see Amines, flammable, cor-rosive, n.o.s.												
	Polyamines, liquid, corrosive, n.o.s. see Amines, liquid, corrosive, n.o.s.												
	Polyamines, liquid, corrosive, flam-mable, n.o.s. see Amines, liquid, corrosive, flam-mable, n.o.s.												
	Polychlorinated biphenyls, liquid	9	UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95
	Polychlorinated biphenyls, solid	9	UN3432	II	9	9, 81, 140, IB8, IP2, IP4, T3, TP33	155	212	240	100 kg	200 kg	A	95
	Polyester resin kit	3	UN3269	III	3	40, T49	165	165	None	5 kg	5 kg	B	
	Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls, liquid	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95
	Polyhalogenated biphenyls, solid or Polyhalogenated terphenyls, solid	9	UN3152	II	9	IB8, IP2, IP4, T3, TP33	155	204	241	100 kg	200 kg	A	95
	Polymeric beads expandable, evol-ving flammable vapor	9	UN2211	III	9	32, IB8, IP3, IP7, T1, TP33	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
	Potassium	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7	None	211	244	Forbidden	15 kg	D	52
	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	None	211	242	Forbidden	15 kg	E	52
	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
.....			III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
<i>Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C.</i>												
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	None	211	242	5 kg	50 kg	B	52
Potassium cyanide solution	6.1	UN3413	I	6.1	B69, B77, N74, N75, T14, TP2, TP13	None	201	243	1 L	30 L	B	52
.....			II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	52
.....			III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	52
<i>Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc.</i>												
Potassium dithionite or Potassium hydrosulfite	4.2	UN1929	II	4.2	A8, A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
Potassium fluoride, solid	6.1	UN1812	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Potassium fluoride solution	6.1	UN3422	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
Potassium fluoroacetate	6.1	UN2628	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
Potassium fluorosilicate	6.1	UN2655	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
<i>Potassium hydrate, see Potassium hydroxide, solid.</i>												
<i>Potassium hydrogen fluoride, see Potassium hydrogen difluoride.</i>												
<i>Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.</i>												
Potassium hydrogen sulfate	8	UN2509	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
Potassium hydrogendifluoride solid	8	UN1811	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
Potassium hydrogendifluoride solution	8	UN3421	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	1 L	30 L	A	25, 40, 52
.....			III	8, 6.1	IB3, N3, N34, T4, TP1	154	203	241	5 L	60 L	A	40, 52
Potassium hydrosulfite, <i>see</i> Potassium dithionite												
<i>Potassium hydroxide, liquid, see Potassium hydroxide solution.</i>												
Potassium hydroxide, solid	8	UN1813	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Potassium hydroxide, solution	8	UN1814	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52
.....			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52

§ 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)		
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Potassium hypochlorite, solution, see Hypochlorite solutions, etc.														
	Potassium, metal alloys, liquid	4.3	UN1420	I	4.3	A7, A19, A20, B27	None	201	244	244	Forbidden	1 L	E	40, 52	
	Potassium, metal alloys, solid	4.3	UN3403	I	4.3	A19, A20, B27, IB4, IP1, T9, TP7, TP33	None	211	244	244	Forbidden	15 kg	D		
	Potassium metavanadate	6.1	UN2864	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	A		
	Potassium monoxide	8	UN2033	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	240	15 kg	50 kg	A		29, 52,
	Potassium nitrate	5.1	UN1486	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	240	25 kg	100 kg	A		
	Potassium nitrate and sodium nitrite mixtures.	5.1	UN1487	II	5.1	B78, IB8, IP2, IP4, T3, TP33	152	212	240	240	5 kg	25 kg	A		56, 58
	Potassium nitrite	5.1	UN1488	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	242	5 kg	25 kg	A		56, 58
	Potassium perchlorate	5.1	UN1489	II	5.1	IB6, IP2, T3, TP33	152	212	242	242	5 kg	25 kg	A		56, 58
	Potassium permanganate	5.1	UN1490	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	240	5 kg	25 kg	D		56, 58, 138
	Potassium peroxide	5.1	UN1491	I	5.1	A20, IB6, IP1, N34	None	211	None	None	Forbidden	15 kg	B		13, 52, 66, 75
	Potassium persulfate	5.1	UN1492	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	240	25 kg	100 kg	A		56, 145
	Potassium phosphide	4.3	UN2012	I	4.3, 6.1	A19, N40	None	211	None	None	Forbidden	15 kg	E		40, 52, 85
	Potassium selenate, see Selenates or Selenites.														
	Potassium selenite, see Selenates or Selenites.														
	Potassium sodium alloys, liquid	4.3	UN1422	I	4.3	A7, A19, B27, N34, N40, T9, TP3, TP7, TP31	None	201	244	244	Forbidden	1 L	E		40, 52
	Potassium sodium alloys, solid	4.3	UN3404	I	4.3	A19, B27, N34, N40, T9, TP7, TP33	None	211	244	244	Forbidden	15 kg	D		52
	Potassium sulfide, anhydrous or Potassium sulfide with less than 30 percent water of crystallization.	4.2	UN1382	II	4.2	A19, A20, B16, IB6, IP2, N34, T3, TP33	None	212	241	241	15 kg	50 kg	A		52
	Potassium sulfide, hydrated with not less than 30 percent water of crystallization.	8	UN1847	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	240	15 kg	50 kg	A		52
	Potassium superoxide	5.1	UN2466	I	5.1	A20, IB6, IP1	None	211	None	None	Forbidden	15 kg	B		13, 52, 66, 75

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	<i>Propadiene mixed with methyl acetylene</i> , see Methyl acetylene and propadiene mixtures, stabilized.	2.1	UN1978		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40	
	Propane see also Petroleum gases, liquefied.	3	UN2402	II	3	A6, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	95, 102	
	Propanethiols	3	UN1274	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B		
	n-Propanol or Propyl alcohol, normal	3	UN1274	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Propellant, liquid	1.3C	UN0495	II	1.3C	37	None	62	None	Forbidden	Forbidden	4	25	
	Propellant, liquid	1.1C	UN0497	II	1.1C	37	None	62	None	Forbidden	Forbidden	4	25	
	Propellant, solid	1.1C	UN0498	II	1.1C		None	62	None	Forbidden	Forbidden	4	25, 26E	
	Propellant, solid	1.3C	UN0499	II	1.3C		None	62	None	Forbidden	Forbidden	4	25, 26E	
	Propellant, solid	1.4C	UN0501		1.4C		None	62	None	Forbidden	Forbidden	2	25, 26E	
	Propionaldehyde	3	UN1275	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E		
	Propionic acid with not less than 90% acid by mass.	8	UN3463	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A		
	Propionic acid with not less than 10% and less than 90% acid by mass.	8	UN1848	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
	Propionic anhydride	8	UN2496	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
	Propionitrile	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	Forbidden	60 L	E	40	
	Propionyl chloride	3	UN1815	II	3, 8	IB1, T7, TP1	150	202	243	1 L	5 L	B	40	
	n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Propyl alcohol, see Propanol.													
	n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 100	
	n-Propyl chloroformate	6.1	UN2740	I	6.1, 3, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B		
	Propyl chloride see 1-Chloropropane.													
	Propyl formates	3	UN1281	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	n-Propyl isocyanate	6.1	UN2482	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D		
	Propyl mercaptan, see Propanethiols.													
	n-Propyl nitrate	3	UN1865	II	3	IB9	150	202	None	5 L	60 L	D	44, 89, 90, 100	

Propylamine	3	UN1277	II	3, 8	A7, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40
Propylene see also Petroleum gases, liquified.	2.1	UN1077	II	2.1	19, T50	306	304	314	Forbidden	150 kg	E	40
Propylene chlorohydrin	6.1	UN2611	II	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	12, 25, 40
Propylene oxide	3	UN1280	I	3	A3, N34, T11, TP2, TP7	None	201	243	1 L	30 L	E	40
Propylene tetramer	3	UN2850	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
1,2-Propylenediamine	8	UN2258	II	8, 3	A3, A6, IB2, N34, T7, TP2	None	202	243	1 L	30 L	A	40
Propyleneimine, stabilized	3	UN1921	I	3, 6.1	A3, N34, T14, TP2, TP13	None	201	243	1 L	30 L	B	40
Propyltrichlorosilane	8	UN1816	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
Prussic acid, see Hydrogen cyanide.												
Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN3350	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Pyrethroid pesticide, liquid toxic	6.1	UN3352	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3351	III	6.1	T14, TP2, TP13, TP27	153	203	243	1 L	30 L	B	40
Pyrethroid pesticide, solid, toxic	6.1	UN3349	III	6.1, 3	IB2, T11, TP2, TP28	153	203	241	60 L	220 L	A	40
Pyridine	3	UN1282	II	3	IB8, IP2, IP4, T3, TP33	None	211	242	5 kg	50 kg	A	40
Pyridine perchlorate	Forbidden		II	3	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Pyrophoric liquid, inorganic, n.o.s.	4.2	UN3194	I	4.2	IB2, T4, TP2	None	202	242	5 L	60 L	B	21, 100
Pyrophoric liquids, organic, n.o.s.	4.2	UN2845	I	4.2	B11, T22, TP2, TP7	None	181	244	Forbidden	Forbidden	D	78
Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s.	4.2	UN1383	I	4.2	B11, T21, TP7, TP33	None	187	242	Forbidden	Forbidden	D	78
Pyrophoric solid, inorganic, n.o.s.	4.2	UN3200	I	4.2	T21, TP7, TP33	None	187	242	Forbidden	Forbidden	D	
Pyrophoric solids, organic, n.o.s.	4.2	UN2846	I	4.2	B2, IB2, T8, TP2	None	187	242	Forbidden	Forbidden	D	
Pyrosulfuryl chloride	8	UN1817	II	8		154	202	242	1 L	30 L	C	40
Pyroxilin solution or solvent, see Nitrocellulose.												
Pyroolidine	3	UN1922	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52
Quebrachitol pentanitrate	Forbidden											
Quicklime, see Calcium oxide.												
Quinoline	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12
R 12, see Dichlorodifluoromethane.												
R 12B1, see Chlorodifluoromethane.												
R 13, see Chlorotrifluoromethane.												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation 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)	<i>R 13B1, see Bromotrifluoromethane.</i> <i>R 14, see Tetrafluoromethane.</i> <i>R 21, see Dichlorofluoromethane.</i> <i>R 22, see Chlorodifluoromethane.</i> <i>R 114, see Dichlorotetrafluoroethane.</i> <i>R 115, see Chloropentafluoroethane.</i> <i>R 116, see Hexafluoroethane.</i> <i>R 124, see Chlorotetrafluoroethane.</i> <i>R 133a, see Chlorotrifluoroethane.</i> <i>R 152a, see Difluoroethane.</i> <i>R 500, see Dichlorodifluoromethane and difluoroethane, etc.</i> <i>R 502, see Chlorodifluoroethane and chloropentafluoroethane mixture, etc.</i> <i>R 503, see Chlorotrifluoromethane and trifluoromethane, etc.</i>												
	Radioactive material, excepted pack-age-articles manufactured from natural uranium or depleted ura-nium or natural thorium.	7	UN2909		None		422, 426.	422, 426.	422, 426.			A	
	Radioactive material, excepted pack-age-empty packaging.	7	UN2908		Empty		422, 428.	422, 428.	422, 428.			A	
	Radioactive material, excepted pack-age-instruments or articles.	7	UN2911		None		422, 424.	422, 424.	422, 424.			A	
	Radioactive material, excepted pack-age-limited quantity of material.	7	UN2910		None		421, 422.	421, 422.	421, 422.			A	
	Radioactive material, low specific ac-tivity (LSA-I) non fissile or fissile-excepted.	7	UN2912		7	A56, T5, TP4, W7	421, 422, 428.	421, 422, 428.	421, 422, 428.			A	95, 129
	Radioactive material, low specific ac-tivity (LSA-II) non fissile or fissile-excepted.	7	UN3321		7	A56, T5, TP4, W7	421, 422, 428.	421, 422, 428.	421, 422, 428.			A	95, 129
	Radioactive material, low specific ac-tivity (LSA-III) non fissile or fissile-excepted.	7	UN3322		7	A56, T5, TP4, W7	421, 422, 428.	421, 422, 428.	421, 422, 428.			A	95, 129

Radioactive material, surface contaminated objects (SCO-I or SCO-II) <i>non fissile or fissile-excepted.</i>	7	UN2913	7	.....	A56	421, 422, 428.	427	427	427	A	95
Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted.</i>	7	UN2919	7	.....	A56, 139	.....	.....	.....	.....	A	95, 105
Radioactive material, transported under special arrangement, fissile.	7	UN3331	7	.....	A56, 139	.....	.....	.....	.....	A	95, 105
Radioactive material, Type A package, fissile <i>non-special form.</i>	7	UN3327	7	.....	A56, W7, W8	453	417	417	417	A	95, 105, 131
Radioactive material, Type A package <i>non-special form, non fissile or fissile-excepted.</i>	7	UN2915	7	.....	A56, W7, W8	None	415, 418, 419.	415, 418, 419.	415, 418, 419.	A	95, 130
Radioactive material, Type A package, special form <i>non fissile or fissile-excepted.</i>	7	UN3332	7	.....	A56, W7, W8	.....	415, 476.	415, 476.	415, 476.	A	95
Radioactive material, Type A package, special form, fissile.	7	UN3333	7	.....	A56, W7, W8	453	417, 476.	417, 476.	417, 476.	A	95, 105
Radioactive material, Type B(M) package, fissile.	7	UN3329	7	.....	A56	453	417	417	417	A	95, 105
Radioactive material, Type B(M) package <i>non fissile or fissile-excepted.</i>	7	UN2917	7	.....	A56	.....	416	416	416	A	95, 105
Radioactive material, Type B(U) package, fissile.	7	UN3328	7	.....	A56	453	417	417	417	A	95, 105
Radioactive material, Type B(U) package <i>non fissile or fissile-excepted.</i>	7	UN2916	7	.....	A56	.....	416	416	416	A	95, 105
Radioactive material, uranium hexafluoride <i>non fissile or fissile-excepted.</i>	7	UN2978	7, 8	.....		423	420, 427.	420, 427.	420, 427.	A	95, 132
Radioactive material, uranium hexafluoride, fissile.	7	UN2977	7, 8	.....		453	417, 420.	417, 420.	417, 420.	A	95, 132
Rags, oily	4.2	UN1856	III	4.2		151	213	240	240	Forbidden	
Railway torpedo, see Signals, railway track, explosive.										Forbidden	
RC 318, see Octafluorocyclobutane.											
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	II	1.1D		None	62	None	None	Forbidden	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) Identifi-cation 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)
	RDX and Octogen mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc.</i>												
	RDX, <i>see</i> Cyclotrimethylene trinitramine, <i>etc.</i>												
	Receptacles, small, containing gas or gas cartridges (<i>flammable</i>) without release device, not refillable and not exceeding 1 L capacity.	2.1	UN2037		2.1		306	304	None	1 kg	15 kg	B	40
	Receptacles, small, containing gas or gas cartridges (<i>non-flammable</i>) without release device, not refillable and not exceeding 1 L capacity.	2.2	UN2037		2.2		306	304	None	1 kg	15 kg	B	40
	Receptacles, small, containing gas or gas cartridges (<i>oxidizing</i>) without release device, not refillable and not exceeding 1 L capacity.	2.2	UN2037		2.2, 5.1	A14	306	304	None	1 kg	15 kg	B	40
	Red phosphorus, <i>see</i> Phosphorus, amorphous.												
	Refrigerant gas R 404A	2.2	UN3337		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407A	2.2	UN3338		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407B	2.2	UN3339		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407C	2.2	UN3340		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
G	Refrigerant gases, n.o.s.	2.2	UN1078		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
D	Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954		2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
	Refrigerating machines, containing flammable, non-toxic, liquefied gas.	2.1	UN3358		2.1		306, 307	306	306	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	Rockets, with inert head	1.2C	UN0502	1.2C	None	62	62	Forbidden	Forbidden	2	25, 5E
	Resin oil	3	UN1286	III	3 .....	.....	150	202	242	5 L	60 L	B
	Rubber solution	3	UN1287	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber contend exceeding 45%.	4.1	UN1345	II	4.1	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Rubidium	4.3	UN1423	I	4.3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Rubidium hydroxide	8	UN2678	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Rubidium hydroxide solution	8	UN2677	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
	Safety fuse, see Fuse, safety.					IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Samples, explosive, other than initiating explosives.					113	None	62	None	Forbidden	Forbidden	5	
	Sand acid, see Fluorosilicic acid.						None	211	242	Forbidden	15 kg	D	
I	Seed cake, containing vegetable oil solvent extractions and expeller seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined.	4.2	UN1386	III	None	IB8, IP3, IP7, N7	None	213	241	Forbidden	Forbidden	A	29, 52, 29, 52, 29, 52.
	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture.	4.2	UN1386	III	None	IB8, IP3, IP7, N7	None	213	241	Forbidden	Forbidden	E	
	Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture.	4.2	UN2217	III	None	IB8, IP3, IP7, N7	None	213	241	Forbidden	Forbidden	A	
	Selenates or Selenites	6.1	UN2630	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	
	Selenic acid	6.1	UN1905	I	6.1	IB7, IP1, N34, T6, TP33	None	211	242	Forbidden	25 kg	A	
	Selenium compound, liquid, n.o.s.	6.1	UN3440	I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	
						IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	
						IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
						IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
						IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Self-reactive liquid type B	4.1	UN3221	II	4.1	53	151	224	None	(2)	Forbidden	D	52, 53
G	Self-reactive liquid type B, temperature controlled.	4.1	UN3231	II	4.1	53	None	224	None	(2)	Forbidden	D	2, 52, 53
G	Self-reactive liquid type C	4.1	UN3223	II	4.1		151	224	None	5 L	10 L	D	52, 53
G	Self-reactive liquid type C, temperature controlled.	4.1	UN3233	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive liquid type D	4.1	UN3225	II	4.1		151	224	None	5 L	10 L	D	52, 53
G	Self-reactive liquid type D, temperature controlled.	4.1	UN3235	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive liquid type E	4.1	UN3227	II	4.1		151	224	None	10 L	25 L	D	52, 53
G	Self-reactive liquid type E, temperature controlled.	4.1	UN3237	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive liquid type F	4.1	UN3229	II	4.1		151	224	None	10 L	25 L	D	52, 53
G	Self-reactive liquid type F, temperature controlled.	4.1	UN3239	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive solid type B	4.1	UN3222	II	4.1	53	151	224	None	(1)	Forbidden	D	52, 53
G	Self-reactive solid type B, temperature controlled.	4.1	UN3232	II	4.1	53	None	224	None	(1)	Forbidden	D	2, 52, 53
G	Self-reactive solid type C	4.1	UN3224	II	4.1		151	224	None	5 kg	10 kg	D	52, 53
G	Self-reactive solid type C, temperature controlled.	4.1	UN3234	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive solid type D	4.1	UN3226	II	4.1		151	224	None	5 kg	10 kg	D	52, 53
G	Self-reactive solid type D, temperature controlled.	4.1	UN3236	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive solid type E	4.1	UN3230	II	4.1		151	224	None	10 kg	25 kg	D	52, 53
G	Self-reactive solid type E, temperature controlled.	4.1	UN3238	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
G	Self-reactive solid type F	4.1	UN3230	II	4.1		151	224	None	10 kg	25 kg	D	52, 53
G	Self-reactive solid type F, temperature controlled.	4.1	UN3240	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53
	Shale oil	3	UN1288	I 3	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	B	25
				III 3	3	IB2, T4, TP1, TP8	None	202	242	5 L	60 L	B	25
					3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	25
	Shaped charges, see Charges, shaped, etc.						None	62	None	Forbidden	75 kg	2	25
	Signal devices, hand	1.4G	UN0191	II	1.4G		None	62	None	Forbidden	100 kg	1	25
	Signal devices, hand	1.4S	UN0373	II	1.4S		None	62	None	Forbidden	Forbidden	3	25
	Signals, distress, ship	1.1G	UN0194	II	1.1G		None	62	None	Forbidden	Forbidden	3	25

Signals, distress, ship	1.3G	UN0195	II	1.3G	None	62	None	Forbidden	75 kg	3	25
Signals, distress, ship	1.4G	UN0505	.....	1.4G	None	62	None	Forbidden	75 kg	2	25
Signals, distress, ship	1.4S	UN0506	.....	1.4S	None	62	None	25 kg	100 kg	1	25
Signals, highway, see Signal devices, hand.											
Signals, railway track, explosive	1.1G	UN0192	II	1.1G	None	62	None	Forbidden	Forbidden	3	25
Signals, railway track, explosive	1.4S	UN0193	II	1.4S	None	62	None	25 kg	100 kg	1	25
Signals, railway track, explosive	1.3G	UN0492	.....	1.3G	None	62	None	Forbidden	Forbidden	3	25
Signals, railway track, explosive	1.4G	UN0493	.....	1.4G	None	62	None	Forbidden	75 kg	2	25
Signals, ship distress, water-activated, see Continances, water-activated, etc.											
Signals, smoke	1.1G	UN0196	II	1.1G	None	62	None	Forbidden	Forbidden	3	25
Signals, smoke	1.4G	UN0197	II	1.4G	None	62	None	Forbidden	75 kg	2	25
Signals, smoke	1.2G	UN0313	II	1.2G	None	62	None	Forbidden	Forbidden	3	25
Signals, smoke	1.3G	UN0487	II	1.3G	None	62	None	Forbidden	Forbidden	3	25
Signals, smoke	1.4S	UN0507	.....	1.4S	None	62	None	25 kg	100 kg	1	25
Silane	2.1	UN2203	.....	2.1	None	302	None	Forbidden	Forbidden	E	40, 57, 104
Silicofluoric acid, see Fluorosilicic acid.											
Silicon chloride, see Silicon tetrachloride.											
Silicon powder, amorphous	4.1	UN1346	III	4.1	None	213	240	25 kg	100 kg	A	74
Silicon tetrachloride	8	UN1818	II	8	None	202	242	Forbidden	30 L	C	40
Silicon tetrafluoride	2.3	UN1859	.....	2.3, 8	None	302	None	Forbidden	Forbidden	D	40
Silver acetylide (dry)	Forbidden										
Silver arsenite	6.1	UN1683	II	6.1	153	212	242	25 kg	100 kg	A	
Silver azide (dry)	Forbidden										
Silver chlorite (dry)	Forbidden										
Silver cyanide	6.1	UN1684	II	6.1	153	212	242	25 kg	100 kg	A	40, 52
Silver fulminate (dry)	5.1	UN1493	II	5.1	152	212	242	5 kg	25 kg	A	
Silver nitrate	Forbidden										
Silver oxalate (dry)	Forbidden										
Silver picrate (dry)	4.1	UN1347	I	4.1	None	211	None	Forbidden	Forbidden	D	28, 36
Silver picrate, wetted with not less than 30 percent water, by mass.	8	UN1906	II	8	None	202	242	Forbidden	30 L	C	14
Sludge, acid	4.1	NA3178	I	4.1	None	171	None	Forbidden	7.3 kg	A	
Smokeless powder for small arms (100 pounds or less).	8	UN1907	III	8	154	213	240	25 kg	100 kg	A	52.
Soda lime with more than 4 percent sodium hydroxide.											

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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)	
	Sodium	4.3	UN1428	I	4.3	A7, A8, A19, A20, B9, B48, B68, IB4, IP1, N34, T9, TP7, TP33, TP46	None	211	244	Forbidden	15 kg	D	52	
A	Sodium aluminate, solid	8	UN2812	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52	
	Sodium aluminate, solution	8	UN1819	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52	
	Sodium aluminum hydride	4.3	UN2835	II	4.3	IB3, T4, TP1	154	203	241	5 L	60 L	A	52	
	Sodium ammonium vanadate	6.1	UN2863	II	6.1	A8, A19, A20, IB4, T3, TP33	151	212	242	Forbidden	50 kg	E	52	
	Sodium arseniate	6.1	UN2473	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Sodium arsenate	6.1	UN1686	II	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Sodium arsenite, aqueous solutions	6.1	UN1686	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Sodium azide	6.1	UN2027	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
	Sodium bifluoride, see Sodium hydrodifluoride.													
	Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.													
Sodium borohydride	4.3	UN1426	I	4.3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	36, 52, 91		
Sodium borohydride and sodium hydroxide solution, with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass.	8	UN3320	II	8	IB8, IP2, IP4	153	212	242	25 kg	100 kg	A	36, 52, 91		
Sodium bromate	5.1	UN1494	III	8	B2, IB2, N34, T7, TP2	N40	None	211	242	Forbidden	15 kg	E	52	
Sodium cacodylate	6.1	UN1688	II	8	B2, IB2, N34, T7, TP2	N40	154	202	242	1 L	30 L	A	52	
Sodium carbonate peroxyhydrate	5.1	UN3378	II	5.1	B2, IB3, N34, T4, TP2		154	203	241	5 L	60 L	A	52	
.....			III	5.1	IB6, IP2, IP4, T3, TP33		152	212	242	5 kg	25 kg	A	56, 58	
.....			II	5.1	IB8, IP2, IP4, T3, TP33		153	212	242	25 kg	100 kg	A	52	
.....			II	5.1	B120, IB8, IP2, IP4, T3, TP33		152	212	240	5 kg	25 kg	A	13, 25, 75	
.....			III	5.1	B120, IB8, IP3, T1, TP33		152	213	240	25 kg	100 kg	A	13, 25, 75	
Sodium chlorate	5.1	UN1495	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33		152	212	240	5 kg	25 kg	A	56, 58	
Sodium chlorate, aqueous solution	5.1	UN2428	II	5.1	A2, IB2, T4, TP1		152	202	241	1 L	5 L	B	56, 58, 133	

		III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C.											
Sodium chlorite	5.1 UN1496	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	None	212	242	5 kg	25 kg	A	56, 58
Sodium chloroacetate	6.1 UN2659	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Sodium cuprocyanide, solid	6.1 UN2316	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40, 52
Sodium cuprocyanide, solution	6.1 UN2317	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	52
Sodium cyanide, solid	6.1 UN1689	I	6.1	B69, B77, IB7, N74, N75, T6, TP33	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	None	201	243	1 L	30 L	B	52
		II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	52
		III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	52
Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc.	1.3C UN0234	II	1.3C		None	62	None	Forbidden	Forbidden	4	25, 5E
Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass.	4.1 UN3369	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass.	4.1 UN1348	I	4.1, 6.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
Sodium dithionite or Sodium hydro-sulfite.	4.2 UN1384	II	4.2	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
Sodium fluoride, solid	6.1 UN1690	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Sodium fluoride solution	6.1 UN3415	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
Sodium fluoroacetate	6.1 UN2629	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
Sodium fluosilicate	6.1 UN2674	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Sodium hydrate, see Sodium hydroxide, solid.	4.3 UN1427	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
Sodium hydride	8 UN2439	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	12, 25, 40, 52
Sodium hydrosulfide, with less than 25 percent water of crystallization.	4.2 UN2318	II	4.2	A7, A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	52
Sodium hydrosulfide with not less than 25 percent water of crystallization.	8 UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	52
Sodium hydrosulfite, see Sodium dithionite.											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Sodium 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	154	202	242	1 L	30 L	A	52.
	<i>Sodium hypochlorite, solution, see Hypochlorite solutions etc.</i>						154	203	241	5 L	60 L	A	52.
	<i>Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.</i>												
	Sodium methylate	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33	None ..	212	242	15 kg	50 kg	B	
	Sodium methylate solutions in alcohol.	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	243	1 L	5 L	B	
	.....			III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
	Sodium monoxide	8	UN1825	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Sodium nitrate	5.1	UN1498	III	5.1	A1, A29, B120, IB8, IP3, 152	152	213	240	25 kg	100 kg	A	52.
	Sodium nitrate and potassium nitrate mixtures.	5.1	UN1499	III	5.1	A1, A29, B120, IB8, IP3, 152	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	B	13, 52, 66, 75
	Sodium peroxoborate, anhydrous	5.1	UN3247	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13, 25
	Sodium persulfate	5.1	UN1505	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	58, 145
	Sodium phosphide	4.3	UN1432	I	4.3, 6.1	..... A19, N40	None ..	211	None	Forbidden	15 kg	E	40, 52, 85
	Sodium picramate, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0235	II	1.3C ..	.....	None ..	62	None	Forbidden	Forbidden	4	25, 5E
	Sodium picramate, wetted with not less than 20 percent water, by mass.	4.1	UN1349	I	4.1	23, A8, A19, N41	None ..	211	None	Forbidden	15 kg	E	28, 36
	Sodium picryl peroxide	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Substances, explosive, n.o.s	1.2L	UN0358	II	1.2L		None	62	None	Forbidden	Forbidden	5	25, 14E, 15E, 25, 14E, 15E
G	Substances, explosive, n.o.s	1.3L	UN0359	II	1.3L		None	62	None	Forbidden	Forbidden	5	25, 14E, 15E, 25, 14E, 15E
G	Substances, explosive, n.o.s	1.1A	UN0473	II	1.1A	101, 111	None	62	None	Forbidden	Forbidden	5	25
G	Substances, explosive, n.o.s	1.1C	UN0474	II	1.1C	101	None	62	None	Forbidden	Forbidden	4	25
G	Substances, explosive, n.o.s	1.1D	UN0475	II	1.1D	101	None	62	None	Forbidden	Forbidden	4	25
G	Substances, explosive, n.o.s	1.1G	UN0476	II	1.1G	101	None	62	None	Forbidden	Forbidden	3	25
G	Substances, explosive, n.o.s	1.3C	UN0477	II	1.3C	101	None	62	None	Forbidden	Forbidden	4	25
G	Substances, explosive, n.o.s	1.3G	UN0478	II	1.3G	101	None	62	None	Forbidden	Forbidden	3	25
G	Substances, explosive, n.o.s	1.4C	UN0479	II	1.4C	101	None	62	None	Forbidden	75 kg	2	25
G	Substances, explosive, n.o.s	1.4D	UN0480	II	1.4D	101	None	62	None	Forbidden	75 kg	2	25
G	Substances, explosive, n.o.s	1.4S	UN0481	II	1.4S	101	None	62	None	Forbidden	25 kg	1	25
G	Substances, explosive, n.o.s	1.4G	UN0485	II	1.4G	101	None	62	None	Forbidden	75 kg	2	25
G	Substances, explosive, very insens-itive, n.o.s, or Substances, EVI, n.o.s.	1.5D	UN0482	II	1.5D	101	None	62	None	Forbidden	Forbidden	3	25
	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, flammable, flash point not less than 23 degrees C.	6.1	UN3013	III	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, 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, solid, toxic.	6.1	UN2779	II	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	III	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
	Substituted nitrophenol pesticides, solid, toxic.	6.1	UN2779	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40

	2.2	UN1982	2.2	2.2	None	302	None	75 kg	150 kg	A	
Tetrafluoromethane or Refrigerant gas R 14.	3	UN2498	III	3	150	203	None	60 L	220 L	A	
1,2,3,6-Tetrahydrobenzaldehyde	3	UN2056	II	3	None	202	242	5 L	60 L	A	
Tetrahydrofuran	3	UN2943	III	3	150	203	242	5 L	60 L	B	
Tetrahydrofuranylamine	3	UN2943	III	3	150	203	242	5 L	60 L	A	
Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride.	8	UN2698	III	8	154	213	240	25 kg	100 kg	A	
1,2,3,6-Tetrahydropyridine	3	UN2410	II	3	150	202	242	5 L	60 L	B	
Tetrahydrothiophene	3	UN2412	II	3	150	202	242	5 L	60 L	B	
Tetramethylammonium hydroxide, solid.	8	UN3423	II	8	154	213	240	15 kg	50 kg	A	52
Tetramethylammonium hydroxide solution.	8	UN1835	II	8	154	202	242	1 L	30 L	A	52
Tetramethylene dicarbamide	Forbidden		III	8	154	203	241	5 L	60 L	A	52
Tetramethylsilane	3	UN2749	I	3	None	201	243	Forbidden	30 L	D	
Tetranitro diglycerin	Forbidden		II	1.D	None	62	None	Forbidden	Forbidden	4	25
Tetranitroethane	1.D	UN0207	I	6.1	None	227	None	Forbidden	Forbidden	D	40, 6
Tetranitromethane	6.1	UN1510	I	5.1	None	227	None	Forbidden	Forbidden	D	
2,3,4,6-Tetranitrophenol	Forbidden		Forbidden								
2,3,4,6-Tetranitrophenyl methyl nitramine.	Forbidden		Forbidden								
2,3,4,6-Tetranitrophenyl nitramine	Forbidden		Forbidden								
Tetranitrosocinol (dry)	Forbidden		Forbidden								
2,3,5,6-Tetranitroso-1,4-dinitrobenzene.	Forbidden		Forbidden								
2,3,5,6-Tetranitroso nitrobenzene (dry).	Forbidden		Forbidden								
Tetrapropylorthitanate	3	UN2413	III	3	150	203	242	60 L	220 L	A	
Tetrazene, see Guanyl nitrosaminoguanyltetrazene.											
Tetrazine (dry)	Forbidden										
Tetrazole-1-acetic acid	1.4C	UN0407	II	1.4C	None	62	None	Forbidden	75 kg	2	25
1H-Tetrazole	1.1D	UN0504		1.1D	None	62	None	Forbidden	Forbidden	4	25, 5E
Tetrazolyl azide (dry)	Forbidden										
Tetyl, see											
Tinitrophenylmethylnitramine.	4.2	UN1857	III	4.2	151	213	240	Forbidden	Forbidden	A	
Textile waste, wet											
Thallium chlorate	5.1	UN2573	II	5.1	152	212	242	5 kg	25 kg	A	56, 58
Thallium compounds, n.o.s	6.1	UN1707	II	6.1	153	212	242	25 kg	100 kg	A	
Thallium nitrate	6.1	UN2727	II	6.1	153	212	242	5 kg	25 kg	A	
4-Thiapental	6.1	UN2785	III	6.1	153	203	241	60 L	220 L	D	25, 49
Thioacetic acid	3	UN2436	II	3	150	202	242	5 L	60 L	B	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2772	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3005	II	3, 6.1 6.1, 3	IB2, T11, TP13, TP27 T14, TP2, TP13	150	202	243	1 L	60 L	B	40
	Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	II	6.1	IB2, T11, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	III	6.1	IB3, T7, TP2, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A	40
	Thiocarbonylchloride, see Thiophosgene.												
	Thioglycol	6.1	UN2966	II	6.1	A7, B2, IB2, N34, T7, TP2	153	202	243	5 L	60 L	A	40
	Thioglycolic acid	8	UN1940	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	Thioloactic acid	6.1	UN2936	II	6.1	B6, B10, N34, T10, TP2, TP13	153	202	243	5 L	60 L	A	40
	Thionyl chloride	8	UN1836	I	8	2, B9, B14, B32, N33, N34, T20, TP2, TP13, TP38, TP45	None	201	243	Forbidden	Forbidden	C	40
	Thiophene	3	UN2414	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Thiophosgene	6.1	UN2474	I	6.1	A3, A7, B2, B8, B25, IB2, N34, T7, TP2	None	227	244	Forbidden	Forbidden	D	40, 52
	Thiophosphoryl chloride	8	UN1837	II	8	IB6, IP2, T3, TP33	None	202	242	Forbidden	30 L	C	40
	Thiourea dioxide	4.2	UN3341	II	4.2	IB8, IP3, T1, TP33	None	212	241	15 kg	50 kg	D	
	Tin chloride, fuming, see Stannic chloride, anhydrous.						None	213	241	25 kg	100 kg	D	
	Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous.						None	213	241	25 kg	100 kg	D	
	Tinctures, medicinal	3	UN1293	II	3	IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	203	242	60 L	220 L	A	74
4.2 UN3174	Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	III	4.2	B1, IB3, T2, TP1	None	213	241	25 kg	100 kg	A	
4.1 UN1871	Titanium disulphide	II	4.1	IB8, IP3, T1, TP33	None	212	241	15 kg	50 kg	E	
4.2 UN2546	Titanium hydride	I	4.2	A19, A20, IB4, N34, T3, TP33	None	211	242	Forbidden	Forbidden	D	
4.1 UN1352	Titanium powder, dry	II	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33	None	212	241	15 kg	50 kg	D	74
4.1 UN2878	Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	III	4.1	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D	
6.1 UN1838	Titanium sponge granules or Titanium sponge powders.	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33	None	212	240	15 kg	50 kg	E	
4.1 UN2878	Titanium tetrachloride	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	D	74
6.1 UN1838	Titanium trichloride mixtures	I	6.1, 8	2, B7, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
8 UN2869	Titanium trichloride mixtures	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	15 kg	50 kg	50 kg	A	40
4.2 UN2441	Titanium trichloride, pyrophoric or Titanium trichloride mixtures, pyrophoric.	III	8	A7, IB8, IP3, N34, T1, TP33	154	213	25 kg	100 kg	100 kg	A	40
3 UN1294	TNT, see Trinitrotoluene, etc.	I	4.2, 8	TP33	None	181	244	Forbidden	Forbidden	D	40
6.1 UN2078	Toluene	II	3	IB2, T4, TP1	150	202	5 L	60 L	60 L	B	
6.1 UN1708	Toluene disocyanate	II	6.1	IB2, T7, TP2, TP13	153	202	5 L	60 L	60 L	D	25, 40
6.1 UN1709	Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc.	II	6.1	IB8, IP2, IP4, T3, TP33	153	202	5 L	60 L	60 L	A	
6.1 UN3418	Toluidines, liquid	II	6.1	IB8, IP3, T1, TP33	153	213	25 kg	100 kg	100 kg	A	
2.4-Toluenediamine, solid or 2.4-Toluenediamine, solid.	2.4-Toluenediamine solution or 2.4-Toluenediamine solution.	III	6.1	IB3, T4, TP1	153	203	60 L	220 L	220 L	A	
Torpedoes, liquid fueled, with inert head.	Torpedoes, liquid fueled, with or without bursting charge.	II	1.3J			62	None	Forbidden	Forbidden	5	25, 23E
Torpedoes with bursting charge	Torpedoes with bursting charge	II	1.1J			62	None	Forbidden	Forbidden	5	25, 23E
1.1E UN0329	Torpedoes with bursting charge	II	1.1E			62	62	Forbidden	Forbidden	4	25
1.1F UN0330	Torpedoes with bursting charge	II	1.1F			62	None	Forbidden	Forbidden	5	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation 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	Torpedoes with bursting charge 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.	1.1D 6.1	UN0451 UN3488	I	1.1D .. 6.1, 3, 8.	..... 1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None ..	62	62	Forbidden Forbidden	Forbidden Forbidden	4 D	25 40, 125
G	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	
G	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	
G	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	
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-reactive, 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	40	

G	6.1	UN3386	I	6.1, 4.3.	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
G	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	21, 28, 40, 49
G	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	21, 28, 40, 49
G	6.1	UN3387	I	6.1, 5.1.	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
G	6.1	UN3388	I	6.1, 5.1.	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
G	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	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	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	0.5 L	2.5 L	A	
G	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L	A	
G	6.1	UN3287	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	A	
G	6.1	UN3287	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
G	6.1	UN2927	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	6.1	UN2927	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	B	40
G	6.1	UN2929	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L	B	40
G	6.1	UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	6.1	UN2929	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	I II	6.1 6.1	T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
							153	202	243	5 L	60 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1 5.1	IB3, T7, TP1, TP28 A4	None	201	241	60 L	220 L	A	40
							153	203	243	Forbidden	2.5 L	C	
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1 4.3	A4	None	201	243	Forbidden	1 L	E	40
							4.3	202	243	1 L	5 L	C	
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	I	6.1 4.3	IB7, T6, TP33	None	211	242	1 kg	25 kg	A	
							4.3	212	242	15 kg	50 kg	A	
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	I	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	A	
							153	212	242	5 kg	100 kg	A	
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	III	6.1 6.1, 8	IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	A	
							153	211	242	1 kg	25 kg	B	40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1 4.1	IB6, IP2, T3, TP33 IB6, T6, TP33	153	212	242	15 kg	50 kg	B	40
							4.1	211	242	1 kg	15 kg	B	
G	Toxic solids, organic, n.o.s.	6.1	UN2811	I	6.1	IB8, IP2, IP4, T3, TP33	None	212	242	15 kg	50 kg	B	
							153	211	242	5 kg	50 kg	B	
G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	I	6.1 5.1	IB8, IP3, T1, TP33 T6, TP33	153	213	240	25 kg	100 kg	B	
							153	211	242	1 kg	15 kg	C	
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	I	6.1 4.2	A5, T6, TP33	None	211	242	5 kg	15 kg	D	40
							4.2	212	242	15 kg	50 kg	D	40
G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	I	6.1 4.3	A5, T6, TP33	None	211	242	5 kg	15 kg	D	40
							4.3	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 (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
D	Trichlorobenzenes, liquid	6.1	UN2321	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Trichlorobutene	6.1	UN2322	II	6.1	IB2, T7, TP2	153	203	243	5 L	60 L	A	25, 40	
	1,1,1-Trichloroethane	6.1	UN2831	III	6.1	IB3, N36, T4, TP1	153	202	241	60 L	220 L	A	40	
	Trichloroethylene	6.1	UN1710	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40	
	Trichloroacetic acid, dry	5.1	UN2468	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13	
	Trichloromethyl perchlorate	Forbidden												
	Trichlorosilane	4.3	UN1295	I	4.3, 3, 8	N34, T14, TP2, TP7, TP13	None	201	244	Forbidden	Forbidden	D	21, 28, 40, 49, 100	
	Tricresyl phosphate with more than 3 percent ortho isomer	6.1	UN2574	II	6.1	A3, IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A		
	Triethyl phosphite	3	UN2323	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Triethylamine	3	UN1296	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52	
	Triethylenetetramine	8	UN2259	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	12, 40	
	Trifluoroacetic acid	8	UN2699	I	8	A3, A6, A7, B4, N3, N34, N36, T10, TP2	None	201	243	0.5 L	2.5 L	B	40	
	Trifluoroacetyl chloride	2.3	UN3057		2.3, 8	2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbidden	Forbidden	D	40	
Trifluorochloroethylene, stabilized	2.3	UN1082		2.3, 2.1	3, B14, T50	None	304	314, 315	Forbidden	Forbidden	D	40		
Trifluoromethane or Refrigerant gas R 23	2.2	UN1984		2.2		306	304	314	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	150 kg	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, refrigerated liquid	Forbidden													
Trisobutylene	3	UN2324	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A			
Trisopropyl borate	3	UN2616	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	40		
Trimethoxyisilane	6.1	NA9269	I	6.1, 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A			
Trimethyl borate	3	UN2416	II	3	2, B9, B14, B32, T20, TP4, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	E	40		
Trimethyl phosphite	3	UN2329	III	3	IB2, T7, TP1	150	202	242	5 L	60 L	B			
1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbidden				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) Identifi-cation 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>Trinitroethylnitrate</i>	Forbidden	UN0387	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25
	<i>Trinitrofluorenone</i>	1.1D											
	<i>Trinitromethane</i>	Forbidden											
	<i>1,3,5-Trinitrobenzophthalene</i>	Forbidden											
	<i>Trinitronaphthalene</i>	1.1D	UN0217	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25
	<i>Trinitrophenylene</i>	1.1D	UN0218	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25
	<i>Trinitrophenol</i> (picric acid), wetted, with not less than 10 percent water by mass.	4.1	UN3364	I	4.1	162, A8, A19, N41, N84	None ..	211	None	0.5 kg	0.5 kg	E	36
	<i>Trinitrophenol</i> , wetted with not less than 30 percent water, by mass.	4.1	UN1344	I	4.1	23, A8, A19, N41	None ..	211	None	1 kg	15 kg	E	28, 36
	<i>2,4,6-Trinitrophenyl guanidine (dry)</i> ..	Forbidden											
	<i>2,4,6-Trinitrophenyl nitramine</i>	Forbidden											
	<i>2,4,6-Trinitrophenyl trimethyl methyl nitramine trinitrate (dry)</i> .	Forbidden											
	<i>Trinitrophenylmethyl nitramine</i> or Tet-yl.	1.1D	UN0208	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25
	<i>Trinitroresorcinol</i> or Syphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass.	1.1D	UN0219	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25, 5E
	<i>Trinitroresorcinol</i> , wetted or Syphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass.	1.1D	UN0394	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25, 5E
	<i>2,4,6-Trinitroso-3-methyl nitraminoanisole</i> .	Forbidden											
	<i>Trinitrotetramine cobalt nitrate</i>	Forbidden											
	<i>Trinitrotoluene</i> and <i>Trinitrobenzene</i> mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Trinitrotoluene and hexanitrostilbene mixtures.	1.1D	UN0388	II	1.1D ..	.....	None ..	62	None	Forbidden	Forbidden	4	25

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Other	Notes		
1.1D UN0389	Trinitroloeuene mixtures containing Trinitrobenzene	II	1.1D	..	.....	None ..	62	None	Forbidden	4	25
1.1D UN0209	Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene.	II	1.1D	..	.....	None ..	62	None	Forbidden	4	25
4.1 UN3366	Trinitroloeuene or TNT, dry or wetted with less than 30 percent water, by mass.	I	4.1	.....	162, A8, A19, N41, N84	None ..	211 ..	None	0.5 kg	E	36
4.1 UN1356	Trinitroloeuene (TNT), wetted, with not less than 10 percent water by mass.	I	4.1	.....	23, A2, A8, A19, N41	None ..	211 ..	None	0.5 kg	E	28, 36
3 UN2260	Tripropylamine	III	3, 8	.....	B1, IB3, T4, TP1	150	203	242	5 L	A	40
3 UN2057	Tripropylene	III	3	.....	IB2, T4, TP1	150	203	242	5 L	B	
6.1 UN2501	Tris-(1-aziridinyl)phosphine oxide, solution.	III	3	.....	B1, IB3, T2, TP1	150	203	242	60 L	A	
	Tris-(1-aziridinyl)phosphine oxide, solution.	III	6.1	.....	IB2, T7, TP2	153	202	243	5 L	A	
	Tris, bis-bifluoroamino diethoxy propane (TVOA).	III	6.1	.....	IB3, T4, TP1	153	203	241	60 L	A	
1.1D UN0390	Trifluoroacetic acid	II	1.1D	..	.....	None	62	None	Forbidden	4	25
2.3 UN2196	Tungsten hexafluoride	III	2, 3, 8	.....	.....	None	338	None	Forbidden	D	40
3 UN1299	Turpentine	III	3	.....	2, N86	150	203	242	60 L	A	
3 UN1300	Turpentine substitute	I	3	.....	B1, IB3, T2, TP1	150	201	243	1 L	B	
		III	3	.....	T11, TP1, TP8, TP27	150	202	242	1 L	B	
		III	3	.....	IB2, T4, TP1	150	202	242	5 L	B	
		III	3	.....	B1, IB3, T2, TP1	150	203	242	60 L	A	
3 UN2330	Undecane	III	3	.....	B1, IB3, T2, TP1	150	203	242	60 L	A	
5.1 UN1511	Urea hydrogen peroxide	III	5.1, 8	.....	A1, A7, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	A	13
1.1D UN0220	Urea nitrate, dry or wetted with less than 20 percent water, by mass.	II	1.1D	..	119	None	62	None	Forbidden	10	
4.1 UN3370	Urea nitrate, wetted, with not less than 10 percent water, by mass.	I	4.1	.....	162, A8, A19, N41, N84	None ..	211 ..	None	0.5 kg	E	36
4.1 UN1357	Urea nitrate, wetted with not less than 20 percent water, by mass.	I	4.1	.....	23, 39, A8, A19, N41	None ..	211 ..	None	1 kg	E	28, 36
3 UN2058	Urea peroxide, see Urea hydrogen peroxide.	II	3	.....	IB2, T4, TP1	150	202	242	5 L	B	
8 UN2502	Valeraldehyde	II	8, 3	.....	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	243	1 L	C	40
6.1 UN3285	Valeryl chloride	I	6.1	.....	IB7, IP1, T6, TP33	None	211	242	5 kg	B	
		III	6.1	.....	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	B	
		III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	100 kg	C	
8 UN2443	Vanadium compound, n.o.s.	III	8	.....	A3, A6, A7, B2, B16, IB2, N34, T7, TP2	154	202	242	Forbidden	C	40
6.1 UN2862	Vanadium oxytrichloride	III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	100 kg	A	40
	Vanadium pentoxide, non-fused form	III	6.1	.....	.....	153	213	240	200 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Other (10B)	Loca-tion (10A)	
	Vanadium tetrachloride	8	UN2444	I	8	A3, A6, A7, B4, N34, T10, TP2	None	201	243	Forbiddn	2.5 L	C	40	
	Vanadium trichloride	8	UN2475	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40	
	Vanadyli sulfate	6.1	UN2931	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	Forbiddn	100 kg	A		
	Vehicle, flammable gas powered or powered, fuel cell, flammable gas powered	9	UN3166	.....	9	135, A200	220	220	220	Forbiddn	No limit	A	
	Vehicle, flammable liquid powered or powered, fuel cell, flammable liquid powered	9	UN3166	.....	9	135, A200	220	220	220	No limit	No limit	A	
	Very signal cartridge, see Cartridges, signal	3	UN1301	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Vinyl acetate, stabilized	2.1	UN1085	II	2.1	N86, T50	306	304	314	Forbiddn	150 kg	B	40	
	Vinyl bromide, stabilized	2.1	UN1086	II	2.1	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Vinyl butyrate, stabilized	2.1	UN1086	II	2.1	21, B44, N86, T50	306	304	314	Forbiddn	150 kg	B	40	
	Vinyl chloride, stabilized	2.1	UN1086	II	2.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	A3, T11, TP2	None	201	243	Forbiddn	1 L	D		
	Vinyl ethyl ether, stabilized	3	UN1302	I	3	N86	306	304	314	Forbiddn	150 kg	E	40	
	Vinyl fluoride, stabilized	2.1	UN1860	II	2.1	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Vinyl isobutyl ether, stabilized	3	UN1304	II	3	B44, T50	306	304	314	Forbiddn	150 kg	B	40	
	Vinyl methyl ether, stabilized	2.1	UN1087	II	2.1	.....	.....	.....	.....	.....	.....	.....	.....
	Vinyl nitrate polymer	Forbidden												
	Vinylidene chloride, stabilized	3	UN1303	I	3	T12, TP2, TP7	150	201	243	1 L	30 L	E	40	
	Vinylpyridines, stabilized	6.1	UN3073	II	6.1, 3, 8	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	B	21, 40, 52	
	Vinyltoluenes, stabilized	3	UN2618	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Vinyltrichlorosilane	3	UN1305	III	3, 8	A3, A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbiddn	5 L	B	40	
	Warheads, rocket with burster or ex-pelling charge	1.4D	UN0370	II	1.4D	.....	None	62	62	Forbiddn	75 kg	2	25
	Warheads, rocket with burster or ex-pelling charge	1.4F	UN0371	II	1.4F	.....	None	62	62	Forbiddn	Forbiddn	5	25
	Warheads, rocket with bursting charge	1.1D	UN0286	II	1.1D	.....	None	62	62	Forbiddn	Forbiddn	4	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 A1 W	White acid, see Hydrofluoric acid. White asbestos (<i>chrysotile, actinolite, anthophyllite, tremolite</i>).	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	240	200 kg	200 kg	A	34, 40
	Wood preservatives, liquid	3	UN1306	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	40
	Wool waste, wet	4.2	UN1387	III	4.2	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
							151	213	240	Forbidden	Forbidden	A	
	Xanthates	4.2	UN3342	II	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	D	40
	Xenon, compressed	2.2	UN2036	III	2.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D	40
	Xenon, refrigerated liquid (<i>cryogenic liquids</i>).	2.2	UN2591	2.2	2.2	T75, TP5	306, 307	302	None	75 kg	150 kg	A	
	Xylenes	3	UN1307	II	3	IB2, T4, TP1	320	None	None	50 kg	500 kg	D	
	Xylenols, solid	6.1	UN2261	III	3	B1, IB3, T2, TP1	150	202	242	5 L	60 L	B	
	Xylenols, liquid	6.1	UN3430	II	6.1	IB8, IP2, IP4, T3, TP33	150	203	242	60 L	220 L	A	
Xyldines, liquid	6.1	UN1711	II	6.1	IB2, T7, TP2	153	212	242	25 kg	100 kg	A		
Xyldines, solid	6.1	UN3452	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
Xylyl bromide, liquid	6.1	UN1701	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Xylyl bromide, solid	6.1	UN3417	II	6.1	A3, A6, A7, IB2, N33, T7, TP2, TP13	None	340	None	Forbidden	60 L	D	40	
<i>p</i> -Xylyl diazide	Forbidden				A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	None	340	None	25 kg	100 kg	B	40	
Zinc ammonium nitrite	5.1	UN1512	II	5.1	IB8, IP4, T3, TP33	None	212	242	5 kg	25 kg	E		
Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures.	6.1	UN1712	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Zinc ashes	4.3	UN1435	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A		
Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	5.1	UN2469	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58	
Zinc bromate	5.1	UN1513	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
Zinc chlorate	8	UN2331	III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A		
Zinc chloride, anhydrous	8	UN1840	III	8	IB3, T4, TP1	154	203	241	25 kg	100 kg	A		
Zinc chloride, solution							203	241	5 L	60 L	A		

Zinc cyanide	6.1	UN1713	I	6.1	IB7, IP1, T6, TP33	None ..	211 ..	242 ..	5 kg	50 kg	A	52
Zinc dithionite or Zinc hydrosulfite	9	UN1931	III	None	IB8, IP3, T1, TP33	155	204 ..	240 ..	100 kg	200 kg	A	49
Zinc fluorosilicate	6.1	UN2855	III	6.1	IB8, IP3, T1, TP33	153	213 ..	240 ..	100 kg	200 kg	A	52
Zinc hydrosulfite, see Zinc dithionite.												
Zinc muriate solution, see Zinc chloride, solution.												
Zinc nitrate	5.1	UN1514	II	5.1	IB8, IP2, IP4, T3, TP33	152	212 ..	240 ..	5 kg	25 kg	A	56, 58, 138
Zinc permanganate	5.1	UN1515	II	5.1	IB6, IP2, T3, TP33	152	212 ..	242 ..	5 kg	25 kg	D	13, 52, 66, 75
Zinc peroxide	5.1	UN1516	II	5.1	IB6, IP2, T3, TP33	152	212 ..	242 ..	5 kg	25 kg	A	40, 52, 85
Zinc phosphide	4.3	UN1714	I	4.3, 6.1	A19, N40	None ..	211 ..	None	Forbidden	15 kg	E	52, 53
Zinc powder or Zinc dust	4.3	UN1436	I	4.3, 4.2	A19, IB4, IP1, N40	None ..	211 ..	242 ..	Forbidden	15 kg	A	52, 53
.....			II	4.3, 4.2	A19, IB7, IP2, T3, TP33	None ..	212 ..	242 ..	15 kg	50 kg	A	52, 53
.....			III	4.3, 4.2	IB8, IP4, T1, TP33	None ..	213 ..	242 ..	25 kg	100 kg	A	52, 53
.....			III	4.2	A1, IB6, T1, TP33	151	213 ..	240 ..	25 kg	100 kg	A	
Zinc resinat	4.1	UN2714	III	4.1								
Zinc selenate, see Selenates or Selenites.												
Zinc selenite, see Selenates or Selenites.												
Zinc silicofluoride, see Zinc fluorosilicate.												
Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns).	4.1	UN2858	III	4.1	A1	151	213 ..	240 ..	25 kg	100 kg	A	
Zirconium, dry, finished sheets, strip or coiled wire.	4.2	UN2009	III	4.2	A1, A19	None ..	213 ..	240 ..	25 kg	100 kg	D	
Zirconium hydride	4.1	UN1437	II	4.1	A19, A20, IB4, N34, T3, TP33	None ..	212 ..	240 ..	15 kg	50 kg	E	
Zirconium nitrate	5.1	UN2728	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213 ..	240 ..	25 kg	100 kg	A	
Zirconium picramate, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0236	II	1.3C ..		None ..	62	None	Forbidden	Forbidden	4	25, 5E
Zirconium picramate, wetted with not less than 20 percent water, by mass.	4.1	UN1517	I	4.1	23, N41	None ..	211 ..	None	1 kg	15 kg	D	28, 36
Zirconium powder, dry	4.2	UN2008	I	4.2	T21, TP7, TP33	None ..	211 ..	242 ..	Forbidden	Forbidden	D	
.....			II	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33	None ..	212 ..	241 ..	15 kg	50 kg	D	
.....			III	4.2	IB8, IP3, T1, TP33	None ..	213 ..	241 ..	25 kg	100 kg	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Zirconium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	4.1	UN1358	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33	None ...	212 ...	241 ...	15 kg	50 kg	E	74
	Zirconium scrap	4.2	UN1932	III	4.2	IB8, IP3, N34, T1, TP33	None ...	213 ...	240 ...	Forbidden	Forbidden	D	
	Zirconium suspended in a liquid	3	UN1308	I 3	3		None ...	201 ...	243 ...	Forbidden	Forbidden	B	
	Zirconium tetrachloride	8	UN2503	III 3	3		None ...	202 ...	242 ...	5 L	60 L	B	
				III 8	8		150	203 ...	242 ...	60 L	220 L	B	
							154	213 ...	240 ...	25 kg	100 kg	A	

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

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

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

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

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

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

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

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

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

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

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

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Antimony ϵ	5000 (2270)
Antimony pentachloride	1000 (454)
Antimony potassium tartrate	100 (45.4)
Antimony tribromide	1000 (454)
Antimony trichloride	1000 (454)
Antimony trifluoride	1000 (454)
Antimony trioxide	1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	1 (0.454)
Aroclor 1016	1 (0.454)
Aroclor 1221	1 (0.454)
Aroclor 1232	1 (0.454)
Aroclor 1242	1 (0.454)
Aroclor 1248	1 (0.454)
Aroclor 1254	1 (0.454)
Aroclor 1260	1 (0.454)
Aroclors	1 (0.454)
Arsenic ϵ	1 (0.454)
Arsenic acid H_3AsO_4	1 (0.454)
Arsenic disulfide	1 (0.454)
Arsenic oxide As_2O_3	1 (0.454)
Arsenic oxide As_2O_5	1 (0.454)
Arsenic pentoxide	1 (0.454)
Arsenic trichloride	1 (0.454)
Arsenic trioxide	1 (0.454)
Arsenic trisulfide	1 (0.454)
Arsine, diethyl-	1 (0.454)
Arsinic acid, dimethyl-	1 (0.454)
Arsonous dichloride, phenyl-	1 (0.454)
Asbestos $\epsilon\epsilon$	1 (0.454)
Auramine	100 (45.4)
Azaserine	1 (0.454)
Aziridine	1 (0.454)
Aziridine, 2-methyl-	1 (0.454)
Azirino[2,3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8alpha, 8balpha)]-	10 (4.54)
Barban	10 (4.54)
Barium cyanide	10 (4.54)
Bendiocarb	100 (45.4)
Bendiocarb phenol	1000 (454)
Benomyl	10 (4.54)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[c]acridine	100 (45.4)
Benzal chloride	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Benz[a]anthracene	10 (4.54)
1,2-Benzanthracene	10 (4.54)
Benz[a]anthracene, 7,12-dimethyl-	1 (0.454)
Benzenamine	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	100 (45.4)
Benzenamine, 4-chloro-	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)
Benzenamine, 2-methyl-	100 (45.4)
Benzenamine, 4-methyl-	100 (45.4)
Benzenamine, 4,4'-methylenebis[2-chloro-	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	100 (45.4)
Benzenamine, 4-nitro-	5000 (2270)
Benzene	10 (4.54)
Benzenoacetic acid, 4-chloro- α -(4-chlorophenyl)- α -hydroxy-, ethyl ester	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	100 (45.4)
Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)
Benzene, chloro-	100 (45.4)
Benzene, (chloromethyl)-	100 (45.4)
Benzenediamine, ar-methyl-	10 (4.54)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	5000 (2270)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Isoprene	100 (45.4)
Isopropanolamine dodecylbenzenesulfonate	1000 (454)
3-Isopropylphenyl N-methylcarbamate	10 (4.54)
Isosafrole	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	1000 (454)
Kepona	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)
Octamethylpyrophosphoramide	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(dimethylcarbamidithioato-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—Continued

TABLE 2 TO APPENDIX A—RADIONUCLIDES					
(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)	(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Actinium-224	89	100 (3.7)	Antimony-118m	51	10 (.37)
Actinium-225	89	1 (.037)	Antimony-119	51	1000 (37)
Actinium-226	89	10 (.37)	Antimony-120 (16 min)	51	1000 (37)
Actinium-227	89	0.001 (.00037)	Antimony-120 (5.76 day)	51	10 (.37)
Actinium-228	89	10 (.37)	Antimony-122	51	10 (.37)
Aluminum-26	13	10 (.37)	Antimony-124	51	10 (.37)
Americium-237	95	1000 (37)	Antimony-124m	51	1000 (37)
Americium-238	95	100 (3.7)	Antimony-125	51	10 (.37)
Americium-239	95	100 (3.7)	Antimony-126	51	10 (.37)
Americium-240	95	10 (.37)	Antimony-126m	51	1000 (37)
Americium-241	95	0.01 (.00037)	Antimony-127	51	10 (.37)
Americium-242	95	100 (3.7)	Antimony-128 (10.4 min)	51	1000 (37)
Americium-242m	95	0.01 (.00037)	Antimony-128 (9.01 hr)	51	10 (.37)
Americium-243	95	0.01 (.00037)	Antimony-129	51	100 (3.7)
Americium-244	95	10 (.37)	Antimony-130	51	100 (3.7)
Americium-244m	95	1000 (37)	Antimony-131	51	1000 (37)
Americium-245	95	1000 (37)	Argon-39	18	1000 (37)
Americium-246	95	1000 (37)	Argon-41	18	10 (.37)
Americium-246m	95	1000 (37)	Arsenic-69	33	1000 (37)
Antimony-115	51	1000 (37)	Arsenic-70	33	100 (3.7)
Antimony-116	51	1000 (3.7)	Arsenic-71	33	100 (3.7)
Antimony-116m	51	100 (3.7)	Arsenic-72	33	10 (.37)
Antimony-117	51	1000 (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 Num- ber	(3)—Reportable Quantity (RQ) Ci (TBq)
Tantalum-174	73	100 (3.7)
Tantalum-175	73	100 (3.7)
Tantalum-176	73	10 (.37)
Tantalum-177	73	1000 (37)
Tantalum-178	73	1000 (37)
Tantalum-179	73	1000 (37)
Tantalum-180	73	100 (3.7)
Tantalum-180m	73	1000 (37)
Tantalum-182	73	10 (.37)
Tantalum-182m	73	1000 (37)
Tantalum-183	73	100 (3.7)
Tantalum-184	73	10 (.37)
Tantalum-185	73	1000 (37)
Tantalum-186	73	1000 (37)
Technetium-101	43	1000 (37)
Technetium-104	43	1000 (37)
Technetium-93	43	100 (3.7)
Technetium-93m	43	1000 (37)
Technetium-94	43	10 (.37)
Technetium-94m	43	100 (3.7)
Technetium-96	43	10 (.37)
Technetium-96m	43	1000 (37)
Technetium-97	43	100 (3.7)
Technetium-97m	43	100 (3.7)
Technetium-98	43	10 (.37)
Technetium-99	43	10 (.37)
Technetium-99m	43	100 (3.7)
Tellurium-116	52	1000 (37)
Tellurium-121	52	10 (.37)
Tellurium-121m	52	10 (.37)
Tellurium-123	52	10 (.37)
Tellurium-123m	52	10 (.37)
Tellurium-125m	52	10 (.37)
Tellurium-127	52	1000 (37)
Tellurium-127m	52	10 (.37)
Tellurium-129	52	1000 (37)
Tellurium-129m	52	10 (.37)
Tellurium-131	52	1000 (37)
Tellurium-131m	52	10 (.37)
Tellurium-132	52	10 (.37)
Tellurium-133	52	1000 (37)
Tellurium-133m	52	1000 (37)
Tellurium-134	52	1000 (37)
Terbium-147	65	100 (3.7)
Terbium-149	65	100 (3.7)
Terbium-150	65	100 (3.7)
Terbium-151	65	10 (.37)
Terbium-153	65	100 (3.7)
Terbium-154	65	10 (.37)
Terbium-155	65	100 (3.7)
Terbium-156	65	10 (.37)
Terbium-156m (24.4 hr)	65	1000 (37)
Terbium-156m (5.0 hr)	65	1000 (37)
Terbium-157	65	100 (3.7)
Terbium-158	65	10 (.37)
Terbium-160	65	10 (.37)
Terbium-161	65	100 (3.7)
Thallium-194	81	1000 (37)
Thallium-194m	81	100 (3.7)
Thallium-195	81	100 (3.7)
Thallium-197	81	100 (3.7)
Thallium-198	81	10 (.37)
Thallium-198m	81	100 (3.7)
Thallium-199	81	100 (3.7)
Thallium-200	81	10 (.37)
Thallium-201	81	1000 (37)
Thallium-202	81	10 (.37)
Thallium-204	81	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

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

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

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

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

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

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

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

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

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

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

LIST OF MARINE POLLUTANTS

S.M.P. (1)	Marine pollutant (2)
	Acetone cyanohydrin, stabilized
	Acetylene tetrabromide
	Acetylene tetrachloride
	Acraldehyde, inhibited
	Acrolein, inhibited
	Acrolein, 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)
	Allyl bromide
	ortho-Aminoanisole

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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Aminocarb
	Ammonium dinitro-o-cresolate
PP	n-Amylbenzene
PP	Azinphos-ethyl
	Azinphos-methyl
	Barium cyanide
	Bendiocarb
	Benomyl
	Benquinox
	Benzyl chlorocarbonate
	Benzyl chloroformate
PP	Binapacryl
	<i>N,N-Bis</i> (2-hydroxyethyl) oleamide (LOA)
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocycane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxynil
	Butanedione
	2-Butenal, stabilized
	Butyl benzyl phthalate
	<i>N-tert</i> -butyl- <i>N</i> -cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
PP	2,4-Di- <i>tert</i> -butylphenol
	2, 6-Di- <i>tert</i> -Butylphenol
PP	para-tertiary-butyltoluene
	Cadmium compounds
	Cadmium sulphide
	Calcium arsenate
	Calcium arsenate and calcium arsenite, mixtures, solid
PP	Calcium cyanide
	Camphchlor
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
	Carbon tetrachloride
PP	Carbophenothion
	Cartap hydrochloride
PP	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

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Chloropicrin
	alpha-Chloropropylene
	Chlorotoluenes (meta-;para-)
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
	Coumachlor
PP	Coumaphos
PP	Cresyl diphenyl phosphate
	Crotonaldehyde, stabilized
	Crotonic aldehyde, stabilized
	Crotoxyphos
	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
	Cyanogen chloride, inhibited
	Cyanogen chloride, stabilized
	Cyanophos
PP	1,5,9-Cyclododecatriene
PP	Cyhexatin
PP	Cyrenes (o-;m-;p-)
PP	Cypermethrin
	Decyl acrylate
PP	DDT
	Decyloxytetrahydrothiophene dioxide
	DEF
	Desmedipham
	Di-allate
	Di-n-Butyl phthalate
PP	Dialifos
	4,4'-Diaminodiphenylmethane
PP	Diazinon
	1,3-Dibromobenzene
PP	Dichlofenthion
	Dichloroanilines
	1,3-Dichlorobenzene
	1,4-Dichlorobenzene
	Dichlorobenzene (meta-; para-)
	2,2-Dichlorodiethyl ether
	Dichlorodimethyl ether, symmetrical
	Di-(2-chloroethyl) ether
	1,1-Dichloroethylene, inhibited
	1,6-Dichlorohexane
	Dichlorophenyltrichlorosilane
	Dichlorvos
PP	Diclofop-methyl
	Dicrotophos
PP	Dieldrin
	Diisopropylbenzenes
	Diisopropylthalenes, mixed isomers
PP	Dimethoate
PP	N,N-Dimethyldodecylamine
	Dimethylhydrazine, symmetrical
	Dimethylhydrazine, unsymmetrical
	Dinitro-o-cresol, solid
	Dinitro-o-cresol, solution

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
	Dinitrochlorobenzenes, liquid or solid	PP	Hexachlorobutadiene
	Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>	PP	1,3-Hexachlorobutadiene
	Dinitrophenol solutions		Hexaethyl tetraphosphate <i>liquid</i>
	Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>		Hexaethyl tetraphosphate, <i>solid</i>
	Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i>		normal-Hexyl chloride
	Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>		n-Hexylbenzene
	Dinobuton		Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water
	Dinoseb		Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material
	Dinoseb acetate		Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Dioxacarb		Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>
	Dioxathion		Hydrogen cyanide, stabilized <i>with less than 3% water</i>
	Dipentene		Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
	Diphacinone		Hydroxydimethylbenzenes, liquid or solid
	Diphenyl		Ioxynil
PP	Diphenylamine chloroarsine		Isobenzan
PP	Diphenylchloroarsine, solid or liquid		Isobutyl butyrate
	Disulfoton		Isobutylbenzene
	1,4-Di-tert-butylbenzene		Isodecyl acrylate
	DNOC		Isodecyl diphenyl phosphate
	DNOC (pesticide)		Isofenphos
	Dodecyl diphenyl oxide disulphonate		Isooctyl nitrate
PP	Dodecyl hydroxypropyl sulfide		Isoproc carb
	1-Dodecylamine		Isotetramethylbenzene
PP	Dodecylphenol		Isoxathion
	Drazoxolon	PP	Lead acetate
	Edifenphos		Lead arsenates
PP	Endosulfan		Lead arsenites
PP	Endrin		Lead compounds, soluble, n.o.s.
	Epibromohydrin		Lead cyanide
	Epichlorohydrin		Lead nitrate
PP	EPN		Lead perchlorate, solid or solution
PP	Esfenvalerate		Lead tetraethyl
PP	Ethion		Lead tetramethyl
	Ethoprophos		Lindane
	Ethyl fluid		Linuron
	Ethyl mercaptan		London Purple
	2-Ethylhexyl nitrate	PP	Magnesium arsenate
	2-Ethyl-3-propylacrolein		Malathion
	Ethyl tetraphosphate		Mancozeb (ISO)
	Ethylchloroarsine		Maneb
	Ethylene dibromide and methyl bromide mixtures, liquid		Maneb preparations <i>with not less than 60% maneb</i>
	2-Ethylhexaldehyde		Maneb preparation, stabilized against self-heating
	Fenamiphos		Maneb stabilized or Maneb preparations, stabilized <i>against self-heating</i>
PP	Fenbutatin oxide		Manganese ethylene-1,2-bis dithiocarbamate
PP	Fenchlorazole-ethyl		Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating
PP	Fenitrothion		Mecarbam
PP	Fenoxapro-ethyl		Mephosfolan
PP	Fenoxaprop-P-ethyl		Mercaptodimethur
PP	Fenpropathrin		Mercuric acetate
	Fensulfothion		Mercuric ammonium chloride
	Fenthion		Mercuric arsenate
PP	Fentin acetate	PP	Mercuric benzoate
PP	Fentin hydroxide	PP	Mercuric bisulphate
	Ferric arsenate	PP	Mercuric bromide
	Ferric arsenite	PP	Mercuric chloride
	Ferrous arsenate	PP	Mercuric cyanide
PP	Fonofos	PP	Mercuric gluconate
	Formetanate	PP	Mercuric iodide
PP	Furathiocarb (ISO)	PP	Mercuric nitrate
PP	gamma-BHC	PP	Mercuric oleate
	Gasoline, leaded	PP	Mercuric oxide
PP	Heptachlor	PP	Mercuric oxycyanide, desensitized
	Heptenophos		
	n-Heptaldehyde		
	n-Heptylbenzene		
	normal-Heptyl chloride		

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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Mercuric potassium cyanide
PP	Mercuric Sulphate
PP	Mercuric thiocyanate
PP	Mercuriol
PP	Mercurous acetate
PP	Mercurous bisulphate
PP	Mercurous bromide
PP	Mercurous chloride
PP	Mercurous nitrate
PP	Mercurous salicylate
PP	Mercurous sulphate
PP	Mercury acetates
PP	Mercury ammonium chloride
PP	Mercury based pesticide, liquid, flammable, toxic
PP	Mercury based pesticides, liquid, toxic, flammable
PP	Mercury based pesticides, liquid, toxic
PP	Mercury based pesticides, solid, toxic
PP	Mercury benzoate
PP	Mercury bichloride
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)
PP	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
	Metam-sodium
	Methamidophos
	Methanethiol
	Methidathion
	Methomyl
	ortho-Methoxyaniline
	Methyl bromide and ethylene dibromide mixtures, liquid
	Methyl mercaptan
	3-Methylacroleine, stabilized
	Methylchlorobenzenes
	Methylnitrophenols
	3-Methylpyradine
	Methyltrithion
	Methylvinylbenzenes, inhibited
PP	Mevinphos
	Mexacarbate
	Mirex
	Monocrotophos
	Motor fuel anti-knock mixtures
	Motor fuel anti-knock mixtures or compounds
	Nabam
	Naled
PP	Nickel carbonyl
PP	Nickel cyanide
PP	Nickel tetracarbonyl
	3-Nitro-4-chlorobenzotrifluoride
	Nitrobenzene
	Nitrobenzotrifluorides, liquid or solid
	Nonylphenol
	normal-Octaldehyde
	Oleylamine
PP	Organotin compounds, liquid, n.o.s.
PP	Organotin compounds (pesticides)

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Organotin compounds, solid, n.o.s.
PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C
PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.
PP	Organotin pesticides, liquid, toxic, n.o.s.
PP	Organotin pesticides, solid, toxic, n.o.s.
	Orthoarsenic acid
PP	Osmium tetroxide
	Oxamyl
	Oxydisulfoton
	Paraoxon
PP	Parathion
PP	Parathion-methyl
PP	PCBs.
	Pentachloroethane
PP	Pentachlorophenol
	Pentalin
	n-Pentylbenzene
	Perchloroethylene
	Perchloromethylmercaptan
	Petrol, leaded
PP	Phenarsazine chloride
	d-Phenothrin
PP	Phenthoate
	1-Phenylbutane
	2-Phenylbutane
	Phenylcyclohexane
PP	Phenylmercuric acetate
PP	Phenylmercuric compounds, n.o.s.
PP	Phenylmercuric hydroxide
PP	Phenylmercuric nitrate
PP	Phorate
PP	Phosalone
	Phosmet
PP	Phosphamidon
PP	Phosphorus, white, molten
PP	Phosphorus, white or yellow dry or under water or in solution
PP	Phosphorus white, or yellow, molten
PP	Phosphorus, yellow, molten
	Pindone (and salts of)
	Pirimicarb
PP	Pirimiphos-ethyl
PP	Polychlorinated biphenyls
PP	Polyhalogenated biphenyls, liquid or Terphenyls liquid
PP	Polyhalogenated biphenyls, solid or Terphenyls, solid
PP	Potassium cuprocyanide
	Potassium cyanide, solid
	Potassium cyanide, solution
PP	Potassium cyanocuprate (I)
PP	Potassium cyanomercurate
PP	Potassium mercuric iodide
	Promecarb
	Propachlor
	Propaphos
	Propenal, inhibited
	Propoxur
	Prothoate
	Prussic acid, anhydrous, stabilized
	Prussic acid, anhydrous, stabilized, absorbed in a porous inert material
PP	Pyrazophos
	Quinalphos
PP	Quizalofop
PP	Quizalofop-p-ethyl
	Rotenone
	Salithion
PP	Silafluofen
	Silver arsenite

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Silver cyanide
	Silver orthoarsenite
PP	Sodium copper cyanide, solid
PP	Sodium copper cyanide solution
PP	Sodium cuprocyanide, solid
PP	Sodium cuprocyanide, solution
	Sodium cyanide, solid
	Sodium cyanide, solution
	Sodium dinitro-o-cresolate, <i>dry or wetted with less than 15 per cent water, by mass</i>
	Sodium dinitro-ortho-cresolate, <i>wetted with not less than 15 per cent water, by mass</i>
PP	Sodium pentachlorophenate
	Strychnine or Strychnine salts
PP	Sulfotep
	Sulprophos
	Tallow nitrile
	Temephos
	TEPP
PP	Terbufos
	Tetrabromoethane
	Tetrabromomethane
	1,1,2,2-Tetrachloroethane
	Tetrachloroethylene
	Tetrachloromethane
	Tetraethyl dithiopyrophosphate
PP	Tetraethyl lead, liquid
	Tetramethrin
	Tetramethyllead
	Thallium chlorate
	Thallium compounds, n.o.s.
	Thallium compounds (pesticides)
	Thallium nitrate
	Thallium sulfate
	Thallos chlorate
	Thiocarbonyl tetrachloride
	Triaryl phosphates, isopropylated
PP	Triaryl phosphates, n.o.s.
	Triazophos
	Tribromomethane
PP	Tributyltin compounds
	Trichlorfon
PP	1,2,3-Trichlorobenzene
	Trichlorobenzenes, liquid
	Trichlorobutene
	Trichlorobutylene
	Trichloromethane sulphuryl chloride
	Trichloromethyl sulphochloride
	Trichloronat
	Tricresyl phosphate (less than 1% ortho-isomer)
PP	Tricresyl phosphate, not less than 1% ortho-isomer but not more than 3% orthoisomer
PP	Tricresyl phosphate with more than 3 per cent ortho isomer
	Triethylbenzene
	Triisopropylated phenyl phosphates
	Trimethylene dichloride
PP	Triphenylphosphate
	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates
PP	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates
PP	Triphenyltin compounds
	Tritolyl phosphate (less than 1% ortho-isomer)
PP	Tritolyl phosphate (not less than 1% ortho-isomer)
	Trixylenyl phosphate
	Vinylidene chloride, stabilized
	Warfarin (and salts of)
PP	White phosphorus, dry

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	White phosphorus, wet
	White spirit, low (15-20%) aromatic
PP	Yellow phosphorus, dry
PP	Yellow phosphorus, wet
	Zinc bromide
	Zinc cyanide

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

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

§ 172.102 Special provisions.

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

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

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

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

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

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