

172.822 Limitation on actions by states, local governments, and Indian tribes.

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

APPENDIX B TO PART 172—TREFOIL SYMBOL

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

APPENDIX D TO PART 172—RAIL RISK ANALYSIS FACTORS

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

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

Subpart A—General

§ 172.1 Purpose and scope.

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

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

§ 172.3 Applicability.

(a) This part applies to—

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

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

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

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

Subpart B—Table of Hazardous Materials and Special Provisions

§ 172.101 Purpose and use of hazardous materials table.

(a) The Hazardous Materials Table (Table) in this section designates the materials listed therein as hazardous materials for the purpose of transportation of those materials. For each listed material, the Table identifies the

hazard class or specifies that the material is forbidden in transportation, and gives the proper shipping name or directs the user to the preferred proper shipping name. In addition, the Table specifies or references requirements in this subchapter pertaining to labeling, packaging, quantity limits aboard aircraft and stowage of hazardous materials aboard vessels.

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

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

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

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

(4) The letter “G” identifies proper shipping names for which one or more

technical names of the hazardous material must be entered in parentheses, in association with the basic description. (See §172.203(k).)

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

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

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

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters. Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the IMDG Code. For example “aluminum” may be spelled “aluminium” and “sulfur” may be spelled “sulphur”. However, the word “inflammable” may not be used in place of the word “flammable”.

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

materials description “Articles, pressurized pneumatic or hydraulic,” either “Articles, pressurized pneumatic” or “Articles, pressurized hydraulic” may be used as the proper shipping name.

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

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

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

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

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

(8) Use of the word “liquid” or “solid”. The word “liquid” or “solid” may be added to a proper shipping name when a hazardous material specifically listed by name may, due to differing physical states, be a liquid or solid. When the packaging specified in

Column 8 is inappropriate for the physical state of the material, the table provided in paragraph (i)(4) of this section should be used to determine the appropriate packaging section.

(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

§ 172.101

49 CFR Ch. I (10–1–14 Edition)

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 pro-

visions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in association with the proper shipping name.

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

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

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

(14) A proper shipping name that describes all isomers of a material may be used to identify any isomer of that material if the isomer meets criteria for the same hazard class or division, subsidiary risk(s) and packing group, unless the isomer is specifically identified in the Table.

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

(16) Unless it is already included in the proper shipping name in the § 172.101 Table, the qualifying words “liquid” or “solid” may be added in association with the proper shipping name when a hazardous material specifically listed by name in the § 172.101 Table may, due to the differing physical states of the various isomers of the material, be either a liquid or a solid (for example “Dinitrotoluenes, liquid” and “Dinitrotoluenes, solid”). Use of

the words “liquid” or “solid” is subject to the limitations specified for the use of the words “mixture” or “solution” in paragraph (c)(10) of this section. The qualifying word “molten” may be added in association with the proper shipping name when a hazardous material, which is a solid in accordance with the definition in §171.8 of this subchapter, is offered for transportation in the molten state (for example, “Alkylphenols, solid, n.o.s., molten”).

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

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

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

(3) A basic description of each hazard class and the section reference for class definitions appear in §173.2 of this subchapter.

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

(e) *Column 4: Identification number.* Column 4 lists the identification number assigned to each proper shipping name. Those preceded by the letters “UN” are associated with proper shipping names considered appropriate for international transportation as well as domestic transportation. Those preceded by the letters “NA” are associated with proper shipping names not recognized for international transportation, except to and from Canada. Identification numbers in the “NA9000” series are associated with proper shipping names not appropriately covered

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

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. 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

§ 172.101

49 CFR Ch. I (10–1–14 Edition)

in addition to that specified in Column 6. No label is required for a material classed as a combustible liquid or for a Class 3 material that is reclassified as a combustible liquid. For “Empty” label

requirements, see §173.428 of this subchapter. The codes contained in Column 6 are defined according to the following table:

LABEL SUBSTITUTION TABLE

Label code	Label name
1	Explosive
1.1 ¹	Explosive 1.1 ¹
1.2 ¹	Explosive 1.2 ¹
1.3 ¹	Explosive 1.3 ¹
1.4 ¹	Explosive 1.4 ¹
1.5 ¹	Explosive 1.5 ¹
1.6 ¹	Explosive 1.6 ¹
2.1	Flammable Gas
2.2	Non-Flammable Gas
2.3	Poison Gas
3	Flammable Liquid
4.1	Flammable Solid
4.2	Spontaneously Combustible
4.3	Dangerous When Wet
5.1	Oxidizer
5.2	Organic Peroxide
6.1 (inhalation hazard, Zone A or B).	Poison Inhalation Hazard
6.1 (other than inhalation hazard, Zone A or B) ² .	Poison
6.2	Infectious substance
7	Radioactive
8	Corrosive
9	Class 9

¹ Refers to the appropriate compatibility group letter.
² The packing group for a material is indicated in column 5 of the table.

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

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

erenced 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

§ 172.101

49 CFR Ch. I (10–1–14 Edition)

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 cal-

culated 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 Nitrosodimethylamine	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	3	UN1091	II	3	A3, A6, A7, A10, B2, IB2, T7, TP2	202	242	5 L	60 L	B	25, 40, 52, 53		
Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution	3	UN1648	II	3	2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45	202	242	5 L	60 L	B	40		
Acetyl bromide	8	UN1716	II	8	B2, IB2, T8, TP2	202	242	1 L	30 L	C	40		

	3	UN1717	II	3, 8	A3, A6, A7, IB1, N34, T8, TP2	150	202	243	1 L	5 L	B	40
Acetyl chloride	Forbiddn											
Acetyl cyclohexanesulfonyl peroxide, with more than 82 percent wetted with less than 12 percent water	Forbiddn											
Acetyl iodide	8	UN1898	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40
Acetyl methyl carbimol	3	UN2821	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Acetyl peroxide, solid, or with more than 25 percent in solution	Forbiddn											
Acetylene, dissolved	2.1	UN1001		2.1	N86, N88	None	303	None	Forbiddn	15 kg	D	25, 40, 57
Acetylene (liquefied)	Forbiddn											
Acetylene silver nitrate	Forbiddn											
Acetylene, solvent free	Forbiddn											
Acetylene tetrabromide, see Tetrabromoethane												
Acid butyl phosphate, see Butyl acid phosphate												
Acid, sludge, see Sludge acid												
Acridine	6.1	UN2713	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Acroline dimer, stabilized	3	UN2607	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Acrolein, stabilized	6.1	UN1092	I	6.1, 3	1, B9, B14, B30, B42, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbiddn	Forbiddn	D	40
Acrylamide, solid	6.1	UN2074	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12
Acrylamide solution	6.1	UN3426	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12
Acrylic acid, stabilized	8	UN2218	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	C	25, 40
Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	B9, T14, TP2, TP13	None	201	243	Forbiddn	30 L	E	40
Actuating cartridge, explosive, see Cartridges, power device												
Adhesives, containing a flammable liquid	3	UN1133	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	B	
Adiponitrile												
Aerosols, corrosive, Packing Group II or III, (each not exceeding 1 L capacity)	6.1	UN2205	III	3	149, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
Aerosols, flammable, (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 8	B1, B52, IB3, T2, TP1	150	173	242	60 L	220 L	A	
Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	IB3, T3, TP1	153	203	241	75 kg	150 kg	A	25, 87, 126
Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	A34	306	None	None	75 kg	150 kg	A	25, 87, 126
Aerosols, flammable, (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	None	None	Forbiddn	150 kg	A	25, 87, 126
Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	304	None	Forbiddn	150 kg	A	25, 87, 126
Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2	.....	306	None	None	75 kg	150 kg	A	25, 87, 126
Aerosols, poison, Packing Group III (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 6.1	.....	306	None	None	Forbiddn	Forbiddn	A	25, 87, 126

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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	Air bag inflators, or Air bag mod-ules, or Seat-belt pretensioners. Air bag inflators, or Air bag mod-ules, or Seat-belt pretensioners. Air, compressed Air, refrigerated liquid, (cryogenic liquid) Air, refrigerated liquid, (cryogenic liquid) non-pressurized Aircraft engines (including turbines), see Engines, internal combustion Aircraft evacuation slides, see Life saving appliances etc. Aircraft hydraulic power unit fuel tank (containing a mixture of an-hydrous hydrazine and monomethyl hydrazine) (M86 fuel) Aircraft survival kits, see Life saving appliances etc. Alcoholates solution, n.o.s., in alco-hol Alcoholic beverages Alcohols, n.o.s.	1.4G	UN0503	II	1.4G	161, A200	None	62	None	Forbidden	75 kg	02	25
		9	UN3268	III	9	160, A200	166	166	166	25 kg	100 kg	A	
		2.2	UN1002		2.2	78	306, 307	302	302	75 kg	150 kg	A	
		2.2	UN1003		2.2,	TP5, TP5, TP22	320	316	318,	Forbidden	Forbidden	D	51
		2.2	UN1003		2.2,	TP5, TP5, TP22	320	316	318,	Forbidden	Forbidden	D	51
		3	UN3165	I	3, 6.1, 8		None	172	None	Forbidden	42 L	E	
		3	UN3274	II	3, 8	IB2	150	202	243	1 L	5 L	B	
		3	UN3065	II	3	24, 149, B1, IB2, T4, TP1	150	202	242	5 L	60 L	A	
		3	UN1987	III	3	24, B1, IB3, N11, T2, TP1	150	203	242	60 L	220 L	A	
		3		I	3	172, T11, TP1, TP8, 4b	TP27	201	243	1 L	30 L	E	
G	Alcohols, flammable, toxic n.o.s. Aldehydes, n.o.s.	3	UN1986	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
		3	UN1989	II	3, 6.1	IB2, T11, TP2, TP27	150	202	243	1 L	60 L	B	40
		3		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		III	3	172, B1, IB3, T4, TP1, TP28	4b, 150	203	242	60 L	220 L	A	
		3		III	3	172, B1, IB3, T4, TP1, TP29	4b, 150	203	242	60 L	220 L	A	
		3		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		III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	60 L	220 L	A	

G	Aldehydes, flammable, toxic, n.o.s.	3	UN1988	I	3, 6.1	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	40		
		6.1	UN2839	II	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddén	30 L	E	40		
				III	3, 6.1	IB2, T11, TP2, TP27	150	202	1 L	60 L	B	40			
		4.2	UN3206	III	6.1	B1, IB3, T7, TP1, TP28	150	203	60 L	220 L	A	12			
				II	4.2, 8	IB2, T7, TP2	153	202	5 L	60 L	A	12			
		G	Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.3	UN1421	III	4.2, 8	64, A7, IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	
						III	4.2, 8	64, A7, IB8, IP3, T1, TP33	None	213	25 kg	100 kg	B		
				4.3	UN1389	I	4.3	A2, A3, A7, B48, N34	None	201	244	Forbiddén	1 L	D	52
						I	4.3	A2, A3, A7, N34	None	201	244	Forbiddén	1 L	D	40, 52
				4.3	UN3401	I	4.3	IB4, IP1, N40, T9, TP7, TP33	None	211	242	Forbiddén	15 kg	D	52
II	4.3					A6, A7, A8, A19, A20, IB7, IP2, T3, TP33	151	212	15 kg	50 kg	E	40, 52			
4.3	UN3482			I	4.3, 3	A2, A3, A7	None	201	244	Forbiddén	1 L	D	52		
				I	4.3	A2, A3, A7	None	201	244	Forbiddén	1 L	D	52		
G	Alkali metal dispersions, flammable or Alkaline earth metal dispersions, flammable Alkali metal dispersions earth metal dispersions Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s. Alkaline earth metal alcoholates, n.o.s.			4.2	UN3205	II	4.2	65, A7, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	B	
				4.3	UN1393	III	4.2	65, A7, IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	B	
		II	4.3			A19, IB7, IP2, T3, TP33	151	212	15 kg	50 kg	E	52			
		4.3	UN1392	I	4.3	A19, N34, N40	None	201	244	Forbiddén	1 L	E	40, 52		
				I	4.3	A19, N34, N40, T9, TP7, TP33	None	211	242	Forbiddén	15 kg	D	52		
		6.1	UN3140	I	6.1	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A			
				II	6.1	IB2, T11, TP2, TP27	153	202	5 L	60 L	A				
		6.1	UN1544	III	6.1	IB3, T7, TP1, TP28	153	203	60 L	220 L	A				
				I	6.1	IB7, IP1, T6, TP33	None	211	5 kg	50 kg	A				
		8	UN2584	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A				
III	6.1			IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A						
8	UN2586	II	8	B2, IB2, T8, TP2, TP13	154	202	1 L	30 L	B						
		III	8	IB3, T4, TP1	154	203	5 L	60 L	B						
8	UN2583	II	8	IB8, IP2, IP4, T3, TP33	154	212	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)
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfonic acid	8	UN2585	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN3145	I	8	A6, T14, TP2	None	201	243	0.5 L	2.5 L	B	
	Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430	III	8	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	154 154 None	202 203 241 242	242	1 L 5 L 1 kg	30 L 60 L 25 kg	B A B	
	Alkylsulfuric acids	8	UN2571	III	8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 B2, IB2, T8, TP2, TP13, TP28	154 154 154	212 213 202	240 240 242	15 kg 25 kg 1 L	50 kg 100 kg 30 L	B A C	14
	Allethrin, see Pesticides, liquid, toxic, n.o.s.	3	UN2333	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Allyl acetate	6.1	UN1098	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Allyl 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
	Allyl chlorocarbonate, see Allyl chloroformate	6.1	UN1722	I	6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	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	

D	Aluminum bromide, anhydrous	8	UN1725	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40	
	Aluminum bromide, solution	8	UN2580	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
	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	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40	
	Aluminum chloride, solution	8	UN2581	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
	Aluminum dross, wet or hot	Forbiddn												
	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	
						4.3, 6.1	A19, A20, IB4	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
						6.1								
	Aluminum hydride	4.3	UN2463	I	4.3	A19, N40	None	211	242	Forbiddn	15 kg	15 kg	E	40, 52, 85
	Aluminum, molten	9	NA9260	III	9	IB3, T1, TP3	None	None	247	Forbiddn	Forbiddn	Forbiddn	D	
	Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A		
	Aluminum phosphate solution, see Corrosive liquids, etc													
	Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbiddn	15 kg	15 kg	E	40, 52, 85
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1, T6, TP33	None	211	242	Forbiddn	15 kg	15 kg	E	40, 85
Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	A	13, 39, 52, 53, 74, 101		
Aluminum powder, uncoated	4.3	UN1396	II	4.3	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101		
Aluminum resin	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		
Aluminum smelting by-products or Aluminum remelting by-products	4.3	UN3170	III	4.3	A1, A19, IB8, IP4, T1, TP33	None	212	242	15 kg	50 kg	B	85, 103		
Amazols, see Explosives, blasting, type B														
Amine, flammable, corrosive, n.o.s. or Polyamines, flammable, corrosive, n.o.s.	3	UN2733	I	3, 8	T14, TP1, TP27	None	201	243	0.5 L	2.5 L	D	40, 52		
Amine, liquid, corrosive, flammable, n.o.s. or Polyamines, liquid, corrosive, flammable, n.o.s.	8	UN2734	II	3, 8	IB2, T11, TP1, TP27	150	202	243	1 L	5 L	B	40, 52		
			III	3, 8	B1, IB3, T7, TP1, TP28	150	203	242	5 L	60 L	A	40, 52		
			I	8, 3	A3, A6, N34, T14, TP2, TP27	None	201	243	0.5 L	2.5 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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	Loca-tion	Other
G	Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s.	8	UN2735	II I	8, 3 8	IB2, T11, TP2, TP27 A3, A6, B10, N34, T14, TP2, TP27	None None	202 201	243 243	1 L 0.5 L	30 L 2.5 L	A A	52 52
G	Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	II III I	8 8 8	B2, IB2, T11, TP1, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	154 154 None	202 203 211	242 241 242	1 L 5 L 1 kg	30 L 60 L 25 kg	A A A	52 52 52
	2-Amino-4-chlorophenol	6.1	UN2673	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	2-Amino-5-diethylaminopentane	6.1	UN2946	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass	4.1	UN3317	I	4.1	IB3, T4, TP1 23, A8, A19, A20, N41	153 None	203 211	241	60 L 1 kg	220 L 15 kg	A E	28, 36
	2-(2-Aminoethoxy) ethanol	8	UN3055	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
	N-Aminoethylpiperazine	8	UN2815	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
+	Aminophenols (o-; m-; p-) Aminopropyllethanolamine, see Amines, etc n-Aminopropylmorpholine, see Amines, etc Aminopyridines (o-; m-; p-)												
I	Ammonia, anhydrous	2.3	UN1005	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	2.2	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	2.3, 8	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	2.2	4, N87, 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 ammonia but not more than 50 percent ammonia	2.2	UN2073		2.2		N87	304	314, 315	Forbidden	150 kg	E	40, 52, 57
Ammonia solutions, relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia	8	UN2672	III	8	336, IB3, IP8, T7, TP1	154	203	241	5L	60L	A	40, 52, 85
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												
Ammonium fluoride	6.1	UN2505	III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	36, 66, 78, 91
Ammonium fluorosulfate	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, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium hydrogendifluoride, solid	8	UN1727	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
Ammonium hydrogendifluoride, solution	8	UN2817	II	8, 6.1	IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
Ammonium hydrosulfide, solution, see Ammonium sulfide solution												
Ammonium hydroxide, see Ammonia solutions, etc												
Ammonium metavanadate	6.1	UN2859	II	6.1	IB2, N34, T8, TP2, TP13	154	202	243	1 L	30 L	B	40
Ammonium nitrate based fertilizer	5.1	UN2067	III	5.1	IB3, N3, T4, TP1, TP13	154	203	241	5 L	60 L	B	40, 95
Ammonium nitrate based fertilizer	9	UN2071	III	9	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
					52, 150, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	25, 59, 60, 66, 117
					132, IB8, IP3	155	213	240	200 kg	200 kg	A	

D

A W

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Ammonium nitrate emulsion or Am-monium nitrate suspension or Ammonium nitrate gel, inter-mediate for blasting explosives	5.1	UN3375	II	5.1	147, 163	None	214	214	Forbidden	Forbidden	D	25, 59, 60, 66, 124
D	Ammonium nitrate-fuel oil mixture containing only prilled ammonium nitrate and fuel oil	1.5D	NA0331	II	1.5D	.....	None	62	None	Forbidden	Forbidden	03	25, 19E
	Ammonium nitrate, liquid (hot con-centrated 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 sub-stances, 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
	Ammonium nitrate, with not more than 0.2% total combustible ma-terial, including any organic sub-stance, calculated as carbon to the exclusion of any other added substance	5.1	UN1942	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 59, 60, 116
	Ammonium nitrite	Forbidden											
	Ammonium perchlorate	1.1D	UN0402	II	1.1D	107	None	62	None	Forbidden	Forbidden	04	25, 19E
	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	E	58, 69
	Ammonium permanganate	Forbidden											
	Ammonium persulfate	5.1	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Ammonium picrate, dry or wetted with less than 10 percent water, by mass	1.1D	UN0004	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E, 19E
	Ammonium picrate, wetted with not less than 10 percent water, by mass	4.1	UN1310	I	4.1	23, A2, N41	None	211	None	0.5 kg	0.5 kg	D	28, 36
	Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 40, 52

Pipeline and Haz. Matls. Safety Admin., DOT

§ 172.101

Ammonium polyvanadate	6.1	UN2861	III	8, 6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 40, 52
Ammonium silicofluoride, see Ammonium fluorosilicate											A	44, 89, 100, 141
Ammonium sulfide solution	8	UN2683	II	8, 6.1, 3	IB1, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 22, 52, 100
Ammunition, blank, see Cartridges for weapons, blank												
Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.2G	UN0171	II	1.2G			62	62	Forbidden	Forbidden	03	25
Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.3G	UN0254	II	1.3G			62	62	Forbidden	Forbidden	03	25
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.												
Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	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												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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>Ammunition, SA (small arms), see Cartridges for weapons, etc</i> <i>Ammunition, smoke (water-acti-vated contrivances), white phos-phorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248)</i> <i>Ammunition, smoke (water-acti-vated contrivances), without white phosphorus or phosphides, with burster, expelling charge or pro-pelling charge, see Contrivances, water-activated, etc. (UN 0249)</i> <i>Ammunition smoke, white phos-phorus with burster, expelling charge, or propelling charge</i> <i>Ammunition, smoke, white phos-phorus with burster, expelling charge, or propelling charge</i> <i>Ammunition, smoke with or without burster, expelling charge or pro-pelling charge</i> <i>Ammunition, smoke with or without burster, expelling charge or pro-pelling charge</i> <i>Ammunition, smoke with or without burster, expelling charge or pro-pelling charge</i> <i>Ammunition, sporting, see Car-tridges for weapons, etc. (UN 0012; UN 0328; UN 0339)</i>	1.2H 1.3H 1.2G 1.3G 1.4G	UN0245 UN0246 UN0015 UN0016 UN0303	II II II II II	1.2H 1.3H 1.2G 1.3G 1.4G	..... ..... ..... ..... .....	62 62 62 62 62	62 62 62 62 62	62 62 62 62 62	Forbidden Forbidden Forbidden Forbidden Forbidden	Forbidden Forbidden Forbidden Forbidden 75 kg	05 05 03 03 02	25, 14E, 15E, 17E 25, 14E, 15E, 17E 25, 17E 25, 14E, 15E, 17E

UN number	Proper shipping name	Class	Division	Subdivision	Label	Quantity	Special provisions	Other	Exemption	Notes
6.1 UN2017	Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	II	6.1, 8					None	212	13, 40
1.2G UN0018	Ammunition, tear-producing with burster, expelling charge or propelling charge	II	1.2G, 8, 6.1					62	62	25, 17E
1.3G UN0019	Ammunition, tear-producing with burster, expelling charge or propelling charge	II	1.3G, 8, 6.1					62	62	25, 17E
1.4G UN0301	Ammunition, tear-producing with burster, expelling charge or propelling charge	II	1.4G, 8, 6.1					62	62	25, 14E, 15E, 17E
6.1 UN2016	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	II	6.1					None	212	13, 40
1.2K UN0020	Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc	II	1.2K, 6.1					None	62	25, 14E, 15E, 17E
1.3K UN0021	Ammunition, toxic with burster, expelling charge or propelling charge	II	1.3K, 6.1					None	62	25, 14E, 15E, 17E
3 UN1104	Amyl acetates	III	3		B1, IB3, T2, TP1	150		242	203	
8 UN2819	Amyl acid phosphate	III	8		IB3, T4, TP1	154		241	203	
3 UN2620	Amyl butyrate	III	3		B1, IB3, T2, TP1	150		242	203	
3 UN1107	Amyl chloride	II	3		IB2, T4, TP1	150		242	202	
3 UN1109	Amyl formates	III	3		B1, IB3, T2, TP1	150		242	203	
3 UN1111	Amyl mercaptan	II	3		A3, A6, IB2, T4, TP1	None		242	202	
3 UN1110	n-Amyl methyl ketone	III	3		B1, IB3, T2, TP1	150		242	203	
3 UN1112	Amyl nitrate	III	3		B1, IB3, T2, TP1	150		242	202	
3 UN1113	Amyl nitrite	II	3, 8		IB2, T7, TP1	150		243	202	
3 UN1106	Amylamines	III	3, 8		B1, IB3, T4, TP1	150		242	203	
8 UN1728	Amyltrichlorosilane	II	8		A7, B2, B6, N34, T10, TP2, TP7, TP13	None		242	206	
	Anhydrous ammonia, see Ammonia, anhydrous									
	Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous									
6.1 UN1547	Aniline	II	6.1		IB2, T7, TP2	153		243	202	
6.1 UN1548	Aniline hydrochloride	III	6.1		IB8, IP3, T1, TP33	153		240	213	
6.1 UN2431	Aniline oil, see Aniline	III	6.1		IB3, T4, TP1	153		241	203	
	Anisidines									

+

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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)
	Anisole	3	UN2222	III	3	B1, IB3, T2, TP1 B2, B4, IB8, IP2, IP4, T3, TP33	150	203	242	60 L	220 L	A	
			UN1729	II	8		154	212	240	15 kg	50 kg	A	
G	<i>Anti-freeze, liquid, see Flammable liquids, n.o.s.</i> <i>Antimonous chloride, see Antimony trichloride</i>	6.1	UN3141	III	6.1	35, IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
			UN1549	III	6.1		153	213	240	100 kg	200 kg	A	
G	Antimony compounds, inorganic, liquid, n.o.s. Antimony compounds, inorganic, solid, n.o.s. Antimony lactate Antimony pentachloride, liquid Antimony pentachloride, solutions Antimony pentafluoride	6.1	UN1550	III	6.1	IB8, IP3, T1, TP33 B2, IB2, T7, TP2 B2, IB2, T7, TP2 IB3, T4, TP1 A3, A6, A7, A10, IB2, N3, N36, T7, TP2	153	213	240	100 kg	200 kg	A	
			UN1730	II	8		None	202	242	1 L	30 L	C	40
			UN1731	II	8		154	202	242	1 L	30 L	C	40
			UN1732	III	8		154	203	241	5 L	60 L	C	40
			UN1732	II	8, 6.1		None	202	243	Forbidden	30 L	30 L	D	44, 89, 100, 141
	Antimony potassium tartrate Antimony powder <i>Antimony sulfide and a chlorate, mixtures of</i>	6.1	UN1551	III	6.1	IB8, IP3, T1, TP33 IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
			UN2871	III	6.1		153	213	240	100 kg	200 kg	A	
	<i>Antimony sulfide, solid, see Antimony compounds, inorganic, n.o.s.</i> Antimony trichloride, liquid Antimony trichloride, solid <i>Aqua ammonia, see Ammonia solution, etc</i>	8	UN1733	II	8	B2, IB2 IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	C	40
			UN1733	II	8		154	212	240	15 kg	50 kg	A	40
	Argon, compressed Argon, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1006	2.2	2.2	T75, TP5	306, 307	302	314, 315	75 kg	150 kg	A	
			UN1951	2.2	2.2		320	316	318	50 kg	500 kg	D	
	Arsenic Arsenic acid, liquid Arsenic acid, solid Arsenic bromide	6.1	UN1558	II	6.1	IB8, IP2, IP4, T3, TP33 T20, TP2, TP7, TP13 IB8, IP2, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	46
			UN1553	I	6.1		None	201	243	1 L	30 L	B	
			UN1554	II	6.1		153	212	242	25 kg	100 kg	A	
			UN1555	II	6.1		153	212	242	25 kg	100 kg	A	12, 40

G	Arsenic chloride, see Arsenic tri-chloride	6.1	UN1556	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 137
	Arsenic compounds, liquid, n.o.s., inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s	6.1	UN1557	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 137
	Arsenic compounds, solid, n.o.s., inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s	6.1	UN1557	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40, 137
	Arsenic pentoxide	6.1	UN1559	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	137
	Arsenic sulfide and a chlorate, mixtures of	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137
	Arsenic trichloride	6.1	UN1560	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	137
	Arsenic trioxide	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Arsenic, white, solid, see Arsenic trioxide	6.1	UN1561	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
	Arsenical dust	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2760	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
G	Arsenical pesticides, liquid, toxic	6.1	UN2994	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	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	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2993	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Arsenious acid, solid, see Arsenic trioxide	6.1	UN2759	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Arsenious acid, solid, see Arsenic trioxide	6.1	UN2759	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Arsenious acid, solid, see Arsenic trioxide	6.1	UN2759	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s.	6.1	UN2759	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s.	6.1	UN2759	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s.	6.1	UN2759	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	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)	Loca-tion (10A)	Other (10B)
	Arsine	2.3	UN2188		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Articles, explosive, extremely insen-sitive or Articles, EEI	1.6N	UN0486	II	1.6N		None	62	None	Forbidden	Forbidden	07	
	Articles, explosive, extremely insen-sitive or Articles, EEI	1.6N											
G	Ammunition, toxic with burster, ex-pelling charge or propelling charge	1.2K	UN0020	II	1.2K, 6.1			62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Ammunition, toxic with burster, ex-pelling charge or propelling charge	1.3K	UN0021	II	1.3K, 6.1			62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Articles, explosive, n.o.s	1.4S	UN0349	II	1.4S	101	None	62	None	25 kg	100 kg	01	25
G	Articles, explosive, n.o.s	1.4B	UN0350	II	1.4B	101	None	62	None	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s	1.4C	UN0351	II	1.4C	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s	1.4D	UN0352	II	1.4D	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s	1.4G	UN0353	II	1.4G	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s	1.1L	UN0354	II	1.1L	101	None	62	None	Forbidden	Forbidden	02	25, 14E, 15E
G	Articles, explosive, n.o.s	1.2L	UN0355	II	1.2L	101	None	62	None	Forbidden	Forbidden	05	15E, 25, 14E, 15E
G	Articles, explosive, n.o.s	1.3L	UN0356	II	1.3L	101	None	62	None	Forbidden	Forbidden	05	15E, 25, 14E, 15E
G	Articles, explosive, n.o.s	1.1C	UN0462	II	1.1C	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.1D	UN0463	II	1.1D	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.1E	UN0464	II	1.1E	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.1F	UN0465	II	1.1F	101	None	62	None	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s	1.2C	UN0466	II	1.2C	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.2D	UN0467	II	1.2D	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.2E	UN0468	II	1.2E	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.2F	UN0469	II	1.2F	101	None	62	None	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s	1.3C	UN0470	II	1.3C	101	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s	1.4E	UN0471	II	1.4E	101	None	62	None	Forbidden	75 kg	03	25

UN Number	Proper Shipping Name	Class	Division	Subdivision	Quantity	Special Provisions	Other	Notes
UN0472	Articles, explosive, n.o.s	1.4F	II	101	None	1.4F	None	25
UN3164	Articles, pressurized pneumatic or hydraulic containing non-flammable gas	2.2	II	306	302, 304	2.2	None	25, 14E, 15E, 17E
UN0380	Articles, pyrophoric	1.2L	II	None	62	1.2L	None	05
UN0428	Articles, pyrotechnic for technical purposes	1.1G	II	None	62	1.1G	None	03
UN0429	Articles, pyrotechnic for technical purposes	1.2G	II	None	62	1.2G	None	03
UN0430	Articles, pyrotechnic for technical purposes	1.3G	II	None	62	1.3G	None	03
UN0431	Articles, pyrotechnic for technical purposes	1.4G	II	None	62	1.4G	None	02
UN0432	Articles, pyrotechnic for technical purposes	1.4S	II	None	62	1.4S	None	01
NA2212	Asbestos	9	III	156, IB8, IP2, IP4	216	9	240	34, 40
NA1999	Asphalt, at or above its flash point	3	III	IB3, T1, TP3	203	3	247	
UN3334	Asphalt, cut back, see Tars, liquid, etc	9	.....	A35, A189	155	9	450 L	A
UN3335	Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc	9	.....	A35	155	9	400 kg	A
UN3242	Aviation regulated solid, n.o.s	4.1	II	38, IB8, T3, TP33	151	4.1	240	D
UN1400	Azauric acid (salt of) (dry)	4.3	II	A19, IB7, IP2, T3, TP33	151	4.3	15 kg	E
UN1854	Azido guanidine picrate (dry)	4.2	I	T21, TP7, TP33	None	4.2	Forbidden	D
	5-Azido-1-hydroxy tetrazole							
	Azido hydroxy tetrazole (mercury and silver salts)							
	3-Azido-1,2-Propylene glycol dinitrate							
	Azidoethyl nitrate							
	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution							
	Azodicarbonamide							
	Azotetrazole (dry)							
	Barium							
	Barium alloys, pyrophoric							

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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 azide, dry or wetted with less than 50 percent water, by mass	1.1A	UN0224	II	1.1A, 6.1	111, 117	None	62	Forbidden	Forbidden	05	25	
	Barium azide, wetted with not less than 50 percent water, by mass	4.1	UN1571	I	4.1,	162, A2	None	182	Forbidden	0.5 kg	D	28	
	Barium bromate	5.1	UN2719	II	5.1,	IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	56, 58	
	Barium chlorate, solid	5.1	UN1445	II	5.1,	A9, IB6, IP2, N34, T3, TP33	152	212	5 kg	25 kg	A	56, 58	
	Barium chlorate, solution	5.1	UN3405	II	5.1,	A9, IB2, N34, T4, TP1	152	202	1 L	5 L	A	56, 58, 133	
				III	5.1,	A9, IB2, N34, T4, TP1	152	203	2.5 L	30 L	A	56, 58, 133	
G	Barium compounds, n.o.s	6.1	UN1564	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A		
				III	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A		
				I	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A		
	Barium cyanide	6.1	UN1565	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	A	40, 52	
	Barium hypochlorite with more than 22 percent available chlorine	5.1	UN2741	II	5.1,	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	B	4, 52, 56, 58, 106	
	Barium nitrate	5.1	UN1446	II	5.1,	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	A		
	Barium oxide	6.1	UN1884	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A		
	Barium perchlorate, solid	5.1	UN1447	II	5.1,	IB6, IP2, T3, TP33	152	212	242	5 kg	A	56, 58	
	Barium perchlorate, solution	5.1	UN3406	II	5.1,	IB2, T4, TP1	152	202	243	1 L	A	56, 58, 133	
				III	5.1,	IB2, T4, TP1	152	203	242	2.5 L	A	56, 58, 133	
	Barium permanganate	5.1	UN1448	II	5.1,	IB6, IP2, T3, TP33	152	212	242	5 kg	D	56, 58, 138	
	Barium peroxide	5.1	UN1449	II	5.1,	A9, IB6, IP2, T3, TP33	152	212	242	5 kg	A	13, 52, 56, 75	
	Barium selenate, see Selenates or Selenites												
	Barium selenite, see Selenates or Selenites												

UN number	Class	Label	Quantity	Forbidden	189	213	189	Quantity	Forbidden	189	213	189	Quantity	Forbidden	189	213	189	Quantity	Forbidden	
4.3 UN3292	8	Batteries, containing sodium hydroxide solid, electric storage	II	4.3	237	None	189	237	None	189	213	189	237	None	189	213	189	237	None	
4.3 UN3028	8	Batteries, dry, sealed, n.o.s.	III	8	130	None	189	130	None	189	213	189	130	None	189	213	189	130	None	
9 UN3496	9	Batteries, nickel-metal hydride see nickel-metal hydride batteries transported by modes other than vessel	.....	9	340	None	189	340	None	189	213	189	340	None	189	213	189	340	None
8 UN2794	8	Batteries, wet, filled with acid, electric storage	III	8	A51	159	159	A51	159	159	213	159	A51	159	159	213	159	A51	159	
8 UN2795	8	Batteries, wet, filled with alkali, electric storage	III	8	A51	159	159	A51	159	159	213	159	A51	159	159	213	159	A51	159	
8 UN2800	8	Batteries, wet, non-spillable, electric storage	III	8	159a	159a	159	159a	159a	159	213	159	159a	159a	159	213	159	159a	159a	
8 UN2796	8	Battery fluid, acid	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	242	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	242	242	242	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	242	242	242	1 L	30 L	
8 UN2797	8	Battery fluid, alkali	II	8	B2, IB2, N6, T7, TP2, TP28	154	242	B2, IB2, N6, T7, TP2, TP28	154	242	242	242	B2, IB2, N6, T7, TP2, TP28	154	242	242	242	1 L	30 L	
9 UN3171	9	Battery lithium type, see Lithium batteries etc	9	9	134	220	220	134	220	220	220	220	134	220	220	220	220	134	220	
Battery-powered vehicle or Battery-powered equipment																				
Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc. or Engines, internal combustion, etc																				
9 UN1990	9	Benzaldehyde	III	9	IB3, T2, TP1	155	203	IB3, T2, TP1	155	203	203	203	IB3, T2, TP1	155	203	203	203	100 L	220 L	
3 UN1114	3	Benzene	II	3	IB2, T4, TP1	150	202	IB2, T4, TP1	150	202	202	202	IB2, T4, TP1	150	202	202	202	5 L	60 L	
Forbidden		Benzene diazonium chloride (dry)																		
Forbidden		Benzene diazonium nitrate (dry)																		
8 UN2225	8	Benzene phosphorus dichloride, see Phenyl phosphorus dichloride	III	8	IB3, T4, TP1	154	203	IB3, T4, TP1	154	203	203	203	IB3, T4, TP1	154	203	203	203	5 L	60 L	
Forbidden		Benzene phosphorus trichloride, see Phenyl phosphorus trichloride																		
6.1 UN1885	6.1	Benzene sulfonyl chloride	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	IB8, IP2, IP4, T3, TP33	153	212	212	212	IB8, IP2, IP4, T3, TP33	153	212	212	212	25 kg	100 kg	
6.1 UN2224	6.1	Benzene triozonide	II	6.1	IB2, T7, TP2	153	202	IB2, T7, TP2	153	202	202	202	IB2, T7, TP2	153	202	202	202	5 L	60 L	
6.1 UN2587	6.1	Benzoic acid	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	IB8, IP2, IP4, T3, TP33	153	212	212	212	IB8, IP2, IP4, T3, TP33	153	212	212	212	25 kg	100 kg	
8 UN2226	8	Benzonitrile	II	8	B2, IB2, T7, TP2	154	202	B2, IB2, T7, TP2	154	202	202	202	B2, IB2, T7, TP2	154	202	202	202	1 L	30 L	
3 UN2338	3	Benzotrifluoride	II	3	IB2, T4, TP1	150	202	IB2, T4, TP1	150	202	202	202	IB2, T4, TP1	150	202	202	202	5 L	60 L	
Forbidden		Benzoyl azides (dry)																		
Forbidden		Benzoyl azide																		

W

+

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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	Benzoyl chloride	6.1	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	C	40
	Benzyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	Benzyl chloride <i>unstabilized</i>	6.1	UN1738	II	6.1, 8	A3, A7, B8, B11, IB2, N33, N34, N43, T8, TP2, TP13	153	202	243	1 L	30 L	D	13, 40
	Benzyl chloroformate	8	UN1739	I	8	A3, A6, B4, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	12, 40
	Benzyl dimethylamine	8	UN2619	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	25, 40
	Benzylidene chloride	6.1	UN1886	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	Beryllium compounds, n.o.s	6.1	UN1566	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Beryllium nitrate	5.1	UN2464	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	100 kg	200 kg	A	
	Beryllium, powder	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	A	
	Bicyclo [2,2,1] hepta-2,5-diene, sta-bilized or 2,5-Norbornadiene, sta-bilized	3	UN2251	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	D	
	Biological substance, Category B	6.2 Forbidden	UN3373			A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40
	<i>Biphenyl triazone</i>		UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	
	Bipyridilium pesticides, liquid, flam-mable, toxic, <i>flash point less than 23 degrees C</i>	6.1	UN3016	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Bipyridilium pesticides, liquid, toxic													
Bipyridilium pesticides, liquid, toxic, flammable, <i>flash point not less than 23 degrees C</i>	6.1	UN3015	III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
					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>Bis</i> (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.			I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Bisulfate, aqueous solution	8	UN2837	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	40
Bisulfites, aqueous solutions, n.o.s.	8	UN2693	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	40, 52
Black powder, compressed or Black powder, in pellets or Gunpowder, in pellets	1.1D	UN0028	II	1.1D	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
Black powder or Gunpowder, granular or as a meal	1.1D	UN0027	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Black powder for small arms	4.1	NA0027	I	4.1	70	None	170	None	Forbidden	Forbidden	E	
Blasting agent, n.o.s., see Explosives, blasting etc												
Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting												
Blasting caps, electric, see Detonators, electric for blasting												
Blasting caps, non-electric, see Detonators, non-electric, for blasting												
Bleaching powder, see Calcium hypochlorite mixtures, etc												
Blue asbestos (Crocidolite) or Brown asbestos (amosite, <i>mysorite</i>)	9	UN2212	II	9	156, IB8, IP2, IP4, T3, TP33	155	216	240	Forbidden	Forbidden	A	34, 40
Bombs, photo-flash	1.1F	UN0037	II	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25
Bombs, photo-flash	1.1D	UN0038	II	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25
Bombs, photo-flash	1.2G	UN0039	II	1.2G	.....	None	62	62	Forbidden	Forbidden	03	25
Bombs, photo-flash	1.3G	UN0299	II	1.3G	.....	None	62	62	Forbidden	Forbidden	03	25
Bombs, smoke, non-explosive, with corrosive liquid, without initiating device	8	UN2028	II	8	.....	None	160	None	Forbidden	50 kg	E	40
Bombs, with bursting charge	1.1F	UN0033	II	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25
Bombs, with bursting charge	1.1D	UN0034	II	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25
Bombs, with bursting charge	1.2D	UN0035	II	1.2D	.....	None	62	62	Forbidden	Forbidden	04	25
Bombs, with bursting charge	1.2F	UN0291	II	1.2F	.....	None	62	None	Forbidden	Forbidden	05	25
Bombs, with flammable liquid, with bursting charge	1.1J	UN0399	II	1.1J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E
Bombs, with flammable liquid, with bursting charge	1.2J	UN0400	II	1.2J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E
Boosters with detonator	1.1B	UN0225	II	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Boosters with detonator	1.2B	UN0268	II	1.2B	.....	None	62	None	Forbidden	Forbidden	05	25
Boosters, without detonator	1.1D	UN0042	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Boosters, without detonator	1.2D	UN0283	II	1.2D	.....	None	62	None	Forbidden	Forbidden	04	25

D

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)	
+	<i>Borate and chlorate mixtures, see Chlorate and borate mixtures</i> Boromeol Boron tribromide Boron trichloride Boron trifluoride Boron trifluoride acetic acid com-plex, liquid Boron trifluoride acetic acid com-plex, solid Boron trifluoride diethyl etherate Boron trifluoride dihydrate Boron trifluoride dimethyl etherate	4.1 8	UN1312	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	12	
			UN2692	I	8, 6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C		
		2.3 2.3	UN1741	2.3, 8	2.3, 8	3, B9, B14	None	304	314	Forbidden	Forbidden	D	25, 40 40
			UN1008	.....	2.3, 8	2.3, 8	2, 238, B9, B14	None	302	314, 315	Forbidden	Forbidden	D
		8	UN1742	II	8	8	B2, B6, IB2, T8, TP2	154	202	242	1 L	30 L	A	40
			UN3419	II	8	8	B2, B6, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
		8	UN2604	I	8, 3	8, 3	A3, A19, T10, TP2	None	201	243	0.5 L	2.5 L	D	40 12, 40, 21, 28, 40, 49, 100
			UN2851	II	8	8	IB2, T7, TP2	154	212	240	15 kg	50 kg	B	
			UN2965	I	4.3, 8, 3	4.3, 8, 3	A19, T10, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D	
		G	Boron trifluoride propionic acid com-plex, liquid Boron trifluoride propionic acid com-plex, solid <i>Box toe gum, see Nitrocellulose etc</i> Bromates, inorganic, aqueous solu-tion, n.o.s.	8	UN1743	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	A	56, 58, 133 56, 58, 133
UN3420	II				8	B2, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A		
5.1	UN3213			II	5.1	5.1	350, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133 56, 58, 133
	UN1450			III	5.1	5.1	350, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	
G	Bromates, inorganic, n.o.s.	8	UN1744	II	5.1	350, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 133 56, 58, 133	
			UN1744	I	8, 6.1	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbidden	Forbidden		D
+	<i>Bromine azide</i> Bromine chloride Bromine pentafluoride	Forbidden 2.3	UN2901		2.3, 8, 5.1	2, B9, B14, N86	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90 25, 40, 66, 90	
			UN1745	I	5.1, 6.1, 8	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	228	244	Forbidden	Forbidden		D

+	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
	4-Bromo-1,2-dinitrobenzene	Forbidden											
	4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C)	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	
	1-Bromo-3-nitrobenzene (unstable at 56 degrees C)	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
	Bromoacetyl bromide	8	UN2513	III	6.1, 3	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40
	Bromobenzene	3	UN2514	III	8	B2, IB2, T6, TP2	154	202	242	1 L	30 L	C	40, 53
	Bromobenzyl cyanides, liquid	6.1	UN1694	I	6.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	D	12, 40, 52
	1-Bromobutane	3	UN1126	II	3	T6, TP33	None	211	242	5 kg	50 kg	D	12, 40, 52
	2-Bromobutane	3	UN2339	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromochloromethane	6.1	UN1887	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Bromoethyl ethyl ether	3	UN2340	II	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Bromoform	6.1	UN2515	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromomethylpropanes	3	UN2342	II	3	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 40
	2-Bromopentane	3	UN2343	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Bromopropanes	3	UN2344	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	3-Bromopropyne	3	UN2345	II	3	IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Bromosilane	Forbidden											
	Bromobutene-alpha, see Benzyl bromide	Forbidden											
	Bromotrifluoroethylene	2.1	UN2419	II	2.1	IB2, T4, TP1	150	202	314, 315	Forbidden	150 kg	B	40
	Bromotrifluoromethane or Refrigerant gas, R 13B1.	2.2	UN1009	II	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	
	Bursts, explosive	1,1D	UN0043	II	1,1D	.....	None	62	None	Forbidden	Forbidden	O4	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)
	Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes	2.1	UN1010		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	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 mix-tures having similar properties in cartridges each not exceeding 500 grams, see Receptacles, etc												
	Butanedione	3	UN2346	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	1,2,4-Butanetriol trinitrate	Forbidden	UN1120	III	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	Butanols	3	UN1123	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	tert-Butoxycarbonyl azide	Forbidden	UN1123	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Butyl acetates	3	UN1718	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl acid phosphate	8	UN1718	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Butyl acrylates, stabilized	3	UN2348	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 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												
	n-Butyl chloroformate	6.1	UN2743	I	6.1, 8, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 13, 21, 25, 40, 100
	Butyl ethers, see Dibutyl ethers												
	Butyl ethyl ether, see Ethyl butyl ether												
	n-Butyl formate	3	UN1128	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	tert-Butyl hydroperoxide, with more than 90 percent with water	Forbidden											
	tert-Butyl hypochlorite	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	
	tert-Butyl isocyanate	6.1	UN2484	I	6.1, 3		None	226	244	Forbidden	Forbidden	D	40

UN2485	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
n-Butyl isocyanate	6.1	UN2485	III	3	UN1914	242	60 L	220 L	A	12, 25, 127
Butyl mercaptan	3	UN2347	II	3	UN2856	None	Forbidden	Forbidden	D	40
n-Butyl methacrylate, stabilized	3	UN2227	III	3	UN2352	242	5 L	60 L	D	52, 95
Butyl methyl ether	3	UN2350	III	3	UN1125	242	60 L	220 L	A	52, 95
Butyl nitrites	3	UN2351	I	3	UN2738	242	5 L	60 L	B	40
	3	UN2351	I	3	UN2747	243	1 L	30 L	E	40
	II	3	II	3		242	5 L	60 L	B	40
	III	3	III	3		242	60 L	220 L	A	40
<i>tert</i> -Butyl peroxyacetate, with more than 76 percent in solution	Forbidden									
<i>n</i> -Butyl peroxydicarbonate, with more than 52 percent in solution	Forbidden									
<i>tert</i> -Butyl peroxyisobutyrate, with more than 77 percent in solution	Forbidden									
Butyl phosphoric acid, see Butyl acid phosphate										
Butyl propionates	3	UN1914	III	3	UN1914	242	60 L	220 L	A	12, 25, 127
5- <i>tert</i> -Butyl-2,4,6-trinitro- <i>m</i> -xylene or Musk xylene	4.1	UN2856	III	4.1	UN2856	None	Forbidden	Forbidden	D	40
Butyl vinyl ether, stabilized	3	UN2352	II	3	UN2352	242	5 L	60 L	B	40
<i>n</i> -Butylamine	3	UN1125	II	3, 8	UN1125	242	1 L	5 L	B	40
<i>n</i> -Butylaniline	6.1	UN2738	II	6.1	UN2738	243	5 L	60 L	A	74
<i>tert</i> -Butylcyclohexylchloroformate	6.1	UN2747	III	6.1	UN2747	241	60 L	220 L	A	12, 13, 25
Butylene see also Petroleum gases, liquefied	2.1	UN1012	II	2.1	UN1012	314, 315	Forbidden	150 kg	E	40
1,2-Butylene oxide, stabilized	3	UN3022	II	3	UN3022	242	5 L	60 L	B	27, 49
Butyltoluenes	6.1	UN2667	III	6.1	UN2667	241	60 L	220 L	A	40
Butyltrichlorosilane	8	UN1747	II	8, 3	UN1747	243	Forbidden	30 L	C	40
1,4-Butynediol	6.1	UN2716	III	6.1	UN2716	240	100 kg	200 kg	C	52, 53, 70
Butyraldehyde	3	UN1129	II	3	UN1129	242	5 L	60 L	B	40
Butyraldoxime	3	UN2840	III	3	UN2840	242	60 L	220 L	A	40
Butyric acid	8	UN2820	III	8	UN2820	241	5 L	60 L	A	12
Butyric anhydride	8	UN2739	III	8	UN2739	241	5 L	60 L	A	12
Butyronitrile	3	UN2411	II	3, 6.1	UN2411	243	1 L	60 L	E	40
Butyryl chloride	3	UN2353	II	3, 8	UN2353	243	1 L	5 L	C	40
Cacodylic acid	6.1	UN1572	II	6.1	UN1572	242	25 kg	100 kg	E	52
Cadmium compounds	6.1	UN2570	I	6.1	UN2570	242	5 kg	50 kg	A	29, 52
	8	UN2682	III	8	UN2682	242	25 kg	100 kg	A	29, 52
Caesium hydroxide	8	UN2681	II	8	UN2681	240	15 kg	50 kg	A	29, 52
Caesium hydroxide solution	8	UN2681	II	8	UN2681	242	1 L	30 L	A	29, 52
Calcium	4.3	UN1401	II	4.3	UN1401	241	5 L	60 L	A	29, 52
Calcium arsenate	6.1	UN1573	II	6.1	UN1573	242	15 kg	50 kg	E	52
Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	UN1574	242	25 kg	100 kg	A	52

G

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	<i>Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.</i> Calcium carbide	4.3	UN1402	I	4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33	None	211	242	Forbidden	15 kg	B	52
	Calcium chlorate	5.1	UN1452	II	4.3	A1, A8, B55, B59, IB7, IP2, N34, T3, TP33	151	212	241	15 kg	50 kg	B	52
	Calcium chlorate aqueous solution	5.1	UN2429	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Calcium chlorite	5.1	UN1453	III	5.1	A2, IB2, N41, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
	Calcium cyanamide with more than 0.1 percent of calcium carbide	4.3	UN1403	III	4.3	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Calcium cyanide	6.1	UN1575	I	6.1	A1, A19, IB8, IP4, T1, IB7, IP1, N79, N80, T6, TP33	None	211	242	25 kg	100 kg	A	52
	Calcium dithionite or Calcium hydrosulfite	4.2	UN1923	II	4.2	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
	Calcium hydrosulfite, see Calcium dithionite	4.3	UN1404	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
	Calcium hypochlorite, dry, corrosive or Calcium hypochlorite mixture, dry, corrosive with more than 39% available chlorine (8.8% available oxygen)	5.1	UN3485	II	5.1, 8	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
	Calcium hypochlorite, dry or Calcium hypochlorite mixture, dry with more than 39% available chlorine (8.8% available oxygen)	5.1	UN1748	II	5.1	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
				III	5.1	165, 171, A7, A9, IB8, IP4, IP13, N34, W9	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142

Calcium hypochlorite, hydrated, corrosive or Calcium hypochlorite, hydrated mixture, corrosive with not less than 5.5% but not more than 16% water	5.1	UN3487	II	5.1, 8	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5% but not more than 16% water	5.1	UN2880	III	5.1, 8	165, IB8, IP4, W9	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5% but not more than 16% water	5.1	UN2880	II	5.1	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5% but not more than 16% water	5.1	UN2880	III	5.1	165, 171, IB8, IP4, IP13, W9	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine	5.1	UN3486	III	5.1, 8	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	152	213	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite mixture, dry, with more than 10% but not more than 39% available chlorine	5.1	UN2208	III	5.1	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium manganese silicon	4.3	UN2844	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	52, 85, 103
Calcium nitrate	5.1	UN1454	III	5.1	34, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Calcium oxide	8	UN1910	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	56, 58
Calcium perchlorate	5.1	UN1455	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 138
Calcium permanganate	5.1	UN1456	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
Calcium peroxide	5.1	UN1457	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 56, 75
Calcium phosphide	4.3	UN1360	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
Calcium, pyrophoric or Calcium alloys, pyrophoric	4.2	UN1855	I	4.2		None	187	None	Forbidden	Forbidden	D	
Calcium resinates	4.1	UN1313	III	4.1	A1, A19, IB6, T1, TP33	None	213	240	25 kg	100 kg	A	
Calcium resinates, fused	4.1	UN1314	III	4.1	A1, A19, IB4, T1, TP33	None	213	240	25 kg	100 kg	A	
Calcium selenate, see Selenates or Selenites												
Calcium silicide	4.3	UN1405	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	B	52, 85, 103
Camphor oil	3	UN1130	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	B	52, 85, 103
Camphor, synthetic	3	UN1130	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Canon primers, see Primers, tubular	4.1	UN2717	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	

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)	Other (10B)	Loca-tion (10A)	
I	Capacitor, electric double layer (with an energy storage capacity greater than 0.3 Wh) Caproic acid Caps, blasting, see Detonators, etc Carbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	9	UN3499	.....	9	361	176	176	176	No limit	No limit	A	
		8	UN2829	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
		3	UN2758	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	30 L	B	40
I	Carbamate pesticides, liquid, toxic	6.1	UN2892	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40	
		6.1	UN2991	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
		6.1	UN2991	I	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
I	Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2991	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
		6.1	UN2991	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
		6.1	UN2757	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40	
I	Carbamate pesticides, solid, toxic	6.1	UN2757	II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40	
		6.1	UN2757	II	6.1	IB8, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
		6.1	UN2757	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	
I	Carboic acid, see Phenol, solid or Phenol, molten Carboic acid solutions, see Phenol solutions	4.2	UN1362	III	4.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	0.5 kg	A	12	
		4.2	UN1361	II	4.2	IB6, T3, TP33	None	212	242	Forbidden	Forbidden	A	12	
		4.2	UN1361	III	4.2	IB8, IP3, T1, TP33	None	213	241	Forbidden	Forbidden	A	12	
A W	Carbon, activated Carbon, animal or vegetable origin Carbon bisulfide, see Carbon disulfide Carbon dioxide Carbon dioxide, refrigerated liquid Carbon dioxide, solid or Dry ice	2.2	UN1013		2.2		306	302, 304	302, 304	75 kg	150 kg	A		
		2.2	UN2187		2.2	T75, TP5	306	304	304	50 kg	500 kg	D		
		9	UN1845		None		217	217	240	200 kg	200 kg	C	40	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Transportation mode	Quantity	Label	Other	Additional
3 UN1131	Carbon disulfide	I	3, 6.1	B16, T14, TP2, TP7, TP13	None	201	243	Forbidden	Forbidden	D
2.3 UN1016	Carbon monoxide, compressed	II	2.3, 2.1	4	None	302	314, 315	Forbidden	25 kg	D
2.3 NA9202	Carbon monoxide, refrigerated liquid (cryogenic liquid)	II	2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D
6.1 UN2516	Carbon tetrabromide	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A
6.1 UN1846	Carbon tetrachloride	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A
2.3 UN2417	Carbonyl fluoride	II	2.3, 8	2	None	302	None	Forbidden	Forbidden	D
2.3 UN2204	Carbonyl sulfide	II	2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D
	<i>Cartridge cases, empty primed, see primer</i>									
	<i>Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device</i>									
	<i>Cartridges, explosive, see Charges, demolition</i>									
	<i>Cartridges, sporting, see Cartridges for weapons, inert projectile, or Cartridges, small arms</i>									
1.1G UN0049	Cartridges, flash	II	1.1G	.....	None	62	None	Forbidden	Forbidden	03
1.3G UN0050	Cartridges, flash	II	1.3G	.....	None	62	None	75 kg	75 kg	03
1.1C UN0326	Cartridges for weapons, blank	II	1.1C	.....	None	62	None	Forbidden	Forbidden	04
1.2C UN0413	Cartridges for weapons, blank or Cartridges, small arms, blank	II	1.2C	.....	None	62	None	Forbidden	Forbidden	04
1.3C UN0327	Cartridges for weapons, blank or Cartridges, small arms, blank	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04
1.4C UN0338	Cartridges for weapons, blank or Cartridges, small arms, blank	II	1.4C	.....	None	62	None	75 kg	75 kg	02
1.4S UN0014	Cartridges for weapons, blank or Cartridges for tools, blank	II	None	.....	63	62	None	25 kg	100 kg	01
1.2C UN0328	Cartridges for weapons, inert projectile	II	1.2C	.....	None	62	62	Forbidden	Forbidden	04
1.4S UN0012	Cartridges for weapons, inert projectile or Cartridges, small arms	II	None	.....	63	62	None	25 kg	100 kg	01
1.4C UN0339	Cartridges for weapons, inert projectile or Cartridges, small arms	II	1.4C	.....	None	62	None	Forbidden	75 kg	02
1.3C UN0417	Cartridges for weapons, inert projectile or Cartridges, small arms	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04
1.1F UN0005	Cartridges for weapons, with bursting charge	II	1.1F	.....	None	62	None	Forbidden	Forbidden	05
1.1E UN0006	Cartridges for weapons, with bursting charge	II	1.1E	.....	None	62	62	Forbidden	Forbidden	04
1.2F UN0007	Cartridges for weapons, with bursting charge	II	1.2F	.....	None	62	None	Forbidden	Forbidden	05

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
D	Cartridges for weapons, with burst-ing charge	1.2E	UN0321	II	1.2E	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges for weapons, with burst-ing charge	1.4F	UN0348	II	1.4F	.....	None	62	None	Forbidden	Forbidden	05	25
	Cartridges for weapons, with burst-ing charge	1.4E	UN0412	II	1.4E	.....	None	62	62	Forbidden	75 kg	03	25
	Cartridges, oil well	1.3C	UN0277	II	1.3C	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges, oil well	1.4C	UN0278	II	1.4C	.....	None	62	62	Forbidden	75 kg	02	25
	Cartridges, power device	1.3C	UN0275	II	1.3C	.....	None	62	62	Forbidden	75 kg	04	25
	Cartridges, power device	1.4C	UN0276	II	1.4C	110	None	62	62	Forbidden	75 kg	02	25	
	Cartridges, power device	1.4S	UN0323	II	1.4S	110, 347	63	62	62	25 kg	100 kg	01	25	
	Cartridges, power device (used to project fastening devices)	1.2C	UN0381	II	1.2C	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges, safety, blank, see Car-tridges for weapons, blank (UN 0014)	ORIM-D	UN0381	.....	.....	None	222	63	None	30 kg gross	Forbidden	A	25
	Cartridges, safety, see Cartridges for weapons, inert projectile, or Car-tridges, small arms or Cartridges, power device (UN 0323)													
	Cartridges, signal	1.3G	UN0054	II	1.3G	.....	None	62	None	None	75 kg	03	25
	Cartridges, signal	1.4G	UN0312	II	1.4G	.....	None	62	62	None	75 kg	02	25
	Cartridges, signal	1.4S	UN0405	II	1.4S	.....	None	62	62	None	100 kg	01	25
	Cartridges, small arms	ORIM-D	UN0405	.....	.....	None	222	63	None	30 kg gross	Forbidden	A	25
D	Cartridges, starter, jet engine, see Cartridges, power device													
	Cases, cartridge, empty with primer	1.4S	UN0055	II	1.4S	50	63	62	None	25 kg	100 kg	01	25	
	Cases, cartridges, empty with primer	1.4C	UN0379	II	1.4C	50	None	62	62	Forbidden	75 kg	02	25	
	Cases, combustible, empty, without primer	1.4C	UN0446	II	1.4C	.....	None	62	62	Forbidden	75 kg	02	25
	Cases, combustible, empty, without primer	1.3C	UN0447	II	1.3C	.....	None	62	62	Forbidden	Forbidden	04	25
A W	Casinghead gasoline see Gasoline													
	Castor beans or Castor meal or Castor pomace or Castor flake	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33	155	204	240	No limit	No limit	E	34, 40	

G	Description	8	UN1719	II	III	8	B2, IB2, T11, TP2, TP27, IB3, T7, TP1, TP28	154	202	242	1 L	30 L	A	29, 52
	Caustic alkali liquids, n.o.s.													
	Caustic potash, see Potassium hydroxide etc													
	Caustic soda, (etc.) see Sodium hydroxide etc													
	Cells, containing sodium	4.3	UN3292	II	4.3	189		189	189	189	No limit	A		
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	UN2000	III	4.1	None		None	213	240	100 kg	A		
	Celluloid, scrap	4.2	UN2002	III	4.2	None	IB8, IP3	None	213	241	Forbidden	D		
	Cement, see Adhesives containing flammable liquid													
	Cerium, slabs, ingots, or rods	4.1	UN1333	II	4.1	None	IB8, IP2, IP4, N34	None	212	240	50 kg	A	74, 91	
	Cerium, turnings or gritty powder	4.3	UN3078	II	4.3	151	A1, IB7, IP2, T3, TP33	151	212	242	15 kg	E	52	
	Cesium or Caesium	4.3	UN1407	I	4.3	None	A7, A19, IB4, IP1, N34, N40	None	211	242	15 kg	D	52	
	Cesium nitrate or Caesium nitrate	5.1	UN1451	III	5.1	152	A1, A29, IB8, IP3, T1, TP33	152	213	240	100 kg	A		
	Charcoal briquettes, shell, screenings, wood, etc.	4.2	NA1361	III	4.2	151	IB8, T1, TP33	151	213	240	100 kg	A	12	
	Charges, bursting, plastics bonded	1.1D	UN0457	II	1.1D	None		None	62	None	Forbidden	04	25	
	Charges, bursting, plastics bonded	1.2D	UN0458	II	1.2D	None		None	62	None	Forbidden	04	25	
	Charges, bursting, plastics bonded	1.4D	UN0459	II	1.4D	None		None	62	None	Forbidden	02	25	
	Charges, bursting, plastics bonded	1.4S	UN0460	II	1.4S	347		347	62	None	100 kg	01	25	
	Charges, demolition	1.1D	UN0048	II	1.1D	None		None	62	62	Forbidden	04	25	
	Charges, depth	1.1D	UN0056	II	1.1D	None		None	62	62	Forbidden	04	25	
	Charges, expelling explosive, for fire extinguishers, see Cartridges, power device													
	Charges, explosive, commercial without detonator	1.1D	UN0442	II	1.1D	None		None	62	None	Forbidden	04	25	
	Charges, explosive, commercial without detonator	1.2D	UN0443	II	1.2D	None		None	62	None	Forbidden	04	25	
	Charges, explosive, commercial without detonator	1.4D	UN0444	II	1.4D	None		None	62	None	Forbidden	02	25	
	Charges, explosive, commercial without detonator	1.4S	UN0445	II	1.4S	347		347	62	None	100 kg	01	25	
	Charges, propelling	1.1C	UN0271	II	1.1C	None		None	62	None	Forbidden	04	25	
	Charges, propelling	1.3C	UN0272	II	1.3C	None		None	62	None	Forbidden	04	25	
	Charges, propelling	1.2C	UN0415	II	1.2C	None		None	62	None	Forbidden	04	25	
	Charges, propelling	1.4C	UN0491	II	1.4C	None		None	62	None	Forbidden	02	25	
	Charges, propelling, for cannon	1.3C	UN0242	II	1.3C	None		None	62	None	Forbidden	04	25	
	Charges, propelling, for cannon	1.1C	UN0279	II	1.1C	None		None	62	None	Forbidden	04	25	
	Charges, propelling, for cannon	1.2C	UN0414	II	1.2C	None		None	62	None	Forbidden	04	25	
	Charges, shaped, flexible, linear	1.4D	UN0237	II	1.4D	None		None	62	None	Forbidden	02	25	
	Charges, shaped, flexible, linear	1.1D	UN0288	II	1.1D	None		None	62	None	Forbidden	04	25	
	Charges, shaped, without detonator	1.1D	UN0059	II	1.1D	None		None	62	None	Forbidden	04	25	
	Charges, shaped, without detonator	1.2D	UN0439	II	1.2D	None		None	62	None	Forbidden	04	25	
	Charges, shaped, without detonator	1.4D	UN0440	II	1.4D	None		None	62	None	Forbidden	02	25	
	Charges, shaped, without detonator	1.4S	UN0441	II	1.4S	347		347	62	None	100 kg	01	25	

UN number	Proper shipping name	Class	Subclass	Quantity	Label	Special provisions	Other	Quantity	Label	Special provisions	Other
5.1	UN2626	II	5.1	IB2, T4, TP1	None	229	None	Forbiddn	Forbiddn	Forbiddn	56, 58
2.3	UN1017		2.3, 5.1, 8	2, B9, B14, N86, T50, TP19	None	304	None	Forbiddn	Forbiddn	Forbiddn	40, 51, 55, 62, 68, 89, 90
Forbiddn	NA9191	II	5.1, 6.1		None	229	None	Forbiddn	Forbiddn	Forbiddn	
Forbiddn	UN2548		2.3, 5.1, 8	1, B7, B9, B14, N86	None	304	None	Forbiddn	Forbiddn	Forbiddn	40, 89, 90
2.3	UN1749		2.3, 5.1, 8	2, B7, B9, B14, N86	None	304	None	Forbiddn	Forbiddn	Forbiddn	40, 89, 90
8	UN1908	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2, TP24	154	202	154	30 L	1 L	B	26, 44, 89, 100, 141
		III	8	A3, A6, A7, B2, IB3, N34, T4, TP2, TP24	154	203	154	60 L	5 L	B	26, 44, 89, 100, 141
5.1	UN1462	II	5.1	352, A7, IB6, IP2, N34, T3, TP33	152	212	152	25 kg	5 kg	A	56, 58
2.1	UN2517		2.1		306	304	306	150 kg	Forbiddn	B	40
6.1	UN2236	II	6.1	IB2	153	202	153	60 L	5 L	B	40
6.1	UN3428	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	153	100 kg	25 kg	B	40
2.2	UN1021		2.2	T50	306	304	306	150 kg	75 kg	A	
6.1	UN1579	III	6.1	IB8, IP3, T1, TP33	153	213	153	200 kg	100 kg	A	
6.1	UN3410	III	6.1	IB3, T4, TP1	153	203	153	220 L	60 L	A	
2.2	UN1983		2.2	T50	306	304	306	150 kg	75 kg	A	
6.1	UN3250	II	6.1, 8	IB1, T7, TP3, TP28	None	202	None	Forbiddn	Forbiddn	C	40
6.1	UN1751	II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	153	50 kg	15 kg	C	40

D

G

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Chloroacetic acid, solution Chloroacetone, stabilized	6.1 6.1	UN1750 UN1695	II I	6.1, 8 6.1, 3, 8	A7, IB2, N34, T7, TP2 2, B9, B14, B32, N12, N32, N34, T20, TP2, TP13, TP38, TP45	153 None	202 227	243 244	1 L Forbidden	30 L Forbidden	C D	40 21, 40, 100
+	<i>Chloroacetone (unstabilized)</i> Chloroacetonitrile	Forbidden 6.1	UN2668	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 40, 52
	Chloroacetophenone, liquid, (CM)	6.1	UN3416	II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None	202	243	Forbidden	60 L	D	12, 40
	Chloroacetophenone, solid, (CM)	6.1	UN1697	II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33	None	212	None	Forbidden	100 kg	D	12, 40
	Chloroacetyl chloride	6.1	UN1752	I	6.1, 8	2, B3, B8, B9, B14, B32, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Chloroanilines, liquid	6.1	UN2019	II	6.1	IB2, T7, TP2	153	202	243	5 L 25 kg	60 L 100 kg	A	52
	Chloroanilines, solid	6.1	UN2018	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Chloroanisidines	6.1	UN2233	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Chlorobenzene	3	UN1134	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Chlorobenzol, see Chlorobenzene												
	Chlorobenzotrifluorides	3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Chlorobenzyl chlorides, liquid	6.1	UN2235	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Chlorobenzyl chlorides, solid	6.1	UN3427	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Chlorobutanes	3	UN1127	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Chlorocresols solution	6.1	UN2669	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12
	Chlorocresols, solid	6.1	UN3437	III	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	12
	Chlorodifluorobromomethane or Re-frigerant gas R 12B1	2.2	UN1974	II	2.2	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12
	Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approxi-mately 49 percent	2.2	UN1973	II	2.2	T50	306	304	314, 314, 315	75 kg	150 kg	A	
	Chlorodifluoromethane or Refrig-erant gas R 22	2.2	UN1018	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	

+	Chlorodinitrobenzenes, liquid.	6.1 UN1577	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	91
		6.1 UN3441	II	6.1		IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
+	Chlorodinitrobenzenes, solid	6.1 UN2232	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
		6.1 UN1888	III	6.1	IB3, N36, T7, TP2	153	203	241	60 L	220 L	A	40
G	Chloroformates, toxic, corrosive, flammable, n.o.s.	6.1 UN2742	II	6.1, 8, 3	5, IB1, T7, TP2	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
		6.1 UN3277	II	6.1, 8	IB2, T8, TP2, TP13,	153	202	243	1 L	30 L	A	12, 13, 25, 40
G	Chloroformates, toxic, corrosive, n.o.s.	6.1 UN2745	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
		6.1 UN2354	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
+	Chloromethyl ethyl ether	6.1 UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
		6.1 UN3409	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
+	Chloronitrobenzenes, liquid	6.1 UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
		6.1 UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
+	Chloronitrobenzenes, solid	6.1 UN3457	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	40
		2.2 UN1020	III	2.2	IB3, T4, TP1, TP33	150	304	314, 315	75 kg	150 kg	A	40
+	Chloropentafluoroethane or Refrigerant gas R 115	8 UN2904	III	8	IB3	154	203	241	5 L	60 L	A	40
		8 UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
+	Chlorophenols, liquid	6.1 UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
		6.1 UN2020	III	6.1	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	40
+	Chlorophenols, solid	8 UN1753	II	8	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40
		6.1 UN1580	I	6.1	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
+	Chloropicrin	2.3 UN1581	III	2.3	2, B9, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	25, 40
		2.3 UN1582	III	2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
G	Chloropicrin and methyl bromide mixtures	6.1 UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
		6.1 NA9263	III	6.1	IB2, IB3	153	202	243	Forbidden	Forbidden	C	40
D	Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc	6.1 UN2507	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
		3 UN1991	I	3, 6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
D	Chloroplatinic acid, solid	6.1 UN2507	III	8	B57, T14, TP2, TP13	None	213	240	Forbidden	30 L	D	40
		3 UN1991	I	3, 6.1	B57, T14, TP2, TP13	None	201	243	Forbidden	30 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) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel slowage													
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other													
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)						
G	<i>Chloroprene, uninhibited</i> 1-Chloropropane 2-Chloropropane 3-Chloropropanol-1 2-Chloropropene 2-Chloropropionic acid 2-Chloropyridine Chlorosilanes, corrosive, flammable, n.o.s. Chlorosilanes, corrosive, n.o.s. Chlorosilanes, flammable, corrosive, n.o.s. Chlorosilanes, toxic, corrosive, flammable, n.o.s. Chlorosilanes, toxic, corrosive, n.o.s.	Forbidden	UN1278 UN2356 UN2849 UN2456 UN2511 UN2822 UN2986 UN2987 UN2985 UN3362 UN3361 UN2988	II I III I III II II II II II II I	3 3 6.1 3 8 6.1 8 8 3 6.1 6.1 4.3, 3, 8	(7)	None	202 201 203 201 203 202 206 206 206 206 201	242 243 241 243 241 243 243 243 242 243 243 244	Forbidden 1 L 60 L 1 L 1 L 5 L 5 L Forbidden Forbidden Forbidden Forbidden Forbidden	60 L 30 L 220 L 30 L 60 L 60 L 30 L 30 L 30 L 1 L	E E A E A A C C B C C D	Other													
														+	Chlorosulfonic acid (<i>with or without sulfur trioxide</i>) Chlorotoluenes Chlorotoluidines, liquid Chlorotoluidines, solid Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane Chlorotrifluoromethane or Refrigerant gas R 13 Chromic acid solution	8 3 6.1 6.1 2.2 2.2 8	UN1754 UN2238 UN3429 UN2239 UN2599 UN1022 UN1755	I III III III II II II	8, 6.1 3 6.1 6.1 2.2 2.2 8	2, B9, B10, B14, B32, T20, TP2, TP38, TP45 B1, IB3, T2, TP1 IB3, T4, TP1 IB8, IP3, T1, TP33	None	227 203 203 213 304 306 304 202	244 242 241 240 314, 315 315 314, 315 242	Forbidden Forbidden 60 L 60 L 220 L 200 kg 75 kg Forbidden Forbidden 150 kg 30 L	C A A A A A A A A C	40 40 40, 125 40 21, 28, 40, 49, 100 40 40, 44, 89, 100, 141

		III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 44, 89, 100, 141
<i>Chromic anhydride, see Chromium trioxide, anhydrous</i>											
<i>Chromic fluoride, solid</i>	8 UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
<i>Chromic fluoride, solution</i>	8 UN1757	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
<i>Chromium nitrate</i>	5.1 UN2720	III	5.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	
<i>Chromium oxychloride</i>	8 UN1758	I	8	A1, A29, IB8, IP3, T1, TP33	None	201	240	25 kg	100 kg	A	
<i>Chromium trioxide, anhydrous</i>	5.1 UN1463	II	5.1, 6.1, 8	A3, A6, A7, B10, N34, T10, TP2	None	212	242	0.5 L	2.5 L	C	40, 66, 74, 89, 90
<i>Chromosulfuric acid</i>	8 UN2240	I	8	IB8, IP2, IP4, T3, TP33	None	201	243	5 kg	25 kg	A	66, 90
<i>Chromyl chloride, see Chromium oxychloride</i>											
<i>Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.</i>											
<i>Coal briquettes, hot</i>	Forbiddn										
<i>Coal gas, compressed</i>	2.3 UN1023		2.3, 2.1	3	None	302	314, 315	Forbiddn	Forbiddn	D	40
<i>Coal tar distillates, flammable</i>	3 UN1136	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Coal tar dye, corrosive, liquid, n.o.s., see Dyes, liquid or solid, n.o.s. or Dye intermediates, liquid or solid, corrosive, n.o.s.</i>		III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
<i>Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)</i>	3 UN1139	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
<i>Cobalt naphthenates, powder</i>	4.1 UN2001	II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
<i>Cobalt resinates, precipitated</i>	4.1 UN1318	III	4.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
<i>Coke, hot</i>	Forbiddn	III	4.1	A19, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
<i>Collodion, see Nitrocellulose etc</i>											
<i>Combustible liquid, n.o.s.</i>	Comb liq NA1993	III	None	IB3, T1, T4, TP1	150	203	241	60 L	220 L	A	25
<i>Components, explosive train, n.o.s</i>	1.2B UN0382	II	1.2B	101	None	62	None	Forbiddn	Forbiddn	05	25
<i>Components, explosive train, n.o.s</i>	1.4B UN0383	II	1.4B	101	None	62	None	Forbiddn	75 kg	05	25
<i>Components, explosive train, n.o.s</i>	1.4S UN0384	II	1.4S	101	None	62	None	Forbiddn	100 kg	01	25

D G
G
G
G

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Components, explosive train, n.o.s <i>Compositor B, see Hexollite, etc</i>	1.1B	UN0461	II	1.1B	101	None	62	None	Forbidden	Forbidden	05	25
D G	Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
D G	Compounds, cleaning liquid	3	NA1993	III	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
D G	Compounds, cleaning liquid	3	NA1993	I	3	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, cleaning liquid	3	NA1993	II	3	IB2, T7, TP1, TP8, TP28	150	201	243	1 L	30 L	E	40
D G	Compounds, cleaning liquid	3	NA1993	III	3	B1, B52, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	40
D G	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
D G	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	3	NA1993	III	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
D G	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	3	NA1993	I	3	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	6.1	NA2810	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Compressed gas, flammable, n.o.s.	2.1	UN1954	III	6.1	IB2, T7, TP1, TP8, TP28	153	202	243	5 L	60 L	B	40
G	Compressed gas, n.o.s.	2.2	UN1956	II	2.2	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	40
G	Compressed gas, oxidizing, n.o.s.	2.2	UN3156	II	2.2, 5.1	T14, TP2, TP13, TP27	306, 307	302, 305	314, 315	75 kg	150 kg	A	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3304	III	2.3, 8	IB2, T11, TP2, TP27	A14	302	314, 315	75 kg	150 kg	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3304	III	2.3, 8	IB3, T7, TP1, TP28	1	192	245	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3304	III	2.3, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3304	III	2.3, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40

Pipeline and Haz. Matls. Safety Admin., DOT

§ 172.101

G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3304	2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3305	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3305	2.3, 2.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3305	2.3, 2.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3305	2.3, 2.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN1953	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN1953	2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN1953	2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN1953	2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN1955	2.3	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN1955	2.3	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN1955	2.3	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN1955	2.3	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3306	2.3, 5.1, 8	1	None	192	244	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3306	2.3, 5.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3306	2.3, 5.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3306	2.3, 5.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3303	2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3303	2.3, 5.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3303	2.3, 5.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3303	2.3, 5.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Consumer commodity	ORM-D		.....	None	222	156, 306	156, 306	None	30 kg gross	Forbidden	A	
	Consumer commodity	9	ID8000		9		167	167	None	30 kg gross	30 kg gross		
G	Contrivances, water-activated, with burster, expelling charge or propelling charge	1.2L	UN0248	II	1.2L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with burster, expelling charge or propelling charge	1.3L	UN0249	II	1.3L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Copper acetoarsenite	6.1	UN1585	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper acetylacide	Forbidden											
	Copper amine azide	6.1	UN1586	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper arsenite	6.1	UN2776	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C			II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, liquid, toxic			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C			III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Copper based pesticides, liquid, toxic	6.1	UN3009	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, solid, toxic	6.1	UN2775	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper chlorate	5.1	UN2721	II	5.1	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	240	100 kg	200 kg	A	40
				II	5.1	A1, IB6, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58

A W	Copper chloride	8	UN2802	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52	
	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	153	204	242	25 kg	100 kg	A		
	Copper selenate, see Selenates or Selenites													
	Copper selenite, see Selenates or Selenites													
	Copper tetramine nitrate	Forbidden												
	Copra	4.2	UN1363	III	4.2	IB8, IP3, IP7	None	213	241	Forbidden	Forbidden	Forbidden	A	13, 25, 119
	Cord, detonating, flexible	1.1D	UN0065	II	1.1D	102	63(a)	62	None	Forbidden	Forbidden	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	
Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible														
Cordite, see Powder, smokeless														
Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3264	I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40		
Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40		
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40		
			I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40		
Corrosive liquid, basic, inorganic, n.o.s.	8	UN3266	I	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40		
			II	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40		
			I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52		
Corrosive liquid, basic, organic, n.o.s.	8	UN3267	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52		
			II	8, 4.2	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52		
			I	8, 4.2	A6, B10	None	201	243	0.5 L	2.5 L	D	40, 52		
Corrosive liquids, flammable, n.o.s.	8	UN2920	I	8, 3	B2, IB1	154	202	242	1 L	30 L	D	40, 52		
			I	8, 3	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	C	25, 40		
Corrosive liquids, n.o.s.	8	UN1760	II	8, 3	B2, IB2, T11, TP2, TP27	None	202	243	1 L	30 L	C	25, 40		
			I	8	A6, A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40		
			II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40		
			III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40		
Corrosive liquids, oxidizing, n.o.s.	8	UN3093	I	8, 5.1	A6, A7	None	201	243	Forbidden	Forbidden	2.5 L	C	89	
			II	8, 5.1	A6, A7, IB2	None	202	243	1 L	30 L	C	89		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Corrosive liquids, toxic, n.o.s.	8	UN2922	I	8, 6.1	A6, A7, B10, T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Corrosive liquids, water-reactive, n.o.s.	8	UN3094	I	8, 4.3	B3, IB2, T7, TP2 IB3, T7, TP1, TP28 A6, A7	154	202	243	1 L	30 L	B	40
							154	203	241	5 L	60 L	B	40
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	I	8, 4.3	IB7, IP1, T6, TP33 A6, A7	None	202	243	1 L	5 L	E	
							None	211	242	1 kg	25 kg	B	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	III	8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	154	212	240	15 kg	50 kg	B	
							154	213	240	25 kg	100 kg	A	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	I	8	IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
							154	213	240	25 kg	100 kg	A	52
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	III	8	IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	None	211	242	1 kg	25 kg	B	
							154	212	240	15 kg	50 kg	B	
G	Corrosive solids, flammable, n.o.s.	8	UN2921	I	8, 4.1	IB6, T6, TP33 IB8, IP2, IP4, T3, TP33	None	211	242	1 kg	25 kg	B	12, 25
							None	212	242	1 kg	25 kg	B	12, 25
G	Corrosive solids, n.o.s.	8	UN1759	II	8	128, IB8, IP2, IP4, T3, TP33 128, IB8, IP3, T1, TP33	154	212	240	15 kg	50 kg	A	
							154	213	240	25 kg	100 kg	A	
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084	II	8, 5.1	IB6, IP2, T3, TP33 IB6, IP2, T6, TP33	None	211	242	1 kg	25 kg	C	
							None	212	242	1 kg	25 kg	C	
G	Corrosive solids, self-heating, n.o.s.	8	UN3095	II	8, 4.2	IB6, IP2, T3, TP33 IB7, T6, TP33	None	211	243	1 kg	25 kg	C	
							None	212	242	1 kg	25 kg	C	
G	Corrosive solids, toxic, n.o.s.	8	UN2923	I	8, 6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	None	211	242	1 kg	25 kg	B	40
							154	212	240	15 kg	50 kg	B	40
G	Corrosive solids, water-reactive, n.o.s.	8	UN3096	I	8, 4.3	IB4, IP1, T6, TP33 IB4, IP1, T6, TP33	None	211	243	1 kg	25 kg	D	40, 95
							None	212	240	15 kg	50 kg	B	40, 95

D W	Cotton	9	NA1365	II	8, 4.3	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	40
A W	Cotton waste, oily	4.2	UN1364	III	9	137, IB8, IP2, IP4, W41	None	None	None	No limit	No limit	A	54
A 1 W	Cotton, wet	4.2	UN1365	III	4.2	IB8, IP3, IP7	None	213	None	Forbiddn	Forbiddn	A	
	Coumarin derivative pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C	4.2	UN3024	I	3, 6.1	IB8, IP3, IP7	None	204	241	Forbiddn	Forbiddn	A	40
		3	UN3024	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	B	
	Coumarin derivative pesticides, liq-uid, toxic	6.1	UN3026	I	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Coumarin derivative pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3025	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
		6.1	UN3025	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
		6.1	UN3025	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
		6.1	UN3025	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Coumarin derivative pesticides, solid, toxic	6.1	UN3027	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
		6.1	UN3027	III	6.1, 3	B1, IB3, T7, TP1, TP28	153	203	242	60 L	220 L	A	40
		6.1	UN3027	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Cresols, liquid	6.1	UN2076	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Cresols, solid	6.1	UN3455	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Cresylic acid	6.1	UN2022	II	6.1, 8	IB2, IP2, IP4, T7, TP2	153	202	243	1 L	30 L	B	
	Crotonaldehyde or Crotonaldehyde, stabilized	6.1	UN1143	I	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	
		6.1	UN1143	I	6.1, 3	IB2, T7, TP2, TP13	None	202	243	1 L	30 L	B	40
		8	UN3472	III	8	2, 175, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	
	Crotonic acid, liquid	8	UN2823	III	8	IB8, T1	154	203	241	5 L	60 L	A	12.
	Crotonic acid, solid	3	UN1144	I	3	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12.
	Cupriethylenediamine solution	8	UN1761	III	8, 6.1	T11, TP2	150	201	243	1 L	30 L	E	
	Cutters, cable, explosive	1.4S	UN0070	II	1.4S	IB2, T7, TP2	154	202	243	1 L	30 L	A	95
	Cyanide or cyanide mixtures, dry, n.o.s., see Cyanides, inorganic, solid, n.o.s.	6.1	UN1935	I	6.1	IB3, T7, TP1, TP28	154	203	242	5 L	60 L	A	25
		6.1	UN1935	II	6.1	.....	None	62	62	25 kg	100 kg	01	
	Cyanide solutions, n.o.s.	6.1	UN1588	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
		6.1	UN1588	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52
		6.1	UN1588	III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52
		6.1	UN1588	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52
		6.1	UN1588	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
		6.1	UN1588	III	6.1	IB8, IP3, N74, N75, T1, TP33	153	213	240	100 kg	200 kg	A	52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Cyanogen	2.3	UN1026		2.3, 2.1	2		304	245	Forbidden	Forbidden	D	40
	Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8, T6, TP33	211	242	242	1 kg	15 kg	D	40
	Cyanogen chloride, stabilized	2.3	UN1589		2.3, 8	1	192	245	245	Forbidden	Forbidden	D	40
	Cyanuric chloride	8	UN2670	II	8	IB8, IP2, IP4, T3, TP33	212	240	240	15 kg	50 kg	A	12, 40
	Cyanuric triazide	Forbidden											
	Cyclobutane	2.1	UN2601		2.1		306	314,	315	Forbidden	150 kg	B	40
	Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8, 3	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
	1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Cycloheptane	3	UN2241	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Cycloheptatriene	3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Cycloheptene	3	UN2242	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Cyclohexane	3	UN1145	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	Cyclohexanone	3	UN1915	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Cyclohexene	3	UN2256	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	Cyclohexenyltrichlorosilane	8	UN1762	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Cyclohexyl acetate	3	UN2243	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Cyclohexyl isocyanate	6.1	UN2488	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Cyclohexyl mercaptan	3	UN3054	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 95
	Cyclohexylamine	8	UN2357	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	40
	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Cyclonite and cyclotetramethylenetetramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc												
	Cyclonite and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Cymenes	3	UN2046	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dangerous Goods in Machinery or Dangerous Goods in Apparatus	9	UN3363			136, A105	None	222	None	See A105	See A105	A.	
	Decaborane	4.1	UN1868	II	4.1, 6.1	A19, A20, IB6, IP2, T3, TP33	None	212	None	Forbidden	50 kg	A	74
	Decahydronaphthalene	3	UN1147	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	n-Decane	3	UN2247	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Deflagrating metal salts of aromatic nitroderivatives, n.o.s	1.3C	UN0132	II	1.3C	None	62	None	Forbidden	Forbidden	04	25, 5E
	Delay electric igniter, see Igniters												
	Denatured alcohol	3	NA1987	II	3	172, T8	150	202	242	5 L	60 L	B	
	Depth charges, see Charges, depth												
	Desensitized explosive, liquid, n.o.s.	3	UN3379	I	3	164	None	201	None	Forbidden	Forbidden	D	36
Desensitized explosive, solid, n.o.s., Detonating relays, see Detonators, etc	4.1	UN3380	I	4.1	164	None	211	None	Forbidden	Forbidden	D	28, 36	
Detonator assemblies, non-electric for blasting	1.1B	UN0360	II	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Detonator assemblies, non-electric, for blasting	1.4B	UN0361	II	1.4B	103	63(f), 63(g)	62	None	Forbidden	75 kg	05	25	
Detonator assemblies, non-electric, for blasting	1.4S	UN0500	II	1.4S	347	63(f), 63(g)	62	None	None	100 kg	01	25	
Detonators, electric, for blasting	1.1B	UN0030	II	1.1B	.....	63(f), 63(g)	62	None	None	Forbidden	05	25
Detonators, electric, for blasting	1.4B	UN0255	II	1.4B	103	63(f), 63(g)	62	None	None	75 kg	05	25	
Detonators, electric, for blasting	1.4S	UN0456	II	1.4S	347	63(f), 63(g)	62	None	None	100 kg	01	25	
Detonators for ammunition	1.1B	UN0073	II	1.1B	.....	63(g)	62	None	None	Forbidden	05	25
Detonators for ammunition	1.2B	UN0364	II	1.2B	.....	None	62	None	None	Forbidden	05	25
Detonators for ammunition	1.4B	UN0365	II	1.4B	103	None	62	None	None	Forbidden	05	25	
Detonators for ammunition	1.4S	UN0366	II	1.4S	347	None	62	None	None	75 kg	05	25	
Detonators, non-electric, for blasting	1.1B	UN0029	II	1.1B	.....	103	62	None	None	100 kg	01	25
Detonators, non-electric, for blasting	1.4B	UN0267	II	1.4B	.....	63(f), 63(g)	62	None	None	Forbidden	05	25
Detonators, non-electric, for blasting	1.4S	UN0455	II	1.4S	347	63(f), 63(g)	62	None	None	100 kg	01	25	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Diazodinitrophenol (dry) Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass Diazodiphenylmethane Diazonium nitrates (dry) Diazonium perchlorates (dry) 1,3-Diazopropane Dibenzyl peroxycarbonate, with more than 87 percent with water Dibenzylchlorosilane Diborane	Forbidden 1.1A	UN0074	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
		Forbidden 2.3	UN2434	II	8	B2, T10, TP2, TP7, TP13	154	206	242	Forbidden	Forbidden	C	40
		Forbidden 2.1	UN1911	III	2.3, 2.1	1, N89	None	302	None	Forbidden	Forbidden	D	40, 57
		Forbidden 2.1	NA1911	III	2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57
		Forbidden 6.1	UN2648	II	6.1	IB2	153	202	243	5 L	60 L	B	40
		Forbidden 6.1	UN2872	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
		Forbidden 6.1	UN1941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	25
		Forbidden 9	UN1941	III	None	T11, TP2	155	203	241	100 L	220 L	A	25
		Forbidden 6.1	UN2664	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
		Forbidden 3	UN1149	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
A	Dibromodifluoromethane, F12B2 1,2-Dibromoethane, see Ethylene dibromide Dibromomethane Dibutyl ethers Dibutylaminoethanol N,N'-Dichlorozodiacarbonamidine (salts of) (dry) 1,1-Dichloro-1-nitroethane	Forbidden 6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
		Forbidden 6.1	UN2650	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40, 74
		Forbidden 6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40
		Forbidden 8	UN1764	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	40
		Forbidden 6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40
		Forbidden 8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40
		Forbidden 6.1	UN2650	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40, 74
		Forbidden 6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40
		Forbidden 8	UN1764	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	40
		Forbidden 6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40
Forbidden 8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40		
D	Dichloroacetic acid	Forbidden 8	UN1764	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	40
D	1,3-Dichloroacetone	Forbidden 6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40
D	Dichloroacetyl chloride	Forbidden 8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40
D	Dichloroacetylene	Forbidden											

+	Dichloroanilines, liquid	6.1	UN1590	II	6.1	IB8, IP2, IP4, T3, TP33	153	202	243	5 L	60 L	A	40
	Dichloroanilines, solid	6.1	UN3442	III	6.1	IB3, T4, TP1	153	212	242	25 kg	100 kg	A	40
+	o-Dichlorobenzene	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	2,2-Dichlorodiethyl ether	6.1, 3	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 approximately 74 percent dichlorodifluoromethane	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	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1, 3	None	None	201	243	Forbidden	Forbidden	B	40
	1,1-Dichloroethane	3	UN2362	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	1,2-Dichloroethane, see Ethylene dichloride	Forbidden											
	Dichloroethyl sulfide	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	
	1,2-Dichloroethylene	3	UN1029	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorofluoromethane or Refrigerant gas R21	2.2	UN1029	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13
	Dichloroisopropyl ether	6.1	UN2490	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	
	Dichloromethane	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	203	241	60 L	220 L	A	
	Dichloropentanes	3	UN1152	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dichlorophenyl isocyanates	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40
	Dichlorophenyltrichlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	1,2-Dichloropropane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	
	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40
	Dichloropropene and propylene dichloride mixture, see 1,2-Dichloropropene												
	Dichloropropenes	3	UN2047	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Dichlorosilane	2.3	UN2189	III	2.3, 2.1, 8	B1, IB3, T2, TP1, 2, B9, B14	None	203	242	60 L	220 L	A	
	1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114	2.2	UN1958	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorovinylchloroarsine	Forbidden											
	Dicycloheptadiene, see Bicyclo[2.2.1]hepta-2,5-diene, stabilized												
	Dicyclohexylamine	8	UN2565	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	25
	Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Dicyclopentadiene	3	UN2048	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Didymium nitrate	5.1	UN1465	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
D	Diesel fuel	3	NA1993	III	None	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
I	Diesel fuel	3	UN1202	III	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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>Diethanol nitrosamine dinitrate (dry)</i>	Forbidden	UN2373	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
	<i>Diethoxyethane</i>	3	UN2374	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	<i>Diethyl carbonate</i>	3	UN2366	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A		
	<i>Diethyl cellosolve, see Ethylene glycol diethyl ether</i>													
	<i>Diethyl ether or Ethyl ether</i>	3	UN1155	I	3	T11, TP2	150	201	243	1 L	30 L	E	40	
	<i>Diethyl ketone</i>	3	UN1156	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	<i>Diethyl peroxydicarbonate, with more than 27 percent in solution</i>	Forbidden												
	<i>Diethyl sulfate</i>	6.1	UN1594	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	C		
	<i>Diethyl sulfide</i>	3	UN2375	II	3	IB2, T7, TP1, TP13	None	202	243	5 L	60 L	E		
	<i>Diethylamine</i>	3	UN1154	II	3, 8	A3, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40	
	<i>2-Diethylaminoethanol</i>	8	UN2686	II	8, 3	B2, IB2, T7, TP2	None	202	243	1 L	30 L	A		
	<i>3-Diethylanino-propylamine.</i>	3	UN2684	III	3, 8	B1, B3, T4, TP1	150	203	242	5 L	60 L	A		
	<i>N, N-Diethylaniline</i>	6.1	UN2432	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	<i>Diethylbenzene</i>	3	UN2049	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A		
	<i>Diethyldichlorosilane</i>	8	UN1767	II	8, 3	A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40	
<i>Diethylene glycol dinitrate</i>	Forbidden													
<i>Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble phlegmatizer, by mass</i>	1.1D	UN0075	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 21E	
<i>Diethylenetriamine</i>	8	UN2079	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 52		
<i>N,N-Diethylethylenediamine</i>	8	UN2685	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A			
<i>Diethylgold bromide</i>	Forbidden													
<i>Diethylthiophosphoryl chloride</i>	8	UN2751	II	8	B2, IB2, T7, TP2	None	212	240	15 kg	50 kg	D	12, 40		
<i>Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes</i>														
<i>1,1-Difluoroethane or Refrigerant gas R 152a</i>	2.1	UN1030	2.1	2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40		
<i>1,1-Difluoroethylene or Refrigerant gas R 1132a</i>	2.1	UN1959	2.1	2.1	T50	306	304	None	Forbidden	150 kg	E	40		
<i>Difluoromethane or Refrigerant gas R 32</i>	2.1	UN3252	2.1	2.1	T50	306	302	314, 315	Forbidden	150 kg	D	40		
<i>Difluorophosphoric acid, anhydrous</i>	8	UN1768	II	8	A6, A7, B2, IB2, N5, N34, T8, TP2	None	202	242	1 L	30 L	A	40		

UN number	Proper shipping name	Class	Division	Subdivision	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions	
UN2376	2,3-Dihydroxyran 1,8-Dihydroxy-2,4,5,7- tetranitroanthraquinone (chrysaminic acid)	3	Forbidden	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	B
UN1157	Dioacetylene	3	Forbidden	III	3	B1, IB3, T2, TP1	150		203	242	60 L	220 L	A
UN2361	Diisobutyl ketone	3	Forbidden	III	3, 8	B1, IB3, T4, TP1	150		203	242	5 L	60 L	A
UN2050	Diisobutylamine	3	Forbidden	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	B
UN1902	Diisobutylene, isomeric compounds	8	Forbidden	III	8	IB3, T4, TP1	154		203	241	5 L	60 L	A
UN1159	Diisocetyl ether	3	Forbidden	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	E
UN1158	Diisopropylamine	3	Forbidden	II	3, 8	IB2, T7, TP1	150		202	243	1 L	5 L	B
UN2521	Diisopropylbenzene hydroperoxide, with more than 72 percent in so- lution	6.1	Forbidden	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None		227	244	Forbidden	Forbidden	D
UN252	Diketene, stabilized	3	Forbidden	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	B
UN2377	1,2-Dimethoxyethane	3	Forbidden	II	3	IB2, T7, TP1	150		202	242	5 L	60 L	B
UN1161	Dimethyl carbonate	3	Forbidden	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	B
UN2381	Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride	3	Forbidden	II	3	IB2, T7, TP2, TP13, TP39	150		202	242	Forbidden	Forbidden	B
UN2381	Dimethyl disulfide	3	Forbidden	II	3, 6.1	IB2, T7, TP2, TP13, TP39	150		202	242	Forbidden	Forbidden	B
UN1033	Dimethyl ether	2.1	Forbidden	I	2.1	T50	306		304	314, 315	Forbidden	150 kg	B
UN2266	Dimethyl-N-propylamine	3	Forbidden	II	3, 8	IB2, T7, TP2, TP13	150		202	243	1 L	5 L	B
UN1595	Dimethyl sulfate	6.1	Forbidden	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None		227	244	Forbidden	Forbidden	D
UN1164	Dimethyl sulfide	3	Forbidden	II	3	IB2, IP8, T7, TP2	150		202	242	5 L	60 L	E
UN2267	Dimethyl thiophosphoryl chloride	6.1	Forbidden	II	6.1, 8	IB2, T7, TP2	153		202	243	1 L	30 L	B
UN1032	Dimethylamine, anhydrous	2.1	Forbidden	I	2.1	N87, T50	None		304	314, 315	Forbidden	150 kg	D
UN1160	Dimethylamine solution	3	Forbidden	II	3, 8	IB2, T7, TP1	150		202	243	1 L	5 L	B
UN2378	2-Dimethylaminoacetone	3	Forbidden	II	3, 6.1	IB2, T7, TP1	150		202	243	1 L	60 L	A
UN2051	2-Dimethylaminoethanol	8	Forbidden	II	8, 3	B2, IB2, T7, TP2	154		202	243	1 L	30 L	A
UN3302	2-Dimethylaminoethyl acrylate	6.1	Forbidden	II	6.1	IB2, T7, TP2	153		202	243	5 L	60 L	D
UN2522	2-Dimethylaminoethyl methacrylate	6.1	Forbidden	II	6.1	IB2, T7, TP2	153		202	243	5 L	60 L	B
UN2523	N,N-Dimethylaniline	3	Forbidden	II	3	IB1, T7, TP2	153		202	243	5 L	60 L	A
UN2457	2,3-Dimethylbutane	3	Forbidden	II	3, 8	IB2, T7, TP1	150		202	242	5 L	60 L	E
UN2379	1, 3-Dimethylbutylamine	3	Forbidden	II	3, 8	IB2, T7, TP1	150		202	242	1 L	5 L	B
UN2262	Dimethylcarbamoyl chloride	8	Forbidden	II	8	B2, IB2, T7, TP2	154		202	242	1 L	30 L	A
UN2263	Dimethylcyclohexanes	3	Forbidden	II	3	IB2, T4, TP1	150		202	242	5 L	60 L	B
UN2264	N,N-Dimethylcyclohexylamine	3	Forbidden	II	8, 3	B2, IB2, T7, TP2	154		202	243	1 L	30 L	A
UN1162	Dimethyldichlorosilane	3	Forbidden	II	3, 8	B77, T10, TP2, TP7, TP13	None		206	243	Forbidden	Forbidden	B
UN2380	Dimethyldiethoxysilane	3	Forbidden	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)
	Dimethyldioxanes	3	UN2707	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N,N-Dimethylformamide	3	UN2265	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dimethylhexane dihydroperoxide (dry)	Forbidden		III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Dimethylhydrazine, symmetrical	6.1	UN2382	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52, 74
	Dimethylhydrazine, unsymmetrical	6.1	UN1163	I	6.1, 3, 8	2, B7, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 38, 40, 52, 100, 40
	2,2-Dimethylpropane	2.1	UN2044		2.1	IB8, IP2, IP4, T3, TP33	306	304	314, 315	Forbidden	150 kg	E	
	Dinitro-o-cresol	6.1	UN1598	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	1,3-Dinitro-5,5-dimethyl hydantoin	Forbidden											
	Dinitro-7,8-dimethylglycoluril (dry)	Forbidden											
	1,3-Dinitro-4,5-dinitrobenzene	Forbidden											
	1,4-Dinitro-1,1,4,4-tetramethylolbutanetetrahydrate (dry)	Forbidden											
	2,4-Dinitro-1,3,5-trimethylbenzene	6.1	UN1596	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
	Dinitroanilines	6.1	UN1597	II	6.1	11, IB2, T7, TP2	153	202	243	5 L	60 L	A	91
	Dinitrobenzenes, liquid	6.1	UN3443	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, Chlorodinitrobenzene	see											
	1,2-Dinitroethane	Forbidden											
	1,1-Dinitroethane (dry)	Forbidden											
	Dinitrogen tetroxide	2.3	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
	Dinitroglucuril or Dingu	1,1D	UN0489	II	1,1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Dinitromethane	Forbidden											
	Dinitrophenol, dry or wetted with less than 15 percent water, by mass	1,1D	UN0076	II	1,1D, 6.1	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Dinitrophenol solutions	6.1	UN1599	II	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	III	6.1, 4.1, 6.1	IB3, T4, TP1	203	241	60 L 1 kg	220 L 15 kg	A	36 28, 36
Dinitrophenolates alkali metals, dry or wetted with less than 15 percent water, by mass	1.3C	UN0077	I	1.3C, 6.1	23, A8, A19, A20, N41	211	None	None	E	E	28, 36
Dinitrophenolates, wetted with not less than 15 percent water, by mass	4.1	UN1321	I	4.1, 6.1	23, A8, A19, A20, N41	211	None	1 kg	15 kg	E	28, 36
Dinitropropylene glycol	Forbidden										
Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0078	II	1.1D		62	None	Forbidden	Forbidden	04	25, 5E
2,4-Dinitroresorcinol (heavy metal salts of)	Forbidden										
4,6-Dinitroresorcinol (heavy metal salts of) (dry)	Forbidden										
Dinitroresorcinol, wetted with not less than 15 percent water, by mass	4.1	UN1322	I	4.1	23, A8, A19, A20, N41	211	None	1 kg	15 kg	E	28, 36
3,5-Dinitrosalicylic acid (lead salt) (dry)	Forbidden										
Dinitrosobenzene	1.3C	UN0406	II	1.3C		62	None	Forbidden	Forbidden	04	25
2,2-Dinitrostilbene	Forbidden										
Dinitrotoluenes, liquid	6.1	UN2038	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	A	40
Dinitrotoluenes, molten	6.1	UN1600	II	6.1	T7, TP3	202	243	Forbidden	Forbidden	C	40
Dinitrotoluenes, solid	6.1	UN3454	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	40
1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry)	Forbidden										
Dioxane	3	UN1165	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
Dioxolane	3	UN1166	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
Dipentene	3	UN2052	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	40
Diphenylamine chloroarsine	6.1	UN1698	I	6.1	T6, TP33	201	None	Forbidden	Forbidden	D	40
Diphenylchloroarsine, liquid	6.1	UN1699	I	6.1	A8, B14, B32, N33, N34, T14, TP2, TP13, TP27	201	243	Forbidden	30 L	D	40
Diphenylchloroarsine, solid	6.1	UN3450	I	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	D	40
Diphenyldichlorosilane	8	UN1769	II	8	A7, B2, N34, T10, TP2, TP7, TP13	206	242	Forbidden	30 L	C	40
Diphenylmethyl bromide	8	UN1770	II	8	IB8, IP2, IP4, T3, TP33	212	240	15 kg	50 kg	D	40
Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass	1.1D	UN0401	II	1.1D		62	None	Forbidden	Forbidden	04	25
Dipicryl sulfide, wetted with not less than 10 percent water, by mass	4.1	UN2852	I	4.1	162, A2, N41, N84	211	None	Forbidden	0.5 kg	D	28
Dipicylamine, see Hexanitrodiphenylamine											
Dipropionyl peroxide, with more than 28 percent in solution	Forbidden										
Di-n-propyl ether	3	UN2384	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
Dipropyl ketone	3	UN2710	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Dipropylamine Disinfectant, liquid, corrosive, n.o.s.	3 8	UN2383 UN1903	II I	3, 8	A6, A7, B10, T14, TP2, TP27	None	202	1 L	5 L	B	B	
								201	0.5 L	2.5 L			
G	Disinfectants, liquid, corrosive n.o.s.	8	UN1903	III	8	B2, IB2, T7, TP2	154	202	1 L	30 L	B	A	
								203	5 L	60 L			
G	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	I	6.1	A4, T14, TP2, TP27	None	201	1 L	30 L	A	A	
								202	5 L	60 L			
G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	III	6.1	IB2, T11, TP2, TP27	153	203	60 L	220 L	A	A	
								202	5 L	50 kg			
G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	II	6.1	IB7, IP1, T6, TP33	None	211	5 kg	100 kg	A	A	
								212	25 kg	100 kg			
G	Disodium trioxosilicate Dispersant gases, n.o.s. see Refrigerant gases, n.o.s. Divinyl ether, stabilized Dodecyltrichlorosilane	8	UN3253	III	8	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	A	
								214	25 kg	100 kg			
G	Dry ice, see Carbon dioxide, solid Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, corrosive, n.o.s.	3 8	UN1167 UN1771	I II	3 8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	201	1 L	30 L	E	40	
								206	Forbidden	30 L			
G	Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	8	UN2801	I	8	11, A6, B10, T14, TP2, TP27	None	201	0.5 L	2.5 L	A	A	
								202	1 L	30 L			
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	203	5 L	60 L	A	A	
								201	1 L	30 L			
G	Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	8	IB7, IP1, T6, TP33	None	202	5 L	60 L	A	A	
								203	60 L	220 L			
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	154	212	15 kg	50 kg	A	A	
								213	25 kg	100 kg			
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	5 kg	50 kg	A	A	
								212	25 kg	100 kg			
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	213	100 kg	200 kg	A	A	
								214	25 kg	100 kg			

G	Dynamite, <i>see</i> Explosive, blasting, Type A. Electrolyte (acid or alkali) for batteries, <i>see</i> 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	247	Forbidden	Forbidden	A	85
G	Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.)	9	UN3257	III	9	IB1, T3, TP3, TP29	None	247	Forbidden	Forbidden	A	85
G	Elevated temperature liquid, n.o.s., at or above 240 C, <i>see</i> § 173.247(h)(4)	9	UN3258	III	9		247 (h)(4)	247	Forbidden	Forbidden	A	85
G	Engines, internal combustion, or Engines, fuel cell, flammable gas powered	9	UN3166	.....	9	135, A200	220	220	Forbidden	No limit	A	
G	Engines internal combustion, or Engines, fuel cell, flammable liquid powered	9	UN3166	.....	9	135, A200	220	220	No limit	No limit	A	
G	Environmentally hazardous substance, liquid, n.o.s.	9	UN3082	III	9	8, 146, 173, 335, IB3, T4, TP1, TP29	155	241	No limit	No limit	A	
G	Environmentally hazardous substances, solid, n.o.s	9	UN3077	III	9	8, 146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33	155	240	No Limit	No Limit	A	
+	Epibromohydrin	6.1	UN2558	I	6.1, 3	T14, TP2, TP13	None	243	Forbidden	Forbidden	D	40
	Epichlorohydrin	6.1	UN2023	II	6.1, 3	IB2, T7, TP2, TP13	153	243	5 L	60 L	A	40
	1,2-Epoxy-3-ethoxypropane	3	UN2752	III	3	B1, IB3, T2, TP1	150	242	60 L	220 L	A	
	Esters, n.o.s.	3	UN3272	II	3	IB2, T7, TP1, TP8, TP28	150	242	5 L	60 L	B	
				III	3	B1, IB3, T4, TP1, TP29	150	242	60 L	220 L	A	
D	Etching acid, liquid, n.o.s., <i>see</i> Hydrofluoric acid, etc	2.1	UN1035		2.1		306	302	Forbidden	150 kg	E	40
	Ethane	2.1	NA1961		2.1	T75, TP5	None	314, 315	Forbidden	Forbidden	D	40
	Ethane-Propane mixture, refrigerated liquid	2.1	UN1961		2.1	T75, TP5	None	315	Forbidden	Forbidden	D	40
	Ethane, refrigerated liquid	2.1	UN1961		2.1		None	242	5 L	60 L	E	
	Ethanol amine dinitrate	Forbidden										
	Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol	3	UN3475	II	3	144, 177, IB2, T4, TP1	150	242	5 L	60 L	E	
	Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions	3	UN1170	II	3	24, IB2, T4, TP1	4b, 150	242	5 L	60 L	A	
	Ethanolamine or Ethanolamine solutions	8	UN2491	III	8	24, B1, IB3, T2, TP1, IB3, T4, TP1	4b, 150, 154	242, 241	60 L, 5 L	220 L, 60 L	A, 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)
	Ethers, n.o.s.	3	UN3271	II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
	Ethyl acetate	3	UN1173	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Ethyl acrylate, stabilized	3	UN1917	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Ethyl alcohol, see Ethanol												
	Ethyl aldehyde, see Acetaldehyde												
	Ethyl amyl ketone	3	UN2271	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	N-Ethylbenzyltoluidines, solid	6.1	UN3460	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	N-Ethyl-N-benzylaniline	6.1	UN2274	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Ethyl borate	3	UN1176	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl bromide	6.1	UN1891	II	6.1	IB2, IP8, T7, TP2, TP13	153	202	243	5 L	60 L	B	40, 85
	Ethyl bromoacetate	6.1	UN1603	II	6.1, 3	IB2, T7, TP2	None	202	242	Forbidden	Forbidden	D	40
	Ethyl butyl ether	3	UN1179	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl butyrate	3	UN1180	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethyl chloride	2.1	UN1037	II	2.1	B77, N86, T50	None	322	314,	Forbidden	150 kg	B	40
	Ethyl chloroacetate	6.1	UN1181	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Ethyl chloroformate	6.1	UN1182	I	6.1, 3, 8	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 40, 100
	Ethyl 2-chloropropionate	3	UN2935	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Ethyl chloroethioformate	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	II	2.1		306	304	314,	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	40, 52
	Ethyl isocyanate	6.1	UN2481	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	
	Ethyl lactate	3	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethyl mercaptan	3	UN2363	I	3	A6, T11, TP2, TP13	None	201	243	Forbidden	30 L	E	95, 102
	Ethyl methacrylate, stabilized	3	UN2277	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl methyl ether	2.1	UN1039	II	2.1		None	201	314,	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	40, 105
Ethyl nitrite solutions	3	UN1194	I	3, 6.1		None	201	None	Forbiddn	Forbiddn	E	40, 105
Ethyl orthoformate	3	UN2524	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl oxalate	6.1	UN2525	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Ethyl perchlorate	Forbiddn											
Ethyl phosphonoethioic dichloride, anhydrous	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
Ethyl phosphonous dichloride, anhydrous pyrophoric liquid	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	18
Ethyl phosphorodichloridate	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
Ethyl propionate	3	UN1195	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl propyl ether	3	UN2615	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Ethyl silicate, see Tetraethyl silicate												
Ethylacetylene, stabilized	2.1	UN2452	I	2.1	N88	None	304	314, 315	Forbiddn	150 kg	B	40
Ethylamine	2.1	UN1036	I	2.1	B77, N87, T50	None	321	314, 315	Forbiddn	150 kg	D	40
Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine	3	UN2270	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52.
N-Ethylaniline	6.1	UN2272	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
2-Ethylaniline	6.1	UN2273	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
Ethylbenzene	3	UN1175	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
N-Ethylbenzyloluidines liquid	6.1	UN2753	III	6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A	
2-Ethylbutanol	3	UN2275	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
2-Ethylbutyl acetate	3	UN1177	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
2-Ethylbutylaldehyde	3	UN1178	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethylchloroarsine	6.1	UN1892	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
Ethyldichlorosilane	4.3	UN1183	I	4.3, 8, 3	A2, A3, A7, N34, T14, TP2, TP7, TP13	None	201	244	Forbiddn	1 L	D	21, 28, 40, 49, 100
Ethylene, acetylene and propylene in mixture, refrigerated liquid with at least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene	2.1	UN3138	I	2.1	T75, TP5	None	304	314, 315	Forbiddn	Forbiddn	D	40, 57
Ethylene chlorohydrin	6.1	UN1135	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
Ethylene diamine diperchlorate	2.1	UN1962	I	2.1		306	304	302	Forbiddn	150 kg	E	40
Ethylene dibromide	6.1	UN1605	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	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)
	<i>Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures</i>												
	Ethylene dichloride	3	UN1184	II	3, 6.1	IB2, N36, T7, TP1	150	202	243	1 L	60 L	B	40
	Ethylene glycol diethyl ether	3	UN1153	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
		Forbidden		III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Ethylene glycol dinitrate</i>	3	UN1171	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene glycol monoethyl ether	3	UN1172	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene glycol monoethyl ether acetate	3	UN1188	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene glycol monomethyl ether	3	UN1189	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide	2.3	UN3300		2.3, 2.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
	Ethylene oxide and carbon dioxide mixtures with more than 9 percent but not more than 87 percent ethylene oxide	2.1	UN1041		2.1	T50	306	304	314, 315	Forbidden	25 kg	B	40
	Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide	2.2	UN1952		2.2		306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and 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, N4, N34, T14, TP2, TP7, TP13	None	201	243	Forbidden	30 L	E	40

	2.2	UN3299	2.2	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide	2.3	UN1040	2.3, 2.1	4, 342, T50, TP20	None	323	323	323	Forbidden	Forbidden	D	40
Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1 MPa (10 bar) at 50 degrees C	2.1	UN1038	2.1	T75, TP5	None	316	316	318, 319	Forbidden	Forbidden	D	40
Ethylene, refrigerated liquid (cryogenic liquid)	8	UN1604	8, 3	IB2, T7, TP2	154	202	202	243	1 L	30 L	A	40, 52
Ethylenediamine	6.1	UN1185	6.1, 3	1, B9, B14, B30, B77, N25, N32, T22, TP2, TP13, TP36, TP44	None	226	226	244	Forbidden	Forbidden	D	40
Ethylhexaldehyde, see Octyl aldehydes etc												
2-Ethylhexyl chloroformate	6.1	UN2748	6.1, 8	IB2, T7, TP2, TP13	153	202	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100, 40
2-Ethylhexylamine	3	UN2276	3, 8	B1, IB3, T4, TP1	150	203	203	242	5 L	60 L	A	40
Ethylphenylchlorosilane	8	UN2435	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	206	242	Forbidden	30 L	C	
1-Ethylpiperidine	3	UN2386	3, 8	IB2, T7, TP1	150	202	202	243	1 L	5 L	B	52
N-Ethyloluidines	6.1	UN2754	6.1	IB2, T7, TP2	153	202	202	243	5 L	60 L	A	
Ethyltrichlorosilane	3	UN1196	3, 8	A7, N34, T10, TP2, TP7, TP13	None	206	206	243	Forbidden	5 L	B	40
Etiologic agent, see Infectious substances, etc												
Explosive articles, see Articles, explosive, n.o.s. etc												
Explosive, blasting, type A	1.1D	UN0081	1.1D		None	62	62	None	Forbidden	Forbidden	04	25, 19E, 21E
Explosive, blasting, type B	1.1D	UN0082	1.1D		None	62	62	None	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type B or Agent blasting, Type B	1.5D	UN0331	1.5D	105, 106	None	62	62	None	Forbidden	Forbidden	03	25, 19E
Explosive, blasting, type C	1.1D	UN0083	1.1D	123	None	62	62	None	Forbidden	Forbidden	04	25, 22E
Explosive, blasting, type D	1.1D	UN0084	1.1D		None	62	62	None	Forbidden	Forbidden	04	25
Explosive, blasting, type E	1.1D	UN0241	1.1D		None	62	62	None	Forbidden	Forbidden	04	25, 19E
Explosive, blasting, type E or Agent blasting, Type E	1.5D	UN0332	1.5D	105, 106	None	62	62	None	Forbidden	Forbidden	03	25, 19E
Explosive, forbidden. See § 173.54												
Explosive substances, see Substances, explosive, n.o.s. etc												
Explosives, slurry, see Explosive, blasting, type E												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Explosives, water gels, see Explosive, blasting, type E												
	Extracts, aromatic, liquid	3	UN1169	II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Extracts, flavoring, liquid	3	UN1197	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Extracts, flavoring, liquid	3	UN1197	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Extracts, flavoring, liquid	3	UN1197	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<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	213	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, TP33	151	212	240	15 kg	50 kg	A	
	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	Forbidden	150 kg	E	40
A I W	Fibers, animal or Fibers, vegetable burnt, wet or damp	4.2	UN1372	III	4.2		151	213	240	Forbidden	Forbidden	A	
IW	Fibers, vegetable, dry	4.1	UN3360	III	4.1	137	151	213	240	No Limit	No Limit	A	
A W	Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil	4.2	UN1373	III	4.2	137, IB8, IP3, T1, TP33	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	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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 solid, corrosive, inorganic, n.o.s.	4.1	UN3180	II	4.1, 8	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	50 kg	D	40
G	Flammable solid, inorganic, n.o.s.	4.1	UN3178	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	D	40
G	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	III	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	40
G	Flammable solid, oxidizing, n.o.s.	4.1	UN3097	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	40
G	Flammable solid, toxic, inorganic, n.o.s.	4.1	UN3179	III	4.1, 5.1	IB1, T1, TP3, TP26	151	213	240	Forbidden	Forbidden	C	40
G	Flammable solid, toxic, inorganic, n.o.s.	4.1	UN3179	III	4.1, 5.1	131, T1, TP33	None	214	214	Forbidden	Forbidden	D	40
G	Flammable solids, corrosive, organic, n.o.s.	4.1	UN2925	III	4.1, 6.1	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	50 kg	B	40
G	Flammable solids, organic, n.o.s.	4.1	UN1325	III	4.1	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	B	40
G	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	III	4.1, 6.1	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	50 kg	D	40
	Flares, aerial	1.3G	UN0093	II	1.3G	A1, IB6, T1, TP33	None	62	None	Forbidden	75 kg	03	25
	Flares, aerial	1.4G	UN0403	II	1.4G	A1, IB8, IP2, IP4, T3, TP33	None	62	None	Forbidden	75 kg	02	25
	Flares, aerial	1.4S	UN0404	II	1.4S	A1, IB8, IP3, T1, TP33	None	62	None	Forbidden	100 kg	01	25
	Flares, aerial	1.1G	UN0420	II	1.1G	A1, IB6, IP2, T3, TP33	None	62	None	Forbidden	Forbidden	03	25
	Flares, aerial	1.2G	UN0421	II	1.2G	A1, IB6, T1, TP33	None	62	None	Forbidden	Forbidden	03	25
	Flares, signal, see Cartridges, signal												
	Flares, surface	1.3G	UN0092	II	1.3G		None	62	None	Forbidden	75 kg	03	25
	Flares, surface	1.1G	UN0418	II	1.1G		None	62	None	Forbidden	Forbidden	03	25
	Flares, surface	1.2G	UN0419	II	1.2G		None	62	None	Forbidden	Forbidden	03	25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B) (8C)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing <i>corrosive substances</i>	8	UN3477	.....	8	328	230	230	230	5 kg	50 kg	A	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing <i>flammable liquids</i>	3	UN3473	.....	3	328	230	230	230	5 kg	50 kg	A	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing <i>hydrogen in metal hydride</i>	2.1	UN3479	.....	2.1	328	230	230	230	1 kg	15 kg	B	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing <i>liquefied flammable gas</i>	2.1	UN3478	.....	2.1	328	230	230	230	1 kg	15 kg	B	
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing <i>water-reactive substances</i>	4.3	UN3476	.....	4.3	328	230	230	230	5 kg	50 kg	A	
D	Fuel oil (No. 1, 2, 4, 5, or 6) <i>Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery</i> <i>Fulminate of mercury (dry)</i> <i>Fulminate of mercury, wet, see Mercury fulminate, etc</i> <i>Fulminating gold</i>	3	NA1993	III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	

Fulminating mercury	UN1780	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	8, 40
Fulminating platinum	Forbiddn										
Fulminating silver	Forbiddn										
Fulminic acid	Forbiddn										
Fumaryl chloride	8										
Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h)											
Fumigated transport vehicle or freight container see § 173.9											
Furandehydes	6.1	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Furan	3	I	3	T12, TP2, TP13	None	201	243	1 L	30 L	E	
Furfuryl alcohol	6.1	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
Furfurylamine	3	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
Fuse, detonating, metal clad, see Cord, detonating, metal clad											
Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad											
Fuse, igniter tubular metal clad	1.4G	II	1.4G		None	62	None	Forbiddn	75 kg	02	25
Fuse, non-detonating instantaneous or quickmatch	1.3G	II	1.3G		None	62	None	Forbiddn	Forbiddn	03	25
Fuse, safety	1.4S	II	1.4S		None	62	None	25 kg	100 kg	01	25
Fusee (railway or highway)	4.1	II	4.1		None	184	None	15 kg	50 kg	B	
Fusel oil	3	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
				B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Fuses, tracer, see Tracers for ammunition											
Fuzes, combination, percussion and time, see Fuzes, detonating (UN0257, UN0367); Fuzes, igniting (UN0317, UN0368)											
Fuzes, detonating	1.1B	II	1.1B		None	62	None	Forbiddn	Forbiddn	05	25
Fuzes, detonating	1.2B	II	1.2B		None	62	None	Forbiddn	Forbiddn	05	25
Fuzes, detonating	1.4B	III	1.4B	116	None	62	None	75 kg	75 kg	05	25
Fuzes, detonating	1.4S	II	1.4S	116	None	62	None	25 kg	100 kg	01	25
Fuzes, detonating, with protective features	1.1D	II	1.1D		None	62	None	Forbiddn	Forbiddn	04	25
Fuzes, detonating, with protective features	1.2D	II	1.2D		None	62	None	Forbiddn	Forbiddn	04	25
Fuzes, detonating, with protective features	1.4D	II	1.4D	116	None	62	None	Forbiddn	75 kg	02	25
Fuzes, igniting	1.3G	II	1.3G		None	62	None	Forbiddn	Forbiddn	03	25
Fuzes, igniting	1.4G	II	1.4G		None	62	None	Forbiddn	75 kg	02	25
Fuzes, igniting	1.4S	II	1.4S		None	62	None	25 kg	100 kg	01	25
Galactosan trinitrate	Forbiddn										
Gallium	8	III	8	T1, TP33	None	162	240	20 kg	20 kg	B	25
Gas cartridges, (flammable) without a release device, non-refillable	2.1		2.1		306	304	None	1 kg	15 kg	B	40
Gas identification set	2.3		2.3	6	None	194	None	Forbiddn	Forbiddn	D	

D

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)
G	Gas oil Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid)	3 2.1	UN1202	III	3 2.1	144, B1, IB3, T2, TP1 T75, TP5	150	203	242	60 L	220 L	A	40
			UN3312				316	318	Forbidden	Forbidden	D		
G	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid) Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.2 2.1	UN3311		2.2, 5.1	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
			UN3167		2.1	306	302, 304	None	1 L	5 L	D		
	Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3	UN3168		2.3, 2.1	6	306	302	None	Forbidden	1 L	D	
	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	UN3169		2.3	6	306	302, 304	None	Forbidden	1 L	D	D
	Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol Gasoline, casinghead, see Gasoline Gelatine, blasting, see Explosive, blasting, type A Gelatine dynamites, see Explosive, blasting, type A Germane	3	UN1203	II	3	144, 177, B1, B33, IB2, T4	150	202	242	5 L	60 L	E	
	Glycerol-1,3-dinitrate Glycerol gluconate trinitrate Glycerol lactate trinitrate Glycerol alpha-monochlorohydrin Glycerol trinitrate, see Nitroglycerin, etc	2.3 Forbidden Forbidden Forbidden	UN2192		2.3, 2.1	2	None	302	245	Forbidden	Forbidden	D	40
	Glycidolehyde Grenades, hand or rifle, with bursting charge Grenades, hand or rifle, with bursting charge Grenades, hand or rifle, with bursting charge	3 1.1D 1.2D 1.1F	UN2622 UN0284 UN0285 UN0292	III II II II	6.1 3, 6.1 1.1D 1.2D 1.1F	IB3, T4, TP1 IB2, IP8, T7, TP1	153 150	203 202 62 62 62	241 243 None None None	60 L 1 L Forbidden Forbidden Forbidden	220 L 60 L Forbidden Forbidden Forbidden	A A 04 04 05	40 25 25 25

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Other (10B)	Loca-tion (10A)	
	Helium, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	D		
	Heptafluoropropane or Refrigerant gas R 227	2.2	UN3296		2.2	T50	306	304	314, 315	75 kg	150 kg	A		
	n-Heptaldehyde	3	UN3056	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Heptanes	3	UN1206	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	n-Heptene	3	UN2278	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Hexachloroacetone	6.1	UN2661	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	B	12, 40	
	Hexachlorobenzene	6.1	UN2729	III	6.1	B3, IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A		
	Hexachlorobutadiene	6.1	UN2779	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Hexachlorocyclopentadiene	6.1	UN2646	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
	Hexachlorophene	6.1	UN2875	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Hexadecyltrichlorosilane	8	UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40	
	Hexadienes	3	UN2458	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B		
	Hexaethyl tetraphosphate and com-pressed gas mixtures	2.3	UN1612	II	2.3	3	None	334	None	Forbidden	Forbidden	D	40	
	Hexaethyl tetraphosphate, <i>liquid</i>	6.1	UN1611	II	6.1	IB2, N76, T7, TP2	153	202	243	5 L	60 L	E	40	
	Hexaethyl tetraphosphate, <i>solid</i>	6.1	UN1611	II	6.1	IB8, IP2, IP4, N76	153	212	242	25 kg	100 kg	E	40	
	Hexafluoroacetone	2.3	UN2420	II	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40	
	Hexafluoroacetone hydrate, <i>liquid</i>	6.1	UN2552	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40	
	Hexafluoroacetone hydrate, <i>solid</i>	6.1	UN3436	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40	
	Hexafluoroethane, or Refrigerant gas R 116	2.2	UN2193	II	2.2		306	304	314, 315	75 kg	150 kg	A		
	Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A		
	Hexafluoropropylene compressed or Refrigerant gas R 1216	2.2	UN1858		2.2	T50	306	304	314, 315	75 kg	150 kg	A		
	Hexaldehyde	3	UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Hexamethylene diisocyanate	6.1	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	13, 40	
	Hexamethylene triperoxide diamine (<i>dry</i>)	Forbidden												
	Hexamethylenediamine, <i>solid</i>	8	UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12	
	Hexamethylenediamine solution	8	UN1783	III	8	IB2, T7, TP2	None	202	242	1 L	30 L	A		
						IB3, T4, TP1	154	203	241	5 L	60 L	A		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Hydrazine, aqueous solution, with not more than 37 percent hydrazine, by mass	6.1	UN3293	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52.
	Hydrazine aqueous solution, flammable with more than 37% hydrazine, by mass	8	UN3484	I	8, 3, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52, 125
	Hydrazine aqueous solution, with more than 37% hydrazine, by mass	8	UN2030	I	8, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52
	Hydrazine azide	Forbidden											
	Hydrazine chlorate	Forbidden											
	Hydrazine dicarbonic acid diazide	Forbidden											
	Hydrazine perchlorate	Forbidden											
	Hydrazine selenate	Forbidden											
	Hydroiodic acid, anhydrous, see Hydrogen iodide, anhydrous												
	Hydrotic acid	8	UN1787	II	8	A3, A6, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	8
				III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	
	Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous												
	Hydrobromic acid, with more than 49 percent hydrobromic acid	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	8
				III	8	IB3, T4, TP1	154	203	241	Forbidden	Forbidden	C	
				II	8	A3, A6, B2, B15, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
				III	8	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	
	Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	III	2.1	T50	306	304	315	Forbidden	150 kg	E	40
	Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965	I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
	Hydrocarbons, liquid, n.o.s.	3	UN3295	II	3	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	

		III	3		150	203	242	60 L	220 L	A	
Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous	8	UN1789	8	144, B1, IB3, T4, TP1, TP29	154	202	242	1 L	30 L	C	
Hydrochloric acid			8	A3, A6, B3, B15, IB2, N41, T8, TP2	154	203	241	5 L	60 L	C	8
Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc	6.1	UN1613	6.1	A3, IB3, T4, TP1	None	195	244	Forbidden	Forbidden	D	40
Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide	6.1	NA1613	6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	243	Forbidden	5 L	D	40
Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide				IB1, T14, TP2, TP13, TP27							
Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc	Forbidden										
Hydrocyanic acid (prussic), unstabilized	8	UN1786	8, 6.1	A6, A7, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
Hydrofluoric acid and Sulfuric acid mixtures	8	UN1790	8, 6.1	A6, A7, B4, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	D	12, 40
Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous	8	UN1790	8, 6.1	A6, A7, B15, IB2, N5, N34, T8, TP2	154	202	243	1 L	30 L	D	12, 40
Hydrofluoric acid, with more than 60 percent strength											
Hydrofluoric acid, with not more than 60 percent strength	2.1	UN2034	2.1	N89	306	302	302, 314, 315	Forbidden	150 kg	E	40, 57
Hydrofluoroboric acid, see Fluoroboric acid	2.3	UN1048	2.3, 8	3, B14, N86, N89	None	304	314, 315	Forbidden	Forbidden	D	40
Hydrofluorosilicic acid, see Fluorosilicic acid	2.3	UN1050	2.3, 8	3, N86, N89	None	304	None	Forbidden	Forbidden	D	40
Hydrogen and Methane mixtures, compressed	2.3	UN2186	2.3, 8	3, B6	None	None	314, 315	Forbidden	Forbidden	B	40
Hydrogen bromide, anhydrous	2.1	UN1049	2.1	N89	306	302	302, 314	Forbidden	150 kg	E	40, 57
Hydrogen chloride, anhydrous	6.1	UN3294	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40
Hydrogen chloride, refrigerated liquid											
Hydrogen, compressed	6.1	UN1051	6.1, 3	1, B35, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	40
Hydrogen cyanide, solution in alcohol with not more than 45 percent hydrogen cyanide											
Hydrogen cyanide, stabilized with less than 3 percent water											

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)
	Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material	6.1	UN1614	I	6.1	5	None	195	None	Forbidden	Forbidden	D	25, 40
	Hydrogen fluoride, anhydrous	8	UN1052	I	8.6.1	3, B7, B46, B77, N86, T10, TP2	None	163	244	Forbidden	Forbidden	D	40
	Hydrogen in a metal hydride storage system or Hydrogen in a metal hydride storage system contained in equipment or Hydrogen in a metal hydride storage system packed with equipment	2.1	UN3468	.....	2.1	167	None	311	None	Forbidden	100 kg	D	
	Hydrogen iodide, anhydrous	2.3	UN2197		2.3, 8	3, B14, N86, N89	None	304	314, 315	Forbidden	Forbidden	D	40
	Hydrogen iodide solution, see Hydrochloric acid	.....										
	Hydrogendifluoride, solid, n.o.s	8	UN1740	III	8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
				II	8	IB8, IP2, IP4, N3, N34, T3, TP33	None	212	240	15 kg	50 kg	A	25, 40, 52
				III	8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
	Hydrogendifluoride solution, n.o.s	8	UN3471	II	8, 6.1	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52
				III	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	25, 40, 52
	Hydrogen peroxide and peroxy-acetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid	5.1	UN3149	II	5.1, 8	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24	None	202	243	1 L	5 L	D	25, 66, 75
	Hydrogen peroxide, aqueous solutions, with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary)	5.1	UN2014	II	5.1, 8	12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	Forbidden	Forbidden	D	25, 66, 75

Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary)	5.1	UN2014	II	5.1, 8	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	1 L	5 L	D	25, 66, 75.
Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary)	5.1	UN2984	III	5.1	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	152	203	241	2.5 L	30 L	B	25, 66, 75
Hydrogen peroxide, stabilized or Hydrogen peroxide aqueous solutions, stabilized with more than 60 percent hydrogen peroxide	5.1	UN2015	I	5.1, 8	12, B53, B80, B81, B85, T9, TP2, TP6, TP24, TP37	None	201	243	Forbidden	Forbidden	D	25, 66, 75.
Hydrogen, reingrained liquid (cryogenic liquid)	2.1	UN1966		2.1	T75, TP5	None	316	318, 319	Forbidden	Forbidden	D	40
Hydrogen selenide, anhydrous	2.3	UN2202		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
Hydrogen sulfate, see Sulfuric acid	2.3	UN1053		2.3, 2.1	2, B9, B14, N89	None	304	314, 315	Forbidden	Forbidden	D	40
Hydrofluosulfuric acid, see Fluorosulfuric acid	1.3C	UN0508	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass	4.1	UN3474	I	4.1	N90	None	211	None	0.5 kg	0.5 kg	D	28, 36
1-Hydroxybenzotriazole, monohydrate	Forbidden											
Hydroxyamine iodide	8	UN2865	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	26
Hydroxylamine sulfate	8	UN1791	II	8	A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26
Hypochlorite solutions	5.1	UN3212	III	8	IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26
			II	5.1	349, A9, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 106, 116, 118
Hypo chlorites, inorganic, n.o.s												
Hyponitrous acid	Forbidden											
Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad												
Igniters	1.1G	UN0121	II	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
Igniters	1.2G	UN0314	II	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
Igniters	1.3G	UN0315	II	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Igniters	1.4G	UN0325	II	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
Igniters	1.4S	UN0454	II	1.4S	.....	None	62	None	25 kg	100 kg	01	25
3,3'-Iminodipropylamine	8	UN2269	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	40
Infectious substances, affecting animals only	6.2	UN2900		6.2	A82	134	196	None	50 mL or 50 g	4 L or 4 kg	B	

G

G

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Infectious substances, affecting humans <i>Inflam-mable, see Flammable Initiating explosives (dry)</i> <i>Inositol hexanitrate (dry)</i> Insecticide gases, n.o.s.	6.2 Forbidden Forbidden 2.2	UN 2814 UN1968		6.2	A82	134	196	None	50 mL or 50 g	4 L or 4 kg	B	40
G	Insecticide gases, flammable, n.o.s.	2.1	UN3354		2.1	T50	306	304	314, 315	75 kg	150 kg	A	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone A</i>	2.3	UN3355		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone B</i>	2.3	UN3355		2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone C</i>	2.3	UN3355		2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone D</i>	2.3	UN3355		2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, n.o.s. <i>Inulin trinitrate (dry)</i>	2.3	UN1967		2.3	3	None	193, 334	245	Forbidden	Forbidden	D	40
+	Iodine	8	UN3495		8, 6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	B	40, 55
	<i>Iodine azide (dry)</i> Iodine monochloride, liquid	Forbidden 8	UN3498	III	8	IB2, T7, TP2	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	Iodine monochloride, solid	8	UN1792	II	8	B6, IB8, IP2, IP4, N41, T7, TP2	None	212	240	Forbidden	50 kg	D	40, 66, 74, 90
	Iodine pentafluoride	5.1	UN2495	I	5.1, 6.1, 8		None	205	243	Forbidden	Forbidden	D	25, 40, 52, 66, 90
	2-Iodobutane	3	UN2390	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Iodomethylpropanes	3	UN2391	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Iodopropanes	3	UN2392	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Iodoxy compounds (dry)</i> <i>Iridium nitratopentamine iridium nitrate</i> Iron chloride, see Ferric chloride	Forbidden Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
												
	Isocyanatobenzotrifluorides	6.1	UN2285	III	6.1	IB3, T7, TP1, TP13, TP28	153	203	241	60 L	220 L	E	25, 40
	Isophenes	3	UN2287	II	6.1, 3	5, IB2, T7, TP2	153	202	243	5 L	60 L	D	25, 40
	Isohexenes	3	UN2288	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isocitane, see Octanes					IB2, IP8, T11, TP1	150	202	242	5 L	60 L	E	
	Isocitones	3	UN1216	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopentane, see Pentane												
	Isopentanoic acid, see Corrosive liquids, n.o.s.												
	Isopentenes	3	UN2371	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	Isophorone diisocyanate	6.1	UN2390	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	B	40
	Isophoronediamine	8	UN2289	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Isoprene, stabilized	3	UN1218	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	Isopropanol or isopropyl alcohol	3	UN1219	II	3	IB2, T4, TP1	4b, 150	202	242	5 L	60 L	B	
	Isopropenyl acetate	3	UN2403	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropenylbenzene	3	UN2303	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl acetate	3	UN1220	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropyl acid phosphate	8	UN1793	III	8	IB2, T4, TP1	154	213	240	25 kg	100 kg	A	
	Isopropyl alcohol, see Isopropanol												
	Isopropyl butyrate	3	UN2405	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroacetate	3	UN2947	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroformate	6.1	UN2407	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	40
	Isopropyl 2-chloropropionate	3	UN2934	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl isobutyrate	3	UN2406	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropyl isocyanate	6.1	UN2483	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
+	Isopropyl mercaptan, see Propanethiols												
	Isopropyl nitrate	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	D	
	Isopropyl phosphoric acid, see Isopropyl acid phosphate												
	Isopropyl propionate	3	UN2409	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropylamine	3	UN1221	I	3, 8	T11, TP2	None	201	243	0.5 L	2.5 L	E	
	Isopropylbenzene	3	UN1918	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

D	Isopropylcumyl hydroperoxide, with more than 72 percent in solution	Forbidden	UN2907	II	4.1	IB6, IP2, N85	None	212	None	15 kg	50 kg	E	28, 36
	Isosorbide dinitrate mixture with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate	4.1	UN3251	III	4.1	66, 159, IB8	151	223	240	Forbidden	Forbidden	D	12, 25, 40, 84
	Isosorbide-5-mononitrate	Forbidden											
	Isothiocyanic acid												
	Jet fuel, see Fuel aviation, turbine engine												
	Jet perforating guns, charged oil well, with detonator	1.1D	NA0124	II	1.1D	55, 56	None	62	None	Forbidden	Forbidden	04	25
	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													
Charges, shaped, etc													
Jet thrust igniters, for rocket motors or Jato, see Igniters													
Jet thrust unit (Jato), see Rocket motors													
G	Kerosene	3	UN1223	III	3	144, B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Ketones, liquid, n.o.s.	3	UN1224	I	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E	
								202	242	5 L	60 L	B	
								203	242	60 L	220 L	A	
								212	242	No limit	No limit	B	25, 88, 128
	Krill meal	4.2	UN3497	II	4.2	155, IB6, IP2, T3, TP33	None	213	242	No limit	No limit	A	
								213	75 kg	150 kg	500 kg	A	
								None	None	None	None	D	
								302	None	None	None		
								320	None	None	None		
G	Krypton, compressed	2.2	UN1056	III	4.2	155, IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	A	
	Krypton, refrigerated liquid (cryogenic liquid)	2.2	UN1970	II	2.2	306, 307	153	212	242	25 kg	100 kg	A	
	Lacquer base or lacquer chips, nitrocellulose, dry, see Nitrocellulose, etc. (UN 2557)							212	242	25 kg	100 kg	A	
	Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint etc.(UN1263)							213	240	100 kg	200 kg	A	
	Lead acetate	6.1	UN1616	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	100 kg	A	
	Lead arsenates	6.1	UN1617	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Lead arsenites	6.1	UN1618	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Lead azide (dry)	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass Lead compounds, soluble, n.o.s Lead cyanide Lead dioxide Lead dross, see Lead sulfate, with more than 3 percent free acid Lead nitrate Lead nitroresorcinate (dry) Lead perchlorate, solid Lead perchlorate, solution	1.1A	UN0129	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
		6.1	UN2291	III	6.1	138, IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
		6.1	UN1620	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
		5.1	UN1872	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
		5.1	UN1469	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
		Forbidden	UN1470	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
		5.1	UN3408	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58
				III	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58
		4.1	UN2989	II	4.1	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	B	34.
		Forbidden		III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	34.
	Lead picrate (dry) Lead styphnate (dry) Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass 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	Forbidden Forbidden 1.1A	UN0130	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
		8	UN1794	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
		9	UN3072		None		None	219	None	No limit	No limit	A	
		9 2.1	UN2990 UN1057	.....	None 2.1	338 168 168	None 21,308 21,308	219 21,308 None	No limit 1 kg No limit	No limit 15 kg 15 kg	A B A	40	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162		2.3	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3162		2.3	4	None	304	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3310		2.3, 5.1, 8	1	None	192	245	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3310		2.3, 5.1, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3310		2.3, 5.1, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3310		2.3, 5.1, 8	4	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3307		2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3307		2.3, 5.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3307		2.3, 5.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3307		2.3, 5.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gases, <i>non-flammable charged with nitrogen, carbon dioxide or air</i>	2.2	UN1058		2.2		306	304	None	75 kg	150 kg	A	
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s. <i>Liquefied natural gas, see Methane, etc. (UN 1972)</i> Liquefied petroleum gas see Petroleum gases, liquefied Lithium <i>Lithium acetylide ethylenediamine complex, see Water reactive solid etc</i>												
		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 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	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	29, 52
			III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	29, 52
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
	.....		III	5.1	IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	4, 25, 52, 56, 58, 69, 106, 116
<i>Lithium in cartridges, see Lithium</i>												
Lithium ion batteries including lithium ion polymer batteries	9	UN3480	II	9	A51, A54	185	185	185	5 kg	35 kg	A	
Lithium ion batteries contained in equipment including lithium ion polymer batteries	9	UN3481	II	9	A54	185	185	185	5 kg	35 kg	A	
Lithium ion batteries packed with equipment including lithium ion polymer batteries	9	UN3481	II	9	A54	185	185	185	5 kg	35 kg	A	
Lithium metal batteries including lithium alloy batteries	9	UN3090	II	9	A54	185	185	185	Forbidden	35 kg	A	
Lithium metal batteries contained in equipment including lithium alloy batteries	9	UN3091	II	9	A54, A101	185	185	185	5 kg	35 kg	A	
Lithium metal batteries packed with equipment including lithium alloy batteries	9	UN3091	II	9	A54	185	185	185	5 kg	35 kg	A	
Lithium nitrate	5.1	UN2722	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Lithium nitride	4.3	UN2806	I	4.3	A19, IB4, IP1, N40	None	211	242	Forbidden	15 kg	E	13, 52, 66, 75
Lithium peroxide	5.1	UN1472	II	5.1	A9, IB6, IP2, N34, T3, TP33	152	212	None	5 kg	25 kg	A	
Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	A	85, 103
LNG, see Methane etc. (UN 1972) London purple LPG, see Petroleum gases, liquefied	6.1	UN1621	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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)
	Lye, see Sodium hydroxide, solu-tions Magnesium aluminum phosphide	4.3	UN1419	I	4.3, 6.1	A19, N34, N40	211	242	Forbidden	15 kg	E	40, 52, 85	
+	Magnesium arsenate <i>Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.</i> Magnesium bromate	6.1	UN1622	II	6.1	IB8, IP2, IP4, T3, TP33	153	242	25 kg	100 kg	A		
	Magnesium chlorate	5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	242	5 kg	25 kg	A	56, 58	
	Magnesium diamide	5.1	UN2723	II	5.1	IB8, IP2, IP4, T3, TP33	152	242	5 kg	25 kg	A	56, 58	
	Magnesium dross, wet or hot	4.2	UN2004	II	4.2	A8, A19, A20, IB6, T3, TP33	None	241	15 kg	50 kg	C		
	Magnesium fluorosilicate	Forbidden	UN2853	III	6.1	IB8, IP3, T1, TP33	153	240	100 kg	200 kg	A	52	
	Magnesium granulates, coated, par-ticle size not less than 149 mi-crons	6.1	UN2950	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	240	25 kg	100 kg	A	52	
	Magnesium hydride	4.3	UN2010	I	4.3	A19, N40	None	242	Forbidden	15 kg	E	52	
	Magnesium or Magnesium alloys with more than 50 percent mag-nesium in pellets, turnings or rib-bons	4.1	UN1869	III	4.1	A1, IB8, IP3, T1, TP33	151	240	25 kg	100 kg	A	39, 52, 53, 74, 101	
	Magnesium nitrate	5.1	UN1474	III	5.1	332, A1, B120, IB8, IP3, T1, TP33	152	240	25 kg	100 kg	A		
	Magnesium perchlorate	5.1	UN1475	II	5.1	IB6, IP2, T3, TP33	152	242	5 kg	25 kg	A	56, 58	
	Magnesium peroxide	5.1	UN1476	II	5.1	IB6, IP2, T3, TP33	152	242	5 kg	25 kg	A	13, 52, 66, 75	
	Magnesium phosphide	4.3	UN2011	I	4.3,	A19, N40	None	211	Forbidden	15 kg	E	40, 52, 85	
	Magnesium, powder or Magnesium alloys, powder	4.3	UN1418	I	4.3, 4.2	A19, B56	None	211	Forbidden	15 kg	A	39, 52	
	Magnesium scrap, see Magnesium, etc. (UN 1869)			II	4.3, 4.2	A19, B56, IB5, IP2, T3, TP33	None	241	15 kg	50 kg	A	39, 52	
				III	4.3, 4.2	A19, B56, IB8, IP4, T1, TP33	None	241	25 kg	100 kg	A	39, 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)												
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mix-tures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T11, TP2, TP27	None	202	243	Forbidden	60 L	B	40, 95												
														6.1	UN3071	II	6.1, 3	A6, B1, IB3, T7, TP1, TP28	150	203	242	5 L	220 L	A	40, 95
6.1	UN1623	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 121														
												6.1	UN1624	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 121		
6.1	UN1625	II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A	40, 121														
												6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	40, 121		
A W	6.1	UN3012	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B													40	
												6.1	UN3012	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Metal catalyst, dry	4.2	UN2881	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
G	Metal catalyst, wetted with a visible excess of liquid	4.2	UN1378	III	4.2	N34, T21, TP7, TP33	None	187	None	Forbidden	Forbidden	C	
	Metal hydrides, flammable, n.o.s.	4.1	UN3182	III	4.1	A1, IB4, T3, TP33	151	212	240	15 kg	50 kg	E	
	Metal hydrides, water reactive, n.o.s.	4.3	UN1409	I	4.3	A1, IB4, T1, TP33	None	211	242	Forbidden	15 kg	D	52
	Metal powder, self-heating, n.o.s.	4.2	UN3189	II	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	C	
	Metal powders, flammable, n.o.s.	4.1	UN3089	III	4.1	IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	
G	Metal salts of methyl nitramine (dry) flammable, n.o.s.	4.1	UN3181	II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	40
G	Metaldehyde	4.1	UN1332	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	40
	Metallic substance, water-reactive, n.o.s.	4.3	UN3208	I	4.3	A7, IB4	None	211	242	Forbidden	15 kg	E	40
G	Metallic substance, water-reactive, self-heating, n.o.s.	4.3	UN3209	I	4.3, 4.2	A7, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	40
	Methacrylaldehyde, stabilized	3	UN2396	II	3, 6.1	A7, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	E	40
	Methacrylic acid, stabilized	8	UN2531	II	8	A7, IB8, IP4, T1, TP33	151	211	242	Forbidden	15 kg	E	40
+	Methacrylonitrile, stabilized	6.1	UN3079	I	6.1, 3	A7, IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	E	40
	Methylalcohol	3	UN2614	III	3	A7, IB8, IP4, T1, TP33	None	213	242	25 kg	100 kg	E	40
						45, IB2, T7, TP1, TP13	150	202	243	1 L	30 L	C	40
						41, IB2, T7, TP1, TP18, TP30	154	202	242	Forbidden	Forbidden	D	12, 25, 40
						2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 25, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures</i>	2.1	UN1912		2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	D	40
	<i>Methyl chloride and methylene chloride mixtures</i>	6.1	UN2295	I	6.1, 3	T14, TP2, TP13	None	201	243	1 L	30 L	D	
	<i>Methyl chloroacetate</i>												
	<i>Methyl chlorocarbonate, see Methyl chloroformate</i>												
	<i>Methyl chloroform, see 1,1,1-Trichloroethane</i>												
	<i>Methyl chloroformate</i>	6.1	UN1238	I	6.1, 3, 8	1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 100
	<i>Methyl chloromethyl ether</i>	6.1	UN1239	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	<i>Methyl 2-chloropropionate</i>	3	UN2933	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Methyl dichloroacetate</i>	6.1	UN2299	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>Methyl ethyl ether, see Ethyl methyl ether</i>												
	<i>Methyl ethyl ketone, see Ethyl methyl ketone</i>												
	<i>Methyl ethyl ketone, see Ethyl methyl ketone</i>												
	<i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen</i>	Forbidden											
	<i>2-Methyl-5-ethylpyridine</i>	6.1	UN2300	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	<i>Methyl fluoride, or Refrigerant gas R 41</i>	2.1	UN2454		2.1		306	304	314, 315	Forbidden	150 kg	E	
	<i>Methyl formate</i>	3	UN1243	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	<i>2-Methyl-2-heptanethiol</i>	6.1	UN3023	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 102
	<i>Methyl iodide</i>	6.1	UN2644	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 40
	<i>Methyl isobutyl carbinol</i>	3	UN2053	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Methyl isobutyl ketone</i>	3	UN1245	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen</i>	Forbidden											

Methyl isocyanate	6.1	UN2480	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44, IB2, T4, TP1	None	226	244	Forbidden	Forbidden	D	40, 52
Methyl isopropenyl ketone, stabilized	3	UN1246	II	3		150	202	242	5 L	60 L	B	
Methyl isothiocyanate	6.1	UN2477	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45, IB2, T4, TP1	None	227	244	Forbidden	Forbidden	D	40
Methyl isovalerate	3	UN2400	II	3		150	202	242	5 L	60 L	B	
Methyl magnesium bromide, in ethyl ether	4.3	UN1928	I	4.3, 3		None	201	243	Forbidden	1 L	D	
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
Methyl nitramine (dry)	Forbidden											
Methyl nitrate	Forbidden											
Methyl nitrite	Forbidden											
Methyl <i>norbornene dicarboxylic anhydride</i> , see Corrosive liquids, n.o.s.												
Methyl orthosilicate	6.1	UN2606	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Methyl phosphonic dichloride	6.1	NA9206	I	6.1, 8	2, B9, B14, B32, N34, N43, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	
<i>Methyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, n.o.s.</i>												
Methyl phosphorous dichloride, pyrophoric liquid	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18
<i>Methyl picric acid (heavy metal salts of)</i>	Forbidden											
Methyl propionate	3	UN1248	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyl propyl ether	3	UN2612	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
Methyl propyl ketone	3	UN1249	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Methyl sulfate, see Dimethyl sulfate</i>												
<i>Methyl sulfide, see Dimethyl sulfide</i>												
Methyl trichloroacetate	6.1	UN2533	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
<i>Methyl trimethyl 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, IB2, IP8, T7, TP2	None	226	244	Forbidden	Forbidden	B	40
Methylal	3	UN1234	II	3		None	202	242	5 L	60 L	E	
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, 195.
<i>Methylamine dinitramine and dry salts thereof</i>	Forbidden											

D

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)
D	Methylamine nitroform	Forbidden											
	Methylamine perchlorate (dry)	Forbidden	UN1233	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylamyl acetate	3	UN2294	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	N-Methylamine	6.1	UN2937	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	alpha-Methylbenzyl alcohol, liquid	6.1	UN3438	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	alpha-Methylbenzyl alcohol, solid	3	UN2397	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	3-Methylbutan-2-one	3	UN2945	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
	N-Methylbutylamine	2.3	UN2534	II	2.3, 2.1, 8	2, B9, B14, N34	None	226	314, 315	Forbidden	Forbidden	D	17, 40
	Methylchlorosilane	3	UN2296	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methylcyclohexane	3	UN2617	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclohexanols, flammable	3	UN2297	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclohexanone	3	UN2298	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methylcyclopentane	6.1	NA1556	I	6.1	2, T20, TP4, TP13, TP38, TP45	None	192	None	Forbidden	Forbidden	D	40
	Methyldichloroarsine	4.3	UN1242	I	4.3, 8, 3	A2, A3, A7, B6, B77, N84, T14, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D	21, 28, 40, 49, 100
	Methyldichlorosilane												
Methylene chloride, see Dichloromethane													
Methylene glycol dinitrate	Forbidden												
2-Methylfuran	3	UN2301	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
a-Methylglucoside tetranitrate	Forbidden												
5-Methylhexan-2-one	3	UN2302	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Methylhydrazine	6.1	UN1244	I	6.1, 3, 8	1, B7, B9, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 49, 52 and 100	
4-Methylmorpholine	3	UN2535	II	3, 8	B6, IB2, T7, TP1	150	202	243	1 L	5 L	B	40	
methylmorpholine	n-												
Methylpentadienes	3	UN2461	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
2-Methylpentan-2-ol	3	UN2560	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Methylperianes, see Hexanes	8	UN2437	II	8	T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40	
Methylphenyldichlorosilane	3	UN2399	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52	
1-Methylpiperidine													

	Methyltetrahydrofuran	3	UN2536	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Methyltrichlorosilane	3	UN1250	II	3, 8	A7, B6, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	
	alpha-Methylwateraldehyde	3	UN2367	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Mine rescue equipment containing carbon dioxide, see Carbon dioxide												
	Mines with bursting charge	1.1F	UN0136	II	1.1F			62	None	Forbidden	Forbidden	05	25
	Mines with bursting charge	1.1D	UN0137	II	1.1D			62	62	Forbidden	Forbidden	04	25
	Mines with bursting charge	1.2D	UN0138	II	1.2D			62	62	Forbidden	Forbidden	04	25
	Mixed acid, see Nitric acid, mixtures etc	1.2F	UN0294	II	1.2F			62	None	Forbidden	Forbidden	05	25
	Mobility aids, see Battery powered equipment or Battery powered vehicle												
D	Model rocket motor	1.4C	NA0276	II	1.4C		None	62	None	Forbidden	75 kg	02	25
D	Model rocket motor	1.4S	NA0323	II	1.4S	51	None	62	None	25 kg	100 kg	01	25
	Molybdenum pentachloride	8	UN2508	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	C	40
	Monochloroacetone (unstabilized)	Forbidden											
	Monochloroethylene, see Vinyl chloride, stabilized												
	Monothanolamine, see Ethanolamine, solutions												
	Monothylamine, see Ethylamine												
	Morpholine	8	UN2054	I	8, 3	A6, T10, TP2	None	201	243	0.5 L	2.5 L	A	
	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, flammable	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	Forbidden	Forbidden	D	25, 40
+	Motor fuel anti-knock mixtures	6.1	UN1649	I	6.1	14, B9, B90, T14, TP2, TP13	None	201	244	Forbidden	30 L	D	25, 40
	Motor spirit, see Gasoline												
	Muratic acid, see Hydrochloric acid												
	Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene												
	Naphtha see Petroleum distillates n.o.s.												
	Naphthalene, crude or Naphthalene, refined	4.1	UN1334	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Naphthalene diozonide	Forbidden											
	beta-Naphthylamine, solid	6.1	UN1650	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	beta-Naphthylamine solution	6.1	UN3411	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
		6.1		III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	
		6.1	UN2077	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	alpha-Naphthylamine	4.1	UN2304	III	4.1	IB1, T1, TP3	151	213	241	Forbidden	Forbidden	C	
	Naphthalene, molten	Forbidden											
	Naphthylamineperchlorate												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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	Naphthylthiourea	6.1	UN1651	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
	Naphthylurea	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	None	75 kg	150 kg	A	
	Neon, refrigerated liquid (cryogenic liquid)	2.2	UN1913		2.2	T75, TP5	320	316	None	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	None	Forbidden	Forbidden	D	40, 78	
	Nickel cyanide	6.1	UN1653	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A		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	Forbidden														
Nicotine	6.1	UN1654	II	6.1	IB2	153	202	243	243	5 L	60 L	A			
Nicotine compounds, liquid, n.o.s. or Nicotine preparations, liquid, n.o.s.	6.1	UN3144	I	6.1	A4	None	201	243	243	1 L	30 L	B		40	
G	Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B		40	
		6.1	UN1655	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	B		40	
		6.1	UN1655	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B			
		6.1	UN1655	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1655	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
		6.1	UN1655	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B			
		6.1	UN1655	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1655	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
		6.1	UN1656	II	6.1	IB2	153	202	243	243	5 L	60 L	A		
		6.1	UN1656	III	6.1	IB3	153	203	241	241	60 L	220 L	A		
G	Nicotine hydrochloride liquid or solution	6.1	UN3444	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
		6.1	UN1658	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	A		

Nicotine sulphate, solid	6.1	UN3445	III	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	56, 58, 133
	6.1	UN1659	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58, 133
Nicotine tartrate Nitrated paper (unstable)	6.1	UN1659	II	6.1	IB6, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58, 133
	5.1	UN3218	II	5.1	58, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN1477	III	5.1	58, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
	5.1	UN1826	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
Nitrates, inorganic, n.o.s.	8	UN1826	III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	8	UN1826	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 66
Nitrites of diazonium compounds	8	UN1826	II	8	A7, B2, IB2, T8, TP2	None	158	242	Forbidden	30 L	D	40
	8	UN1796	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 66
Nitration acid mixtures with more than 50 percent nitric acid	8	UN1796	II	8	A7, B2, IB2, T8, TP2, TP13	None	158	242	Forbidden	30 L	D	40
	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
Nitration acid mixtures with not more than 50 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
	8	UN2031	II	8	A6, B2, B47, B53, IB2, T8, TP2	None	158	242	1 L	30 L	D	44, 66, 74, 89, 90
Nitric acid other than red fuming, with more than 20 percent and less than 65 percent nitric acid	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
	8	UN2031	I	8, 5.1	A3, B47, B53, T10, TP2, TP12, TP13	None	158	243	Forbidden	2.5 L	D	44, 66, 89, 90, 110, 111
Nitric acid other than red fuming, with not more than 20 percent nitric acid	2.3	UN1660	III	2.3, 5.1, 8	1, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
	2.3	UN1975	III	2.3, 5.1, 8	1, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures	3	UN3273	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40, 52
	3	UN3273	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40, 52
Nitrites, flammable, toxic, n.o.s.	5.1	UN3219	II	5.1	IB1, T4, TP1	152	202	242	1 L	5 L	B	46, 56, 58, 133
	5.1	UN3219	III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	B	46, 56, 58, 133

+

G

G

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Nitrites, inorganic, n.o.s.	5.1	UN2627	II	5.1	33, IB8, IP2, IP4, T3, TP33	152	212	None	5 kg	25 kg	A	46, 56, 58, 13
G	Nitrites, liquid, toxic, n.o.s.	6.1	UN3276	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	52
G	Nitrites, solid, toxic, n.o.s.	6.1	UN3439	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	52
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	52
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	52
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	52
				I	6.1, 3	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
G	Nitrites, toxic, flammable, n.o.s.	6.1	UN3275	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
				II	6.1, 3	IB2, T11, TP2, TP13	153	202	243	5 L	60 L	B	40, 52
				II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	3-Nitro-4-chlorobenzotrifluoride	6.1	UN2307	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	Forbidden											
	Nitro isobutane trinitrate	Forbidden											
	N-Nitro-N-methylglycolamide nitrate	Forbidden											
	2-Nitro-2-methylpropanol nitrate	Forbidden											
	Nitro urea	1.1D	UN0147	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
+	N-Nitroaniline	Forbidden											
	Nitroanilines (o-, m-, p-)	6.1	UN1661	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitroanisole, liquid	6.1	UN2730	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitroanisoles, solid	6.1	UN3458	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
+	Nitrobenzene	6.1	UN1662	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	m-Nitrobenzene	Forbidden											
	m-Nitrobenzene diazonium perchlorate	8	UN2305	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	A	
	Nitrobenzenesulfonic acid												
	Nitrobenzotriazol	1.1D	UN0385	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrobenzotrifluorides, liquid	6.1	UN2306	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Nitrobenzotrifluorides, solid	6.1	UN3431	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Nitrobenzenes, liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitrobenzenes, solid	6.1	UN3459	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass	1.1D	UN0340	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 27E

Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass mixture with or without plasticizer, with or without pigment	4.1	UN2557	II	4.1	44	151	212	240	1 kg	15 kg	D	28, 36
Nitrocellulose membrane filters, with not more than 12.6% nitrogen, by dry mass	4.1	UN3270	II	4.1	43, A1	151	212	240	1 kg	15 kg	D	
Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	1.3C	UN0343	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
Nitrocellulose, solution, flammable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose	3	UN2059	I	3	198, T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E	
Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass	1.1D	UN0341	II	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	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass	4.1	UN2556	II	4.1	.....	151	212	None	1 kg	15 kg	D	28, 36
Nitrocellulose with water with not less than 25 percent water by mass	4.1	UN2555	II	4.1	.....	151	212	None	15 kg	50 kg	E	28, 36
Nitrochlorobenzene, see Chloronitrobenzenes etc												
Nitrocresols, liquid	6.1	UN3434	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Nitrocresols, solid	6.1	UN2446	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Nitroethane	3	UN2842	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Nitroethyl nitrate	Forbidden											
Nitroethylene polymer	Forbidden											
Nitrogen, compressed	2.2	UN1066		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
Nitrogen dioxide, see Dinitrogen tetroxide												
Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc												
Nitrogen peroxide, see Dinitrogen tetroxide												
Nitrogen, refrigerated liquid cryogenic liquid	2.2	UN1977		2.2	345, 346, T75, TP5	320	316	318	50 kg	500 kg	D	
Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures												

UN number	Proper shipping name	1.1D	II	1.1D	None	62	None	Forbiddn	Forbiddn	Forbiddn	04	25
UN0282	Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass	1.1D	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
UN1336	Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass	4.1	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36	
UN1798	1-Nitrohydantoin	Forbiddn	I	8	A3, B10, N41, T10, TP2, TP13	None	201	243	Forbiddn	2.5 L	D	40, 66, 74, 89, 90	
UN1261	Nitrohydrochloric acid	Forbiddn	II	3		150	202	None	Forbiddn	60 L	A		
UN2538	Nitromethane	4.1	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A		
UN1663	Nitromuriatic acid, see Nitrohydrochloric acid	6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
UN3376	Nitrosophthalene	4.1	I	4.1	162, A8, A19, A20, N41	None	211	None	Forbiddn	15 kg	E	28, 36	
UN2608	m-Nitrophenylidrazone, with not less than 30 percent water, by mass	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
UN1369	Nitropropanes	4.2	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	D	34	
UN0146	p-Nitrosodimethylaniline	1.1D	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
UN1337	Nitrostarch, dry or wetted with less than 20 percent water, by mass	4.1	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	D	28, 36	
UN1069	Nitrostarch, wetted with not less than 20 percent water, by mass	Forbiddn		2.3, 8	3, B14	None	304	314, 315	Forbiddn	Forbiddn	D	40	
UN2308	Nitrosugars (dry)	8	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90	
UN3456	Nitrosyl chloride	8	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 66, 74, 89, 90	
UN1664	Nitrosylsulfuric acid, liquid	6.1	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
UN3446	Nitrotoluenes, liquid	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
UN2660	Nitrotoluenes, solid	6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
UN0490	Nitrotoluidines (mono)	1.1D	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
UN1070	Nitrotriazolone or NTO	2.2	II	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40	
UN2201	Nitrous oxide	2.2	II	2.2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbiddn	Forbiddn	D	40	
UN1665	Nitroxylene, refrigerated liquid	6.1	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
UN3447	Nitroxylene, liquid	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
UN1920	Nitroxylene, solid	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Nitroxylol, see Nitroxylene												
	Nonanes												

+

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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>Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc</i> <i>Nonliquefied gases, see Compressed gases, etc</i> <i>Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s.</i> Nonyltrichlorosilane	8	UN1799	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	<i>Nordhausen acid, see Sulfuric acid, fuming etc</i> <i>2,5-Norbornadiene, stabilized, see Bicyclo [2.2.1] hepta-2,5-diene, stabilized</i> Octadecyltrichlorosilane	8	UN1800	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Octadiene	3	UN2309	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>1,7-Octadine-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid</i> Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN2422		2.2	T50	None	304	314, 315	75 kg	150 kg	A	
	Octafluorocyclobutane, or Refrigerant gas RC 318	2.2	UN1976		2.2		None	304	314, 315	75 kg	150 kg	A	
	Octafluoropropane or Refrigerant gas R 218	2.2	UN2424		2.2		None	304	314, 315	75 kg	150 kg	A	
	Octanes	3	UN1262	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Octogen, etc. see Cyclooctamethylene tetranitramine, etc.												
	Octolite or Octol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0266	II	1.1D		None	62	None	Forbidden	Forbidden	04	25
	Octonal	1.1D	UN0496	.....	1.1D		None	62	None	Forbidden	Forbidden	04	25
	Octyl aldehydes	3	UN1191	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Octyltrichlorosilane	8	UN1801	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40

Oil gas, compressed	2.3	UN1071	2.3, 2.1	6	304	314, 315	Forbidden	25 kg	D	40
<i>Oleum</i> , see Sulfuric acid, fuming	Forbidden									
<i>Organic peroxide type A, liquid or solid</i>										
Organic peroxide type B, liquid	5.2	UN3101	5.2, 1	53	225	None	Forbidden	Forbidden	D	12, 40, 52, 53
Organic peroxide type B, liquid, temperature controlled	5.2	UN3111	5.2, 1	53	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type B, solid	5.2	UN3102	5.2, 1	53	225	None	Forbidden	Forbidden	D	12, 40, 52, 53
Organic peroxide type B, solid, temperature controlled	5.2	UN3112	5.2, 1	53	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type C, liquid	5.2	UN3103	5.2	152	225	None	5 L	10 L	D	12, 40, 52, 53
Organic peroxide type C, liquid, temperature controlled	5.2	UN3113	5.2	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type C, solid	5.2	UN3104	5.2	152	225	None	5 kg	10 kg	D	12, 40, 52, 53
Organic peroxide type C, solid, temperature controlled	5.2	UN3114	5.2	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type D, liquid	5.2	UN3105	5.2	152	225	None	5 L	10 L	D	12, 40, 52, 53
Organic peroxide type D, liquid, temperature controlled	5.2	UN3115	5.2	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type D, solid	5.2	UN3106	5.2	152	225	None	5 kg	10 kg	D	12, 40, 52, 53
Organic peroxide type D, solid, temperature controlled	5.2	UN3116	5.2	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type E, liquid	5.2	UN3107	5.2	152	225	None	10 L	25 L	D	12, 40, 52, 53
Organic peroxide type E, liquid, temperature controlled	5.2	UN3117	5.2	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type E, solid	5.2	UN3108	5.2	152	225	None	10 kg	25 kg	D	12, 40, 52, 53
Organic peroxide type E, solid, temperature controlled	5.2	UN3118	5.2	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type F, liquid	5.2	UN3109	5.2	IP5	225	225	10 L	25 L	D	12, 40, 52, 53
Organic peroxide type F, liquid, temperature controlled	5.2	UN3119	5.2	IP5	225	225	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type F, solid	5.2	UN3110	5.2	TP33	225	225	10 kg	25 kg	D	12, 40, 52, 53
Organic peroxide type F, solid, temperature controlled	5.2	UN3120	5.2	TP33	225	225	Forbidden	Forbidden	D	2, 52, 53

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas Organic pigments, self-heating	2.3	NA1955		2.3	3	None	334	None	Forbidden	Forbidden	D	40
G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3313	II	4.2	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 5, T14, TP2, TP13, TP27	None	212	241	15 kg	50 kg	C	
			UN3280	III	4.2		None	213	241	25 kg	100 kg	30 L	60 L	C
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	III	6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	None	202	242	5 L	60 L	B	
				I	6.1		None	203	241	60 L	220 L	220 L	A
G	Organochlorine pesticides liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2762	III	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	153	212	242	25 kg	100 kg	B	
				I	3, 6.1		None	213	240	100 kg	200 kg	30 L	A	40
G	Organochlorine pesticides, liquid, toxic	6.1	UN2996	II	3, 6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1		None	201	243	1 L	30 L	B	40
G	Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2995	III	6.1, 3	IB2, T11, TP2, TP13, TP27 IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				I	6.1, 3		None	203	241	60 L	220 L	A	40
G	Organochlorine pesticides, solid, toxic	6.1	UN2761	II	6.1, 3	IB2, T11, TP2, TP13, TP27 B1, IB3, T7, TP2, TP28 IB7, IP1, T6, TP33	153	202	243	5 L	60 L	B	40
				I	6.1		None	203	242	5 kg	50 kg	A	40
G	Organometallic compound, liquid, toxic, n.o.s	6.1	UN3282	III	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	153	212	242	25 kg	100 kg	A	40
				I	6.1		None	201	242	100 kg	200 kg	A	40

G	Organometallic compound, solid, toxic, n.o.s	6.1	UN3467	II	6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153 153 None	202 203 211	242 241 242	5 L 60 L 5 kg	B A B	
G	Organometallic substance, liquid, pyrophoric	4.2	UN3392	II	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 153	212 213	242 240	25 kg 100 kg	B A	78
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.2	UN3394	I	4.2, 4.3	B11, T21, TP2, TP7, TP36 B11, T21, TP2, TP7, TP36	None None	181	244	Forbiddn	D	78
G	Organometallic substance, liquid, water-reactive	4.3	UN3398	I	4.3	T13, TP2, TP7, TP36	None	201	244	Forbiddn	E	40, 52
G	Organometallic substance, liquid, water-reactive, flammable	4.3	UN3399	III	4.3	IB1, T7, TP2, TP7, TP36 IB2, T7, TP2, TP7, TP36 T13, TP2, TP7, TP36	None None None	202 203 201	243 242 244	1 L 5 L 60 L 1 L	E E E D	40, 52 40, 52 40, 52 40, 52
G	Organometallic substance, solid, pyrophoric	4.2	UN3391	I	4.2	IB1, IP2, T7, TP2, TP7, TP36	None	202	243	1 L	D	40, 52
G	Organometallic substance, solid, pyrophoric, water-reactive	4.2	UN3393	I	4.2, 4.3	IB2, IP4, T7, TP2, TP7, TP36 T21, TP7, TP33, TP36	None None	203	242	5 L	E	40, 52
G	Organometallic substance, solid, self-heating	4.2	UN3400	II	4.2	B11, T21, TP7, TP33, TP36 IB6, T3, TP33, TP36	None None	187	244	Forbiddn	D	52
G	Organometallic substance, solid, water-reactive	4.3	UN3395	III	4.2, 4.3	IB8, T1, TP33, TP36 N40, T9, TP7, TP33, TP36	None None	212 213 211	242 242 242	15 kg 25 kg Forbiddn	C C E	40, 52
G	Organometallic substance, solid, water-reactive, flammable	4.3	UN3396	I	4.3, 4.1	IB4, T3, TP33, TP36 IB6, T1, TP33, TP36 N40, T9, TP7, TP33, TP36	151 151 None	212 213 211	242 241 242	15 kg 25 kg 100 kg 15 kg	E E E E	40, 52 40, 52 40, 52 40, 52
G	Organometallic substance, solid, water-reactive, self-heating	4.3	UN3397	I	4.3, 4.2	IB4, T3, TP33, TP36 IB6, T1, TP33, TP36 N40, T9, TP7, TP33, TP36	151 151 None	212 213 211	242 241 242	15 kg 25 kg 100 kg	E E E	40, 52 40, 52 40, 52
	Organophosphorus compound, toxic, flammable, n.o.s.	6.1	UN3279	I	6.1, 3	5, T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	None 153	201 202	243 243	1 L 5 L	B B	40 40
G	Organophosphorus compound, liquid, toxic, n.o.s	6.1	UN3278	I	6.1	5, T14, TP2, TP13, TP27 IB2, T11, TP2, TP27	None 153	201 202	243 243	1 L 5 L	B B	40 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage														
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)													
G	Organophosphorus compound, solid, toxic, n.o.s.	6.1	UN3464	III	6.1 6.1	IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153 None	203 211	241 242	60 L 5 kg	220 L 50 kg	A B	40													
														Organophosphorus pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C	3	UN2784	I	3, 6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 T14, TP2, TP13, TP27	153 None	212 213 201	242 240 243	25 kg 100 kg 30 L	100 kg 200 kg 30 L	B A B	40
	Organophosphorus pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3017	I	6.1, 3	IB2, N76, T11, TP2, TP13, TP27 IB3, N76, T7, TP2, TP28 N76, T14, TP2, TP13, TP27	153 None	202 203 201	243 241 243	5 L 60 L 1 L	60 L 220 L 30 L	B A B	40													
														Organophosphorus pesticides, solid, toxic	6.1	UN2783	I	6.1	IB2, N76, T11, TP2, TP13, TP27 B1, IB3, N76, T7, TP2, TP28 IB7, IP1, N77, T6, TP33	153	202 203 211	243 242 242	5 L 60 L 5 kg	60 L 220 L 50 kg	B A A	40
	Organotin compounds, solid, n.o.s.	6.1	UN3146	III	6.1	A5, IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153	211 212 213	242 242 240	5 kg 25 kg 100 kg	220 L 50 kg 100 kg	B A A	40													
														Organotin pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C	3	UN2787	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	200 kg 30 L	A 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	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, 106, 138
G	Oxidizing solid, corrosive, n.o.s.	5.1	UN3137	I	5.1, 8	62, IB6, IP2, T3, TP33	None	212	242	5 kg	25 kg	B	13, 34, 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
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	I	5.1, 4.2	62	None	214	214	Forbidden	Forbidden	B	56, 58, 106, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	II	5.1, 4.2	62	None	214	214	Forbidden	Forbidden	B	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	
				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	
					5.1, 4.3	62	None	214	214	Forbidden	Forbidden			
					2.2, 5.1	110, A14	306	302	314, 315	75 kg	150 kg	A		
					2.3, 5.1, 8	1, N86	None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90	
				II	5.1		None	168	None	Forbidden	25 kg	D	56, 58, 69, 106	
				III	9, 2.2, 5.1	61, T75, TP5, TP22	None, 320	213, 316	None, 318	Forbidden, Forbidden	Forbidden, Forbidden	A, D		
				I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E		
+	Paint or Paint related material			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		
				II	8	B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40	
				III	8	B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40	
				II	8, 3	IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40	
				I	3, 8	T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40	
				II	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	
				I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E		
				3	UN1263									

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Paint related material corrosive, flammable (including paint thinning or reducing compound)	8	UN3470	II	3	149, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
	Paint related material, flammable, corrosive (including paint thinning or reducing compound)	3	UN3469	III	3	B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
	Paint related material, flammable, corrosive (including paint thinning or reducing compound)	8	UN3470	II	8, 3	IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40.
	Paper, unsaturated oil treated in-completely dried (including carbon paper)	4.2	UN1379	I	3, 8	T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40
	Paraldehyde	4.1	UN2213	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Paranitroaniline, solid, see Nitroanilines etc	3	UN1264	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
D	Parathion and compressed gas mixture	2.3	NA1967		2.3		None	334	245	Forbidden	Forbidden	E	40
	Paris green, solid, see Copper acetoarsenite												
	PCB, see Polychlorinated biphenyls												
	Pentaborane	4.2	UN1380	I	4.2, 6.1		None	205	245	Forbidden	Forbidden	D	
+	Pentachloroethane	6.1	UN1669	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Pentachlorophenol	6.1	UN3155	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Pentaerythrite tetranitrate (dry)	Forbidden											
	Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s. or PETN mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass	4.1	UN3344	II	4.1	118, N85	None	214	None	Forbidden	Forbidden	E	

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		
		6.1	UN2902	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40		
				III	6.1, 3	B1, IB3, T7, TP2	153	203	242	60 L	220 L	A	40		
				II	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		
		6.1	UN2588	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		
		D	Pesticides, solid, toxic, n.o.s.	3	UN1267	I	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	40	
						II	3	144, 357, T11, TP1, TP8	150	201	1 L	30 L	E		
II	3					144, 357, IB2, T4, TP1, TP8	150	202	5 L	60 L	B				
3	UN1268			III	3	144, 357, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A			
				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			
2.1	UN1075			III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A			
				I	2.1	T50	306	304	314, 315	Forbidden	150 kg	E	40		
				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 gases, liquefied or liquefied petroleum gas	3	NA1270	I	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A			
				II	3	144, T11, TP1	150	201	243	1 L	30 L	E			
				III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A			
		3	UN3494	I	3, 6.1	343, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40		
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40		
				III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A			
		+	Phenol, molten	6.1	UN2312	II	6.1	B14, T7, TP3	None	202	243	Forbidden	Forbidden	B	40
				6.1	UN1671	II	6.1	IB8, IP2, IP4, N78, T3, TP33	153	212	242	25 kg	100 kg	A	
				6.1	UN2821	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
				6.1	UN1803	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
+	Phenolsulfonic acid, liquid	8	UN1803	II	8	B2, IB2, N411, T7, TP2	154	202	242	1 L	30 L	C	14		
		3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40		
		3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Phenoxyacetic acid derivative pes-ticide, liquid, toxic	6.1	UN3348	I	6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	None	201	243	1 L 30 L	60 L 30 L	B B	40 40
	Phenoxyacetic acid derivative pes-ticide, liquid, toxic, flammable, flash point not less than 23 de-grees C	6.1	UN3347	I	6.1, 3	IB2, T11, TP2, TP27 IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	None	201	243	5 L 60 L 1 L	60 L 220 L 30 L	B A B	40 40 40
	Phenoxyacetic acid derivative pes-ticide, solid, toxic	6.1	UN3345	III	6.1, 3 6.1	IB2, T11, TP2, TP13, TP27 IB3, T7, TP2, TP28 IB7, IP1, T6, TP33	None	211	241 242	60 L 5 kg	220 L 50 kg	A A	40 40
	Phenyl chloroformate	6.1	UN2746	II	6.1, 8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB2, T7, TP2, TP13	153	212 213 202	242 240 243	25 kg 100 kg 1 L	100 kg 200 kg 30 L	A A A	40 40 12, 13, 21, 25, 40, 100 40
	Phenyl isocyanate	6.1	UN2487	I	6.1, 3	2, B9, B14, B32, B77, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
	Phenyl mercaptan	6.1	UN2337	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
	Phenyl phosphorus dichloride	8	UN2798	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
	Phenyl phosphorus trichloride	8	UN2799	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
	Phenyl urea pesticides, liquid, toxic	6.1	UN3002	II	6.1	T14, TP2, TP27 T7, TP2	None	201	243	1 L 5 L	30 L 60 L	B B	40 40
	Phenylacetone, liquid	6.1	UN2470	III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
	Phenylacetyl chloride	8	UN2577	III	8	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	Phenylcarbylamine chloride	6.1	UN1672	I	6.1	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40
	<i>m</i> -Phenylene diaminedipchlorate (dry)	Forbidden				2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
+	Phenylenediamines (<i>o</i> -; <i>m</i> -; <i>p</i> -)	6.1	UN1673	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	

Phenyhydrazine	6.1	UN2572	II	6.1	IB2, T7, TP2	153	202	242	5 L	60 L	A	40
Phenylmercuric acetate	6.1	UN1674	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Phenylmercuric compounds, n.o.s.	6.1	UN2026	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
			III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	100 kg	A	
Phenylmercuric hydroxide	6.1	UN1894	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Phenylmercuric nitrate	6.1	UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Phenyltrichlorosilane	8	UN1804	II	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
			II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbiddn	30 L	C	40
Phosgene	2.3	UN1076	.....	2.3, 8	1, B7, B46, N86	None	192	314	Forbiddn	Forbiddn	D	40
9-Phosphabicyclononanes	4.2	UN2940	II	4.2	A19, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	
Cyclooctadiene phosphines												
Phosphine	2.3	UN2199		2.3,	1	None	192	245	Forbiddn	Forbiddn	D	40
				2.1								
Phosphoric acid solution	8	UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	25
Phosphoric acid, solid	8	UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	74
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	4.1	UN1339	II	4.1	A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	B	74
Phosphorus oxybromide	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	None	212	240	Forbiddn	50 kg	C	12, 40
Phosphorus oxychloride	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbiddn	Forbiddn	C	40
Phosphorus pentasulfide, free from yellow or white phosphorus	6.1	UN1810	I	6.1, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
Phosphorus pentabromide	8	UN2691	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	Forbiddn	50 kg	B	12, 40, 53, 55
Phosphorus pentachloride	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbiddn	50 kg	C	40, 44, 89, 100, 141
Phosphorus pentafluoride	2.3	UN2198		2.3, 8	2, B9, B14	None	302, 304	314, 315	Forbiddn	Forbiddn	D	40
Phosphorus pentasulfide, free from yellow or white phosphorus	4.3	UN1340	II	4.3,	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	

+

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Phosphorus sesquioxide, 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	B7, 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, 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, yellow, in solution	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None	188	243	Forbidden	Forbidden	D	
	Phosphorus (white or red) and a chlorate, mixtures of	Forbidden											
	Phosphoryl chloride, see Phosphorus oxychloride												
	Phthalic anhydride with more than .05 percent maleic anhydride	8	UN2214	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	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	UN2368	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Piperazine	8	UN2579	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 52
	Piperidine	8	UN2401	I	8, 3	A10, T10, TP2	None	201	243	0.5 L	2.5 L	B	52
	Pivaloyl chloride, see Trimethylacetyl chloride												
	Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor	9	UN3314	III	9	32, IB8, IP3, IP7	155	221	221	100 kg	200 kg	E	21, 25, 87, 144

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Potassium 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 triazine-trione 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	
	Potassium hydrogendifluoride solid	8	UN1811	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
	Potassium hydrogendifluoride solution	8	UN3421	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	1 L	30 L	A	25, 40, 52
	Potassium hydrosulfite, see Potassium dithionite												
	<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, 52, 52
Potassium hydroxide, solution	8	UN1814	III	8	B2, IB2, T7, TP2, IB3, T4, TP1	154	202	242	1 L	30 L	A	52, 52
Potassium hypochlorite, solution, see Hypochlorite solutions, etc												
Potassium, metal alloys, liquid	4.3	UN1420	I	4.3	A7, A19, A20, B27	None	201	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	Forbidden	15 kg	D	
Potassium metavanadate	6.1	UN2864	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	28, 52
Potassium monoxide	8	UN2033	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
Potassium nitrate	5.1	UN1486	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
Potassium nitrate and sodium nitrite mixtures	5.1	UN1487	II	5.1	B78, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
Potassium nitrite	5.1	UN1488	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Potassium perchlorate	5.1	UN1489	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Potassium permanganate	5.1	UN1490	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	56, 58, 138
Potassium peroxide	5.1	UN1491	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	B	13, 52, 66, 75
Potassium persulfate	5.1	UN1492	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	58, 145
Potassium phosphide	4.3	UN2012	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	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	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	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	15 kg	50 kg	A	52
Potassium sulfide, hydrated with not less than 30 percent water of crystallization	8	UN1847	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Potassium superoxide	5.1	UN2466	I	5.1	A20, IB6, IP1	None	211	None	Forbidden	15 kg	B	13, 52, 66, 75
Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass	1.1C	UN0433	II	1.1C	.....	None	62	None	Forbidden	Forbidden	4	25
Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass	1.3C	UN0159	II	1.3C	.....	None	62	None	Forbidden	Forbidden	4	25
Powder paste, see Powder cake, etc												
Powder, smokeless	1.1C	UN0160	II	1.1C	.....	None	62	None	Forbidden	Forbidden	4	25, 26E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Powder, smokeless	1.3C	UN0161	II	1.3C		None	62	None	Forbidden	Forbidden	4	25, 26E
	Powder, smokeless	1.4C	UN0509	II	1.4C	16	171	62	None	Forbidden	75 kg	02	25
	Primers, cap type	1.4S	UN0044	II	None		None	62	None	25 kg	100 kg	01	25
	Primers, cap type	1.1B	UN0377	II	1.1B		None	62	None	Forbidden	Forbidden	05	25
	Primers, cap type	1.4B	UN0378	II	1.4B		None	62	None	Forbidden	75 kg	05	25
	Primers, small arms, see Primers, cap type												
	Primers, tubular	1.3G	UN0319	II	1.3G		None	62	None	Forbidden	Forbidden	03	25
	Primers, tubular	1.4G	UN0320	II	1.4G		None	62	None	75 kg	75 kg	02	25
	Primers, tubular	1.4S	UN0376	II	None		None	62	None	25 kg	100 kg	01	25
	Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	3	UN1210	I	3	T11, TP1, TP8	150	173	243	1 L	30 L	E	
	Projectiles, illuminating, see Ammunition, illuminating, etc												
	Projectiles, inert with tracer	1.4S	UN0345	II	1.4S			62	62	25 kg	100 kg	01	25
	Projectiles, inert with tracer	1.3G	UN0424	II	1.3G			62	62	Forbidden	Forbidden	03	25
	Projectiles, inert, with tracer	1.4G	UN0425	II	1.4G			62	62	Forbidden	75 kg	02	25
	Projectiles, with burster or expelling charge	1.2D	UN0346	II	1.2D			62	62	Forbidden	Forbidden	04	25
	Projectiles, with burster or expelling charge	1.4D	UN0347	II	1.4D			62	62	Forbidden	75 kg	02	25
	Projectiles, with burster or expelling charge	1.2F	UN0426	II	1.2F			62	None	Forbidden	Forbidden	05	25
	Projectiles, with burster or expelling charge	1.4F	UN0427	II	1.4F			62	None	Forbidden	Forbidden	05	25
	Projectiles, with burster or expelling charge	1.2G	UN0434	II	1.2G			62	62	Forbidden	Forbidden	03	25
	Projectiles, with burster or expelling charge	1.4G	UN0435	II	1.4G			62	62	Forbidden	75 kg	02	25
	Projectiles, with bursting charge	1.1F	UN0167	II	1.1F			62	None	Forbidden	Forbidden	05	25
	Projectiles, with bursting charge	1.1D	UN0168	II	1.1D			62	62	Forbidden	Forbidden	04	25
	Projectiles, with bursting charge	1.2D	UN0169	II	1.2D			62	62	Forbidden	Forbidden	04	25

Projectiles, with bursting charge	1.2F	UN0324	II	1.2F	.....	62	None	Forbiddn	05	25
Projectiles, with bursting charge	1.4D	UN0344	II	1.4D	.....	62	None	75 kg	02	25
Propadiene, stabilized	2.1	UN2200	II	2.1	.....	304	314, 315	150 kg	B	40
Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized	2.1	UN1978	II	2.1	19, T50	304	314, 315	150 kg	E	40
Propane see also Petroleum gases, liquefied	3	UN2402	II	3	A6, IB2, T4, TP1, TP13	202	242	60 L	E	95, 102
Propanethiols	3	UN1274	II	3	B1, IB2, T4, TP1	202	242	60 L	B	
n-Propanol or Propyl alcohol, normal	1.3C	UN0495	III	3	B1, IB3, T2, TP1	203	242	220 L	A	25
Propellant, liquid	1.1C	UN0497	II	1.3C	37	62	None	Forbiddn	04	25
Propellant, liquid	1.1C	UN0498	II	1.1C	37	62	None	Forbiddn	04	25
Propellant, solid	1.1C	UN0498	II	1.1C	.....	62	None	Forbiddn	04	25, 26E
Propellant, solid	1.3C	UN0499	II	1.3C	.....	62	None	Forbiddn	04	25, 26E
Propellant, solid	1.4C	UN0501	II	1.4C	.....	62	None	Forbiddn	02	25, 24E
Propionaldehyde	3	UN1275	II	3	IB2, T7, TP1	202	242	60 L	E	
Propionic acid with not less than 90% acid by mass	8	UN3463	II	8, 3	IB2, T7, TP2	202	243	30 L	A	
Propionic acid with not less than 10% and less than 90% acid by mass	8	UN1848	III	8	IB3, T4, TP1	203	241	60 L	A	
Propionic anhydride	8	UN2496	III	8	IB3, T4, TP1	154	241	60 L	A	
Propionitrile	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	202	243	60 L	E	40
Propionyl chloride	3	UN1815	II	3, 8	IB1, T7, TP1	150	243	5 L	B	40
n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	202	242	60 L	B	
Propyl alcohol, see Propanol										
n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	203	242	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	227	244	Forbiddn	B	
Propyl chloride see 1-Chloropropane										
Propyl formates	3	UN1281	II	3	IB2, T4, TP1	150	242	60 L	B	40
n-Propyl isocyanate	6.1	UN2482	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	226	244	Forbiddn	D	
Propyl mercaptan, see Propanethiols										
n-Propyl nitrate	3	UN1865	II	3	IB9	202	None	60 L	D	44, 89, 90, 100
Propylamine see also Petroleum gases, liquefied	3	UN1277	II	3, 8	A7, IB2, N34, T7, TP1	202	243	5 L	E	40
Propylene see also Petroleum gases, liquefied	2.1	UN1077	II	2.1	19, T50	304	314, 315	150 kg	E	40
Propylene chlorohydrin	6.1	UN2611	II	6.1, 3	IB2, T7, TP2, TP13	202	243	60 L	A	12, 25, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Propylene oxide Propylene tetramer 1,2-Propylenediamine Propyleneimine, stabilized Propyltrichlorosilane <i>Prussic acid, see Hydrogen cyanide</i> Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C Pyrethroid pesticide, liquid toxic Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C Pyrethroid pesticide, solid, toxic Pyridine Pyridine perchlorate Pyrophoric liquid, inorganic, n.o.s. Pyrophoric liquids, organic, n.o.s. Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s. Pyrophoric solid, inorganic, n.o.s. Pyrophoric solids, organic, n.o.s. Pyrosulphuryl chloride Pyroxylin solution or solvent, see Nitrocellulose Pyrrolidine	3	UN1280	I	3	A3, N34, T11, TP2, TP7	None	201	243	1 L	30 L	E	40
		3	UN2850	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
		8	UN2258	II	8, 3	A3, A6, IB2, N34, T7, TP2	None	202	243	1 L	30 L	A	40
		3	UN1921	I	3, 6.1	A3, N34, T14, TP2, TP13	None	201	243	1 L	30 L	B	40
		8	UN1816	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
		3	UN3350	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
		6.1	UN3352	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
		6.1	UN3351	III	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
		6.1	UN3349	III	6.1, 3	IB2, T11, TP2, TP27	153	202	243	5L	60L	B	40
		3	UN1282	III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60L	220L	A	40
G	Pyridine perchlorate Pyrophoric liquid, inorganic, n.o.s. Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s. Pyrophoric solid, inorganic, n.o.s. Pyrophoric solids, organic, n.o.s. Pyrosulphuryl chloride Pyroxylin solution or solvent, see Nitrocellulose Pyrrolidine	Forbidden	UN1282	II	3	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	40
		4.2	UN3194	I	4.2	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40
		4.2	UN2845	I	4.2	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
		4.2	UN1383	I	4.2	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
		4.2	UN3200	I	4.2	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
		4.2	UN2846	I	4.2	IB2, T4, TP2	None	202	242	5 L	60 L	B	21, 100
		8	UN1817	II	8	B11, T22, TP2, TP7	None	181	244	Forbidden	Forbidden	D	78
		3	UN1922	II	3, 8	B11, T21, TP7, TP33	None	181	244	Forbidden	Forbidden	D	78
		4.2	UN3200	I	4.2	T21, TP7, TP33	None	187	242	Forbidden	Forbidden	D	40
		4.2	UN2846	I	4.2	B2, IB2, T8, TP2	None	187	242	Forbidden	Forbidden	D	40
3	UN1922	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52		

Forbidden	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12
Quebrachitol pentanitrate Quicklime, see Calcium oxide Quinoline	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	A	12
R 12, see Dichlorodifluoromethane R 12B1, see Chlorodifluoromomomethane R 13, see Chlorotrifluoromethane R 13B1, see Bromotrifluoromethane R 14, see Tetrafluoromethane R 21, see Dichlorodifluoromethane R 22, see Chlorodifluoromethane R 114, see Dichlorotetrafluoroethane R 115, see Chloropentafluoroethane R 116, see Hexafluoroethane R 124, see Chlorotetrafluoroethane R 133a, see Chlorotrifluoroethane R 152a, see Difluoroethane R 500, see Dichlorodifluoromethane and difluoroethane, etc R 502, see Chlorodifluoromethane and chloropentafluoroethane mixture, etc R 503, see Chlorotrifluoromethane and trifluoromethane, etc	7	UN2909	None		422, 426	422, 426	422, 426			A	
Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium	7	UN2908	Empty		422, 428	422, 428	422, 428			A	
Radioactive material, excepted package-empty packaging	7	UN2911	None		422, 424	422, 424	422, 424			A	
Radioactive material, excepted package-instruments or articles	7	UN2910	None		424	421, 422	421, 422			A	
Radioactive material, excepted package-limited quantity of material	7	UN2912	7	A56, T5, TP4, W7	421, 422, 428	427	427			A	95, 129
Radioactive material, low specific activity (LSA-I) non fissile or fissile-excepted	7	UN3321	7	A56, T5, TP4, W7	421, 428	427	427			A	95, 129
Radioactive material, low specific activity (LSA-II) non fissile or fissile-excepted	7	UN3322	7	A56, T5, TP4, W7	421, 428	427	427			A	95, 129
Radioactive material, low specific activity (LSA-III) non fissile or fissile excepted	7	UN2913	7	A56	421, 428	427	427			A	95
Radioactive material, surface contaminated objects (SCO-I or SCO-II) non fissile or fissile-excepted	7	UN2913	7	A56	421, 428	427	427			A	95

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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)
	Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted</i>	7	UN2919		7	A56, 139						A	95, 105
	Radioactive material, transported under special arrangement, fissile	7	UN3331		7	A56, 139						A	95, 105
	Radioactive material, Type A package, fissile <i>non-special form</i>	7	UN3327		7	A56, W7, W8	453	417	417			A	95, 105, 131
	Radioactive material, Type A package <i>non-special form, non fissile or fissile-excepted</i>	7	UN2915		7	A56, W7, W8	None	415, 418, 419	415, 418, 419	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
A W	Regs. oily <i>Railway torpedo, see Signals, railway track, explosive</i> <i>RC 318, see Octafluorocyclobutane</i>	4.2	UN1856	III	4.2		151	213	240	240	Forbidden	Forbidden	A

RDX and cyclohexamethylenetetramine, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized	1.1D	UN0391	II	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
RDX and HMX mixtures, wetted with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass	2.1	UN2037		2.1	306	304	304	None	1 kg	15 kg	B	40
RDX and Octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc	2.2	UN2037		2.2	306	304	304	None	1 kg	15 kg	B	40
RDX, see Cyclotrimethylene trinitramine, etc	2.2	UN2037		2.2, 5.1	A14, 306	304	304	None	1 kg	15 kg	B	40
Receptacles, small, containing gas or gas cartridges (flammable) without release device, not refillable and not exceeding 1 L capacity	2.2	UN3337		2.2	T50, 306	304	304	314, 315	75 kg	150 kg	A	
Receptacles, small, containing gas or gas cartridges (non-flammable) without release device, not refillable and not exceeding 1 L capacity	2.2	UN3338		2.2	T50, 306	304	304	314, 315	75 kg	150 kg	A	
Red phosphorus, see Phosphorus, amorphous	2.2	UN3339		2.2	T50, 306	304	304	314, 315	75 kg	150 kg	A	
Refrigerant gas R 404A	2.2	UN3340		2.2	T50, 306	304	304	314, 315	75 kg	150 kg	A	
Refrigerant gas R 407A	2.1	NA1954		2.1	T50, 306	304	304	314, 315	Forbidden	150 kg	D	40
Refrigerant gas R 407B	2.1	UN3358		2.1	306, 307	306	306	306	Forbidden	Forbidden	D	40
Refrigerant gas R 407C												
Refrigerant gases, n.o.s.												
Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.												
Refrigerating machines, containing flammable, non-toxic, liquefied gas												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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)	Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672)	2.2	UN2857		2.2	A53	306, 307	306	306, 307	450 kg	450 kg	A	
	Regulated medical waste, n.o.s., or Clinical waste, unspecified, n.o.s., or (BIO) Medical waste, n.o.s., or Biomedical waste, n.o.s. or Medical waste, n.o.s.	6.2	UN3291	II	6.2	41, A13, 337	134	197	197	No limit	No limit	B	40
	Release devices, explosive Resin solution, flammable	1.4S 3	UN0173 UN1866	II I	1.4S 3	..... B52, T11, TP1, TP8, TP28	None 150	62 201	62 243	25 kg 1 L	100 kg 30 L	01 E	25
	Resorcinol Rifle grenade, see Grenades, hand or rifle, etc Rifle powder, see Powder, smoke-less (UN 0160)	6.1	UN2876	III III	3 6.1	149, B52, IB2, T4, TP1, TP8 B1, B52, IB3, T2, TP1, IB8, IP3, T1, TP33	150 150 153	173 173 213	242 242 240	5 L 60 L 100 kg	60 L 220 L 200 kg	B A A	
	Rivets, explosive Road asphalt or tar liquid, see Tars, liquid, etc	1.4S	UN0174	II	1.4S	.....	None	62	62	25 kg	100 kg	01	25
	Rocket motors	1.3C	UN0186	II	1.3C	109	None	62	62	Forbidden	220 kg	04	25
	Rocket motors	1.1C	UN0280	II	1.1C	109	None	62	62	Forbidden	Forbidden	04	25
	Rocket motors	1.2C	UN0281	II	1.2C	109	None	62	62	Forbidden	Forbidden	04	25
	Rocket motors, liquid fueled	1.2J	UN0395	II	1.2J	109	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rocket motors, liquid fueled	1.3J	UN0396	II	1.3J	109	None	62	None	Forbidden	Forbidden	05	25, 23E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.3L	UN0250	II	1.3L	109	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.2L	UN0322	II	1.2L	109	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
	Rockets, line-throwing	1.2G	UN0238	II	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Rockets, line-throwing	1.3G	UN0240	II	1.3G	.....	None	62	None	Forbidden	75 kg	03	25

G	Rockets, line-throwing	1.4G	UN0453	II	1.4G	.....	None	62	None	Forbiddn	75 kg	02	25
	Rockets, liquid fueled with bursting charge	1.1J	UN0397	II	1.1J	.....	None	62	None	Forbiddn	Forbiddn	05	25, 23E, 23E
	Rockets, liquid fueled with bursting charge	1.2J	UN0398	II	1.2J	.....	None	62	None	Forbiddn	Forbiddn	05	25, 23E, 23E
	Rockets, with bursting charge	1.1F	UN0180	II	1.1F	.....	None	62	None	Forbiddn	Forbiddn	05	25
	Rockets, with bursting charge	1.1E	UN0181	II	1.1E	.....	None	62	None	Forbiddn	Forbiddn	04	25
	Rockets, with bursting charge	1.2E	UN0182	II	1.2E	.....	None	62	None	Forbiddn	Forbiddn	04	25
	Rockets, with bursting charge	1.2F	UN0295	II	1.2F	.....	None	62	None	Forbiddn	Forbiddn	05	25
	Rockets, with bursting charge	1.2C	UN0436	II	1.2C	.....	None	62	None	Forbiddn	Forbiddn	04	25
	Rockets, with expelling charge	1.3C	UN0437	II	1.3C	.....	None	62	None	Forbiddn	Forbiddn	04	25
	Rockets, with expelling charge	1.4C	UN0438	II	1.4C	.....	None	62	None	Forbiddn	Forbiddn	02	25
	Rockets, with inert charge	1.3C	UN0183	II	1.3C	.....	None	62	None	Forbiddn	Forbiddn	04	25
	Rockets, with inert head	1.2C	UN0502	.....	1.2C	.....	None	62	None	Forbiddn	Forbiddn	02	25, 5E
	Rosin oil	3	UN1286	III	3	.....	IB2, T4, TP1 B1, IB3, T2, TP1	150	202	242	5 L	B	60 L
	Rubber solution	3	UN1287	III	3	.....	B1, IB3, T2, TP1 149, IB2, T4, TP1, TP8	150	202	242	5 L	B	60 L
	Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1	UN1345	II	4.1	.....	B1, IB3, T2, TP1 IB8, IP2, IP4, T3, TP33	150	203	242	60 L	A	220 L
Rubidium	4.3	UN1423	I	4.3	.....	22, A7, A19, IB4, IP1, N34, N40, N45	None	211	242	Forbiddn	15 kg	D	52
Rubidium hydroxide	8	UN2678	II	8	.....	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A	50 kg	
Rubidium hydroxide solution	8	UN2677	III	8	.....	B2, IB2, T7, TP2 IB3, T4, TP1	154	202	242	1 L	A	30 L	
Safety fuse, see Fuse, safety	.....	UN0190	II	.....	.....	113	None	62	None	Forbiddn	Forbiddn	05	25
Samples, explosive, other than initiating explosives	4.2	UN1386	III	None	.....	IB8, IP3, IP7, N7	None	213	241	Forbiddn	Forbiddn	A	13, 25
Sand acid, see Fluorosilicic acid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Seed cake, containing vegetable oil solvent extractions and expelled seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined	4.2	UN1386	III	None	.....	IB8, IP3, IP7, N7	None	213	241	Forbiddn	Forbiddn	E	13, 25
Seed cake with 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	Forbiddn	Forbiddn	A	13, 25
Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture	6.1	UN2630	I	6.1	.....	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	50 kg
Selenates or Selenites	8	UN1905	I	8	.....	IB7, IP1, N34, T6, TP33	None	211	242	Forbiddn	25 kg	A	25 kg
Selenic acid	6.1	UN3440	I	6.1	.....	T14, TP2, TP27	None	201	243	1 L	30 L	B	30 L
Selenium compound, liquid, n.o.s	6.1	UN3440	III	6.1	.....	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28	153	202	243	5 L	60 L	B	60 L
			III	6.1	.....		153	203	241	60 L	220 L	A	220 L

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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	Selenium compound, solid, n.o.s.	6.1	UN3283	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Selenium disulfide	6.1	UN2657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Selenium hexafluoride	2.3	UN2194		2.3, 8	1	None	302	None	Forbidden	Forbidden	D	40
	Selenium nitride	Forbidden											
	Selenium oxychloride	8	UN2879	I	8, 6.1	A3, A6, A7, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	E	40
	<i>Self-defense spray, aerosol, see Aerosols, etc</i>												
+ A D	<i>Self-defense spray, non-pressurized</i>	9	NA3334	III	9	A37	155	203	None	No limit	No limit	A	
G	Self-heating liquid, corrosive, inorganic, n.o.s.	4.2	UN3188	II	4.2, 8	IB2	None	202	243	1 L	5 L	C	
G	Self-heating liquid, corrosive, organic, n.o.s.	4.2	UN3185	III	4.2, 8	IB2	None	203	241	5 L	60 L	C	
				II	4.2, 8	IB2	None	202	243	1 L	5 L	C	
G	Self-heating liquid, inorganic, n.o.s.	4.2	UN3186	III	4.2, 8	IB2	None	203	241	5 L	60 L	C	
				II	4.2	IB2	None	202	242	1 L	5 L	C	
				III	4.2	IB2	None	203	241	5 L	60 L	C	
G	Self-heating liquid, organic, n.o.s.	4.2	UN3183	III	4.2	IB2	None	202	242	1 L	5 L	C	
				II	4.2	IB2	None	203	241	5 L	60 L	C	
G	Self-heating liquid, toxic, inorganic, n.o.s.	4.2	UN3187	II	4.2, 6.1	IB2	None	202	243	1 L	5 L	C	
				III	4.2, 6.1	IB2	None	203	241	5 L	60 L	C	
G	Self-heating liquid, toxic, organic, n.o.s.	4.2	UN3184	II	4.2, 6.1	IB2	None	202	243	1 L	5 L	C	
				III	4.2, 6.1	IB2	None	203	241	5 L	60 L	C	
G	Self-heating solid, corrosive, inorganic, n.o.s.	4.2	UN3192	II	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
				III	4.2, 8	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-heating solid, corrosive, organic, n.o.s.	4.2	UN3126	III	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
				II	4.2, 8	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	II	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	C	
				III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	C	
				II	4.2	IB6, IP2, T3, TP33	None	212	241	15kg	50kg	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	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)
	Signal devices, hand	1.4S	UN0373	II	1.4S		None	62	None	25 kg	100 kg	01	25
	Signals, distress, <i>ship</i>	1.1G	UN0194	II	1.1G		None	62	None	Forbidden	Forbidden	03	25
	Signals, distress, <i>ship</i>	1.3G	UN0195	II	1.3G		None	62	None	75 kg	75 kg	03	25
	Signals, distress, <i>ship</i>	1.4G	UN0505	.....	1.4G		None	62	None	Forbidden	75 kg	02	25
	Signals, distress, <i>ship</i>	1.4S	UN0506	.....	1.4S		None	62	None	25 kg	100 kg	01	25
	Signals, highway, see Signal de-vices, hand												
	Signals, railway track, explosive	1.1G	UN0192	II	1.1G		None	62	None	Forbidden	Forbidden	03	25
	Signals, railway track, explosive	1.4S	UN0193	II	1.4S		None	62	None	25 kg	100 kg	01	25
	Signals, railway track, explosive	1.3G	UN0492	.....	1.3G		None	62	None	Forbidden	Forbidden	03	25
	Signals, railway track, explosive	1.4G	UN0493	.....	1.4G		None	62	None	Forbidden	75 kg	02	25
	Signals, <i>ship</i> distress, water-acti-vated, see Contrivances, water-activated, etc												
	Signals, smoke	1.1G	UN0196	II	1.1G		None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4G	UN0197	II	1.4G		None	62	None	75 kg	75 kg	02	25
	Signals, smoke	1.2G	UN0313	II	1.2G		None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.3G	UN0487	II	1.3G		None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4S	UN0507	.....	1.4S		None	62	None	25 kg	100 kg	01	25
	Silane	2.1	UN2203	.....	2.1		None	302	None	Forbidden	Forbidden	E	25
	Silicofluoric acid, see Fluorosilicic acid												40, 57, 104
	Silicon chloride, see Silicon tetra-chloride												
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	74
	Silicon tetrachloride	8	UN1818	II	8	A3, A6, B2, B6, T10, TP2, TP7, TP13	None	202	242	Forbidden	30 L	C	40
	Silicon tetrafluoride	2.3	UN1859	.....	2.3, 8		None	302	None	Forbidden	Forbidden	D	40
	Silver acetylide (dry)	Forbidden	UN1683	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Silver arsenite	6.1	UN1684	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52
	Silver azide (dry)	Forbidden											
	Silver chlorite (dry)	Forbidden											
	Silver cyanide	6.1	UN1684	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Silver fulminate (dry)	Forbidden											
	Silver nitrate	5.1	UN1493	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
	Silver oxalate (dry)	Forbidden											
	Silver picrate (dry)	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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 chlorate mixed with dinitro-toluene, 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,	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 So-dium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc	1.3C	UN0234	II	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass	4.1	UN3369	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	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 dinitro-o-cresolate, wetted with not less than 15 percent water, by mass	4.2	UN1384	II	4.2	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
	Sodium dithionite or Sodium hydro-sulfite	6.1	UN1690	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium fluoride, solid	6.1	UN3415	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	Sodium fluoride solution	6.1	UN2629	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
	Sodium fluorooacetate	6.1	UN2674	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium fluoride, see Sodium hy-droxide, solid												

Sodium hydride	4.3	UN1427	I	4.3	IB8, IP2, IP4, N3, N34, TP33	None	211	242	Forbidden	15 kg	E	52
Sodium hydrogendifluoride	8	UN2439	II	8	A19, N40	None	212	240	15 kg	50 kg	A	12, 25, 40, 52, 52.
Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2, TP3, TP33	None	212	241	15 kg	50 kg	A	52.
Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	52
Sodium hydrosulfite, see Sodium dithionite												
Sodium hydroxide, solid	8	UN1823	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
Sodium hydroxide solution	8	UN1824	III	8	B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	52.
Sodium hypochlorite, solution, see Hypochlorite solutions etc												
Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.												
Sodium methylene	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	
Sodium methylene solutions in alcohol	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	243	1 L	5 L	B	
Sodium monoxide	8	UN1825	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Sodium nitrate	5.1	UN1498	III	5.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
Sodium nitrite	5.1	UN1500	III	5.1, 6.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Sodium perborate monohydrate	5.1	UN3377	III	5.1	B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 25, 75
Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
Sodium peroxide	5.1	UN1504	I	5.1	A20, IB5, IP1, N34	None	211	None	Forbidden	15 kg	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	04	25, 5E
Sodium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1349	I	4.1	23, A8, A19, N41	None	211	None	Forbidden	15 kg	E	28, 36
Sodium picryl peroxide	Forbidden											
Sodium potassium alloys, see Potassium sodium alloys												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) 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 selenate, see Selenates or Selenites												
	Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization	4.2	UN1385	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	A	52
	Sodium sulfide, hydrated with not less than 30 percent water	8	UN1849	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
	Sodium superoxide	5.1	UN2547	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	E	13, 52, 66, 75
	Sodium tetrafluoroborate	Forbidden											
G	Solids containing corrosive liquid, n.o.s.	8	UN3244	II	8	49, IB5, T3, TP33	154	212	240	15 kg	50 kg	B	40
G	Solids containing flammable liquid, n.o.s.	4.1	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	240	15 kg	50 kg	B	
G	Solids containing toxic liquid, n.o.s.	6.1	UN3243	II	6.1	48, IB2, T2, TP33	153	212	240	25 kg	100 kg	B	40
	Sounding devices, explosive	1.2F	UN0204	II	1.2F	.....	None	62	62	Forbidden	Forbidden	05	25
	Sounding devices, explosive	1.1F	UN0296	II	1.1F	.....	None	62	62	Forbidden	Forbidden	05	25
	Sounding devices, explosive	1.1D	UN0374	II	1.1D	.....	None	62	62	Forbidden	Forbidden	04	25
	Spirits of salt, see Hydrochloric acid	1.2D	UN0375	II	1.2D	.....	None	62	62	Forbidden	Forbidden	04	25
	Squibs, see Igniters, etc												
	Stannic chloride, anhydrous	8	UN1827	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	
	Stannic chloride pentahydrate	8	UN2440	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Stannic phosphide	4.3	UN1433	I	4.3, 6.1	A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
	Steel swarf, see Ferrous metal borings, etc												
	Stribine	2.3	UN2676		2.3, 2.1	1	None	304	None	Forbidden	Forbidden	D	40
	Storage batteries, wet, see Batteries, wet, etc												
	Strontium arsenite	6.1	UN1691	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58
	Strontium chlorate	5.1	UN1506	II	5.1	A1, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	
	Strontium nitrate	5.1	UN1507	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Strontium perchlorate	5.1	UN1508	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58

Pipeline and Haz. Matls. Safety Admin., DOT

§ 172.101

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

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
D I	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40	
							153	212	242	25 kg	100 kg	A	40	
							153	213	240	100 kg	200 kg	A	40	
	8	Forbidden	8	UN2967	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	25, 74
								None	None	240	No Limit	No Limit	A	25, 74
								None	None	240	25 kg	100 kg	A	25, 74
								None	None	240	25 kg	100 kg	A	25, 74
	8	Forbidden	8	UN1828	I	8	5, A3, A7, A10, B10, B77, N34, T20, TP2	None	201	243	Forbidden	2.5 L	C	40
								None	304	314, 315	Forbidden	Forbidden	D	40
								None	306	314, 315	75 kg	150 kg	A	61
2.2	Sulfur dioxide solution, see Sulfurous acid	2.2	UN1080	III	2.2	3, B14, T50, TP19	306	304	314, 315	75 kg	150 kg	A	61	
							None	213	247	Forbidden	Forbidden	C	74	
							None	213	247	Forbidden	Forbidden	C	74	
4.1	Sulfur, molten	4.1	UN2448	III	4.1	30, B13, IB3, R1, T1, TP3	None	213	247	Forbidden	Forbidden	C	74	
							None	213	247	Forbidden	Forbidden	C	74	
							None	302	245	Forbidden	Forbidden	D	40, 52	
8	Sulfur tetrafluoride	8	UN2418	I	2, 3, 8	2, B9, B14, B32, B49, B77, N34, T20, TP4, TP13, TP25, TP26, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40	
							None	227	244	Forbidden	Forbidden	A	40	
							None	227	244	Forbidden	Forbidden	A	40	
+	Sulfur trioxide, stabilized	8	UN1829	I	8, 6.1	2, B9, B14, B32, B49, B77, N34, T20, TP4, TP13, TP25, TP26, TP38, TP45	None	201	243	Forbidden	2.5 L	C	14, 40	
							None	227	244	Forbidden	Forbidden	C	14, 40	
							None	227	244	Forbidden	Forbidden	C	14, 40	
8	Sulfuric acid, fuming with less than 30 percent free sulfur trioxide	8	UN1831	I	8	A3, A7, N34, T20, TP2, TP13	None	201	243	Forbidden	2.5 L	C	14, 40	
							None	227	244	Forbidden	Forbidden	C	14, 40	
							None	227	244	Forbidden	Forbidden	C	14, 40	
8	Sulfuric acid, fuming with 30 percent or more free sulfur trioxide	8	UN1831	I	8, 6.1	2, B9, B14, B32, B77, B84, N34, T20, TP2, TP12, TP13	None	201	243	Forbidden	2.5 L	C	14, 40	
							None	227	244	Forbidden	Forbidden	C	14, 40	
							None	227	244	Forbidden	Forbidden	C	14, 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)
	<i>Tetraethylammonium perchlorate (dry)</i>	Forbidden											
	Tetraethylenepentamine	8	UN2320		8			203	241	5 L	60 L	A	52.
	1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a	2.2	UN3159		2.2	IB3, T4, TP1 T50	306	304	314, 315	75 kg	150 kg	A	
	Tetrafluoroethylene, stabilized	2.1	UN1081		2.1		306	304	None	Forbidden	150 kg	E	40
	Tetrafluoromethane or Refrigerant gas R 14	2.2	UN1982		2.2		None	302	None	75 kg	150 kg	A	
	1,2,3,6-Tetrahydrobenzaldehyde	3	UN2498		3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Tetrahydrofuran	3	UN2056		3	IB2, T4, TP1	None	202	242	5 L	60 L	B	
	Tetrahydrofurfurylamine	3	UN2943		3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride	8	UN2698		8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	1,2,3,6-Tetrahydropyridine	3	UN2410		3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Tetrahydrothiophene	3	UN2412		3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Tetramethylammonium hydroxide, solid	8	UN3423		8	B2, IB8, IP2, IP4, T3, TP33	154	213	240	15 kg	50 kg	A	52
	Tetramethylammonium hydroxide solution	8	UN1835		8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52
	<i>Tetramethylene diperoxide dicarbamide</i>	Forbidden			8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	52
	Tetramethylsilane	3	UN2749		3	A7, T14, TP2	None	201	243	Forbidden	30 L	D	
	<i>Tetranitro diglycerin</i>	Forbidden											
	Tetranitroaniline	1.1D	UN0207		1.1D		None	62	None	Forbidden	Forbidden	04	25
	Tetranitromethane	6.1	UN1510		6.1, 5.1	2, B32, T20, TP2, TP13, TP38, TP44	None	227	None	Forbidden	Forbidden	D	40, 6
	2,3,4,6-Tetranitrophenol	Forbidden											
	2,3,4,6-Tetranitrophenyl methyl nitramine	Forbidden											
	2,3,4,6-Tetranitrophenylnitramine	Forbidden											
	Tetranitrosocinol (dry)	Forbidden											
	2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden											
	2,3,5,6-Tetranitroso nitrobenzene (dry)	Forbidden											
	Tetrapropylthiothianate	3	UN2413		3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	

Chemical Name	UN Number	Class	1.4C 1.1D	1.4C 1.1D	None	62	None	Forbiddn Forbiddn	75 kg Forbiddn	02 04	25 25, 5E
Tetrazene, <i>see</i> Guanyl nitrosaminoquanyltetrazene											
Tetrazine (dry)	UN0407	Forbiddn	1.4C	1.4C	None	62	None	Forbiddn	75 kg	02	25
Tetrazol-1-acetic acid	UN0504	Forbiddn	1.1D	1.1D	None	62	None	Forbiddn	Forbiddn	04	25, 5E
1H-tetrazole											
Tetrazolyl azide (dry)											
Tetryl, <i>see</i> Trinitrophenylmethylnitramine											
Textile waste, wet	UN1857	4.2	4.2	4.2	151	213	240	Forbiddn	Forbiddn	A	56, 58
Thallium chlorate	UN2573	5.1	5.1	5.1	152	212	242	5 kg	25 kg	A	
Thallium compounds, n.o.s	UN1707	6.1	6.1	6.1	153	212	242	25 kg	100 kg	A	
Thallium nitrate	UN2727	6.1	6.1	6.1	153	212	242	5 kg	25 kg	A	
4-Thiapentanal	UN2785	6.1	6.1	6.1	153	203	241	60 L	220 L	D	25, 49
Thioacetic acid	UN2436	3	3	3	150	202	242	5 L	60 L	B	40
Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	UN2772	3	3, 6.1	3, 6.1	None	201	243	Forbiddn	30 L	B	
Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	UN3005	6.1	3, 6.1 6.1, 3	3, 6.1 6.1, 3	150	202	243	1 L	60 L	B	40
Thiocarbamate pesticide, liquid, toxic	UN3006	6.1	6.1, 3 6.1	6.1, 3 6.1	153	202	243	5 L	60 L	B	40
Thiocarbamate pesticides, solid, toxic	UN2771	6.1	6.1 6.1	6.1 6.1	153	203	241	60 L	220 L	A	40
Thiocarbonylchloride, <i>see</i> Thiophosgene											
Thioglycol	UN2966	6.1	6.1	6.1	153	202	243	5 L	60 L	A	40
Thioglycolic acid	UN1940	8	8	8	154	202	242	1 L	30 L	A	
Thiolactic acid	UN2936	6.1	6.1	6.1	153	202	243	5 L	60 L	A	40
Thionyl chloride	UN1836	8	8	8	None	201	243	Forbiddn	Forbiddn	C	
Thiophene	UN2414	3	3	3	150	202	242	5 L	60 L	B	40
Thiophosgene	UN2474	6.1	6.1	6.1	None	227	244	Forbiddn	Forbiddn	D	40, 52
Thiophosphoryl chloride	UN1837	8	8	8	None	202	242	Forbiddn	30 L	C	40
Thiourea dioxide	UN3341	4.2	4.2	4.2	None	212	241	15 kg	50 kg	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Toxic by inhalation liquid, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3384	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, water-re-active, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3385	I	6.1, 4.3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, water-re-active, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3386	I	6.1, 4.3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3490	I	6.1, 4.3, 3	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 28, 40, 49
G	Toxic by inhalation liquid, water-re-active, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3491	I	6.1, 4.3, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 28, 40, 49
G	Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3387	I	6.1, 5.1	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40

G	Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3388	I	6.1, 5.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3389	I	6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3390	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	A	40
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1, 8	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1, 8	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1, 8	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	IB2, T11, TP2, TP27	153	201	243	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	I	6.1, 5.1	A4	None	201	243	Forbidden	2.5 L	C	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	II	6.1, 5.1	IB2	153	202	243	1 L	5 L	C	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3	A4	None	201	243	Forbidden	1 L	E	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	II	6.1, 4.3	IB2	None	202	243	1 L	5 L	E	40
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	I	6.1, 8	IB7, T6, TP33	None	211	242	1 kg	25 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	I	6.1, 8	IB7, T6, TP33	None	211	242	1 kg	25 kg	B	40
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	II	6.1, 8	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1, 4.1	IB6, T6, TP33	None	211	242	1 kg	15 kg	B	
				II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	
G	Toxic solids, organic, n.o.s.	6.1	UN2811	I	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	I	6.1, 5.1	T6, TP33	None	211	242	1 kg	15 kg	C	
				II	6.1, 5.1	IB6, IP2, T3, TP33	153	212	242	15 kg	50 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
				II	6.1, 4.2	IB6, IP2, T3, TP33	None	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
				II	6.1, 4.3	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	D	40
G	Toxins, extracted from living sources, liquid, n.o.s.	6.1	UN3172	I	6.1	141	None	201	243	1 L	30 L	B	40
				II	6.1	141, IB2	None	202	243	5 L	60 L	B	40
				III	6.1	141, IB3	153	203	241	60 L	220 L	B	40
G	Toxins, extracted from living sources, solid, n.o.s.	6.1	UN3462	I	6.1	141, IB7, IP1, T6, TP33	None	211	243	5 kg	50 kg	B	
				II	6.1	141, IB8, IP2, IP4, T3, TP33	None	212	243	25 kg	100 kg	B	
D	Toy Caps	1.4S	NA0337	III	6.1	141, IB8, IP3, T1, TP33	153	213	241	100 kg	200 kg	A	25
	Tracers for ammunition	1.3G	UN0212	II	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Tracers for ammunition	1.4G	UN0306	II	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Tractors, see Vehicle, etc			II	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Tri-(b-nitroxyethyl) ammonium ni-trate	Forbidden											
	Triallyl borate	6.1	UN2609	III	6.1	IB3	153	203	241	60 L	220 L	A	13
	Triethylamine	3	UN2610	III	3, 8	B1, IB3, T4, TP1	None	203	242	5 L	60 L	A	40

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Other	Quantity	Label	Other
3 UN2764	Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	I	3, 6.1		T14, TP2, TP13, TP27	None	201	243	30 L	B	40
6.1 UN2998	Triazine pesticides, liquid, toxic	II	3, 6.1		IB2, T11, TP2, TP13, TP27	150	202	243	60 L	B	40
6.1 UN2997	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	I	6.1, 3		T14, TP2, TP13, TP27	None	201	243	30 L	B	40
6.1 UN2763	Triazine pesticides, solid, toxic	III	6.1, 3		IB3, T7, TP2, TP28	153	203	241	220 L	A	40
6.1 UN2542	Tributylamine	I	6.1, 3		T14, TP2, TP13, TP27	None	201	243	30 L	B	40
4.2 UN3254	Tributylphosphane	I	4.2		T21, TP7, TP33	None	211	242	Forbiddn	D	136
8 UN1839	Trichloro-s-triazinetriene, dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry	II	8		A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	50 kg	A	40
8 UN2564	Trichloroacetic acid, solution	II	8		A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	242	30 L	B	40
8 UN2442	Trichloroacetyl chloride	III	8		A3, A6, A7, IB3, N34, T4, TP1	154	203	241	60 L	B	8
6.1 UN2321	Trichlorobenzenes, liquid	III	6.1		2, B9, B14, B32, N34, T20, TP2, TP38, TP45	None	227	244	Forbiddn	D	40
6.1 UN2322	Trichlorobutene	III	6.1		IB3, T4, TP1	153	203	241	220 L	A	25, 40
6.1 UN2831	1,1,1-Trichloroethane	III	6.1		IB2, T7, TP2	153	202	243	60 L	A	40
6.1 UN1710	Trichloroethylene	III	6.1		IB3, N36, T4, TP1	153	203	241	220 L	A	40
5.1 UN2468	Trichloroisocyanuric acid, dry	II	5.1		IB3, N36, T4, TP1	153	203	241	220 L	A	40
4.3 UN1295	Trichloromethyl perchlorate	I	4.3, 3, 8		IB8, IP2, IP4, T3, TP33	152	212	240	25 kg	A	13
6.1 UN2574	Tricresyl phosphate with more than 3 percent ortho isomer	II	6.1		N34, T14, TP2, TP7, TP13	None	201	244	Forbiddn	D	21, 28, 40, 49, 100
3 UN2323	Triethyl phosphite	III	3		A3, IB2, N33, N34, T7, TP2	153	202	243	60 L	A	40
3 UN1296	Triethylamine	III	3, 8		B1, IB3, T2, TP1	150	202	242	220 L	A	40
8 UN2259	Triethylenetetramine	II	8		IB2, T7, TP2	154	202	242	30 L	B	40, 52
8 UN2699	Trifluoroacetic acid	I	8		A3, A6, A7, B4, N3, N34, N36, T10, TP2	None	201	243	0.5 L	B	12, 40
2.3 UN3057	Trifluoroacetyl chloride	I	2.3, 8		2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbiddn	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	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, 315	75 kg	150 kg	A	
	Trifluoromethane, refrigerated liquid	2.2	UN3136		2.2	T75, TP5	306	None	314, 315	50 kg	500 kg	D	
	1,1,1-Trifluoroethane or Refrigerant gas, R 143a	2.1	UN2035		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	2-Trifluoromethylaniline	6.1	UN2942	III	6.1	IB3	153	203	241	60 L	220 L	A	40
	3-Trifluoromethylaniline	6.1	UN2948	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Trifluoromethane trinitrate	Forbidden											
	Trisobutylene	3	UN2324	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Triisopropyl borate	3	UN2616	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
				I	6.1, 3	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	E	40
	Trimethoxysilane	6.1	NA9269		6.1, 3	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	202	242	5 L	60 L	B	
	Trimethyl borate	3	UN2416	II	3	IB2, T7, TP1	150	202	242	60 L	220 L	A	
	Trimethyl phosphite	3	UN2329	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbidden												
Trimethylacetyl chloride	6.1	UN2438	I	6.1, 8, 3	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	25, 40	
Trimethylamine, anhydrous	2.1	UN1083		2.1	N87, T50	306	304	314, 315	Forbidden	150 kg	B	40	
Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass	3	UN1297	I	3, 8	T11, TP1	None	201	243	0.5 L	2.5 L	D	40, 135	
1,3,5-Trimethylbenzene	3	UN2325	III	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 41	
Trimethylchlorosilane	3	UN1298	III	3, 8	B1, IB3, T2, TP1	150	203	242	5 L	60 L	A	40, 41	
			II	3, 8	A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	E	40	
Trimethylcyclohexylamine	8	UN2326	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
Trimethylene glycol dipchlorate	Forbidden												
Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	IB3, T4, TP2, TP13	153	203	241	60 L	220 L	B		
Trimethylhexamethylenediamines	8	UN2327	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
Trimethylol nitromethane trinitrate	Forbidden												

Tritro-m-cresol	1.1D	UN0216	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25, 5E
2,4,6-Trinitro-1,3-diazobenzene	Forbiddn											
2,4,6-Trinitro-1,3,5-triazido benzene (dry)	Forbiddn											
Trinitroacetic acid	Forbiddn											
Trinitroacetone	Forbiddn											
Trinitroamine cobalt	Forbiddn											
Trinitroaniline or Picramide	1.1D	UN0153	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitroanisole	1.1D	UN0213	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitrobenzene, wetted, with not less than 10% water, by mass	4.1	UN3367	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
Trinitrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	4	25
Trinitrobenzenesulfonic acid	1.1D	UN0386	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25, 5E
Trinitrobenzoic acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0215	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass	4.1	UN3368	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
Trinitrochlorobenzene or Picryl chloride, wetted, with not less than 10% water by mass	4.1	UN1355	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	0.5 kg	E	28
Trinitroethanol	1.1D	UN0155	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitroethylnitrate	4.1	UN3365	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
Trinitrofluorenone	Forbiddn											
Trinitromethane	Forbiddn											
1,3,5-Trinitronaphthalene	Forbiddn											
Trinitrophenetole	1.1D	UN0217	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitrophenol (picric acid), wetted, with not less than 10 percent water by mass	1.1D	UN0218	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Trinitrophenol or Picric acid, dry or wetted with less than 30 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
Trinitrophenol, wetted with not less than 30 percent water, by mass	1.1D	UN0154	II	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25, 5E
Trinitrophenyl guanidine (dry)	4.1	UN1344	I	4.1	23, A8, A19, N41	None	211	None	1 kg	15 kg	E	28, 36
2,4,6-Trinitrophenyl nitramine	Forbiddn											
2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry)	Forbiddn											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Tritrophenylmethylnitramine or Tetryl	1.1D	UN0208	II	1.1D	.....	None (8A)	62 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	04 (10A)	25 (10B)
	Tritroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0219	II	1.1D	.....	None (8A)	62 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	04 (10A)	25, 5E (10B)
	Tritroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass	1.1D	UN0394	II	1.1D	.....	None (8A)	62 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	04 (10A)	25, 5E (10B)
	2,4,6-Tritroso-3-methyl nitraminoisole	Forbidden											
	Tritrotriamine cobalt nitrate	Forbidden											
	Tritrotoluene and Tritrobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Tritrotoluene and hexanitrostilbene mixtures	1.1D	UN0388	II	1.1D	.....	None (8A)	62 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	04 (10A)	25 (10B)
	Tritrotoluene mixtures containing Tritrobenzene and Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene	1.1D	UN0209	II	1.1D	.....	None (8A)	62 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	04 (10A)	25 (10B)
	Tritrotoluene or TNT, dry or wetted with less than 30 percent water, by mass	4.1	UN3366	I	4.1	162, A8, A19, N41, N84	None (8A)	211 (8B)	None (8C)	0.5 kg (9A)	0.5 kg (9B)	E (10A)	36 (10B)
	Tritrotoluene (TNT), wetted, with not less than 10 percent water by mass	4.1	UN1356	I	4.1	23, A2, A8, A19, N41	None (8A)	211 (8B)	None (8C)	0.5 kg (9A)	0.5 kg (9B)	E (10A)	28, 36 (10B)
	Tritrotoluene, wetted or TNT, wetted, with not less than 30 percent water by mass	3	UN2260	III	3, 8	B1, IB3, T4, TP1	150 (8A)	203 (8B)	242 (8C)	5 L (9A)	60 L (9B)	A (10A)	40 (10B)
	Tripropylamine	3	UN2057	III	3	IB2, T4, TP1	150 (8A)	202 (8B)	242 (8C)	5 L (9A)	60 L (9B)	B (10A)	
	Tripropylene	3	UN2057	III	3	B1, IB3, T2, TP1	150 (8A)	203 (8B)	242 (8C)	60 L (9A)	220 L (9B)	A (10A)	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Vinyl chloride, stabilized	2.1	UN1086		2.1	21, B44, N86, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Vinyl ethyl ether, stabilized	3	UN1302	I	3	A3, T11, TP2	None	201	243	1 L	30 L	D	
	Vinyl fluoride, stabilized	2.1	UN1860		2.1	N86	306	304	314	Forbidden	150 kg	E	40
	Vinyl isobutyl ether, stabilized	3	UN1304	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Vinyl methyl ether, stabilized	2.1	UN1087		2.1	B44, T50	306	304	314, 315	Forbidden	150 kg	B	40
	<i>Vinyl nitrate polymer</i>	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	
	Vinyltrichlorosilane	3	UN1305	II	3, 8	A3, A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40
	Warheads, rocket with burster or expelling charge	1.4D	UN0370	II	1.4D		None	62	62	Forbidden	75 kg	02	25
	Warheads, rocket with burster or expelling charge	1.4F	UN0371	II	1.4F		None	62	62	Forbidden	Forbidden	05	25
	Warheads, rocket with bursting charge	1.1D	UN0286	II	1.1D		None	62	62	Forbidden	Forbidden	04	25
	Warheads, rocket with bursting charge	1.2D	UN0287	II	1.2D		None	62	62	Forbidden	Forbidden	04	25
	Warheads, rocket with bursting charge	1.1F	UN0369	II	1.1F		None	62	62	Forbidden	Forbidden	05	25
	Warheads, torpedo with bursting charge	1.1D	UN0221	II	1.1D		None	62	62	Forbidden	Forbidden	04	25
G	Water-reactive liquid, corrosive, n.o.s.	4.3	UN3129	I	4.3, 8	T14, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D	
					4.3, 8	IB1, T11, TP2, TP7	None	202	243	1 L	5 L	E	85
					4.3, 8	IB2, T7, TP2, TP7	None	203	242	5 L	60 L	E	
G	Water-reactive liquid, n.o.s.	4.3	UN3148	II	4.3	T13, TP2, TP7, TP41	None	201	244	Forbidden	1 L	E	40
					4.3	IB1, T7, TP2, TP7	None	202	243	1 L	5 L	E	40
					4.3	IB2, T7, TP2, TP7	None	203	242	5 L	60 L	E	40
G	Water-reactive liquid, toxic, n.o.s.	4.3	UN3130	I	4.3, 6.1	A4	None	201	243	Forbidden	1 L	D	

G	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	II	4.3, 6.1	IB1	None	202	243	1 L	5 L	E	85													
													85													
G	Water-reactive solid, flammable, n.o.s.	4.3	UN3132	I	4.3, 8	IB4, IP1, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	D	85													
													85													
													G	Water-reactive solid, n.o.s.	4.3	UN2813	I	4.3	IB4, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	E	40
																										40
													G	Water-reactive, solid, oxidizing, n.o.s.	4.3	UN3133	II	4.3, 5.1	IB7, IP2, T3, TP33	None	212	242	15 kg	E	40	40
																										40
													G	Water-reactive solid, self-heating, n.o.s.	4.3	UN3135	I	4.3, 4.2	N40	None	211	242	Forbidden	15 kg	E	40
																										40
													G	Water-reactive solid, toxic, n.o.s.	4.3	UN3134	III	4.3	IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	E	85
																										85
I	Wheel chair, electric, see Battery powered vehicle or Battery powered equipment	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	240	200 kg	200 kg	A														34, 40
																										34, 40
A I W	Wool waste, wet Xanthates	4.2	UN1307	III	6.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A														40
																										40
													Xenon, compressed	2.2	UN2036	III	2.2	None	None	306, 307	None	None	50 kg	500 kg	D	40
																										40
Xenon, refrigerated liquid (cryogenic liquids)	2.2	UN2591	III	2.2	T75, TP5	None	320	None	None	50 kg	500 kg	D	40													
													40													
Xylenes	3	UN1307	III	3	None	IB2, T4, TP1	150	203	242	5 L	60 L	B	40													
													40													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage																																																																																				
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)																																																																																				
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)																																																																													
(1)	Xylenols, solid Xylenols, liquid Xylenols, liquid Xylenols, liquid Xylyl bromide, liquid Xylyl bromide, solid	6.1 6.1 6.1 6.1 6.1 6.1	UN2261 UN3430 UN1711 UN3452 UN1701 UN3417	II II II II II II	6.1 6.1 6.1 6.1 6.1 6.1	(7)	IB8, IP2, IP4, T3, TP33 IB2, T7, TP2 IB2, T7, TP2 IB8, IP2, IP4, T3, TP33 A3, A6, A7, IB2, N33, T7, TP2, TP13 A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	153 153 153 153 None None	212 202 202 212 340 340	242 243 243 242 None None	100 kg 60 L 60 L 100 kg 60 L 100 kg	A A A A D B	40 40																																																																																				
														p-Xylyl diazide Zinc ammonium nitrite Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures Zinc ashes	5.1 6.1 4.3	UN1512 UN1712 UN1435	II II III	5.1 6.1 4.3	IB8, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33 A1, A19, IB8, IP4, T1, TP33	None 153 151	212 212 213	242 242 241	25 kg 25 kg 100 kg	A A A	56, 58 56, 58																																																																								
																										Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s. Zinc bromate	5.1 5.1	UN2469 UN1513	III II	5.1 5.1	A1, A29, IB8, IP3, T1, TP33 A9, IB8, IP2, IP4, N34, TP33	152 152	213 212	240 242	100 kg 25 kg	A A	56, 58 56, 58																																																												
																																						Zinc chlorate	8 8 6.1 9 6.1	UN2331 UN1840 UN1713 UN1931 UN2855	III III I III III	8 8 6.1 None 6.1	IB8, IP3, T1, TP33 IB3, T4, TP1 IB7, IP1, T6, TP33 IB8, IP3, T1, TP33 IB8, IP3, T1, TP33	None 154 None 155 153	213 203 211 204 213	240 241 242 240 240	100 kg 60 L 50 kg 200 kg 200 kg	A A A A A	52 49 52																																																
																																																		Zinc hydrosulfite, see Zinc dithionite chloride, solution Zinc nitrate Zinc permanganate	5.1 5.1	UN1514 UN1515	II II	5.1 5.1	IB8, IP2, IP4, T3, TP33 IB6, IP2, T3, TP33	152 152	212 212	240 242	5 kg 5 kg	A D	56, 58, 138 66, 75 40, 52, 85																																				
																																																														Zinc peroxide	5.1	UN1516	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	A	52, 53																								
																																																																										Zinc phosphide	4.3	UN1714	I	4.3, 6.1	A19, N40	None	211	None	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	15 kg	A	52, 53

Zinc resinolate	4.1	UN2714	III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	52, 53
Zinc selenate, see Selenates or Selenites			II	4.3, 4.2	A19, IB7, IP2, T3, TP33	None	212	242	15 kg	50 kg	A	52, 53
Zinc selenite, see Selenates or Selenites			III	4.3, 4.2	IB8, IP4, T1, TP33	None	213	242	25 kg	100 kg	A	52, 53
Zinc silicofluoride, see Zinc fluorosilicate			III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	
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	O4	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	
			II	4.1	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	E	74
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	4.2	UN1932	III	4.2	IB8, IP3, N34, T1, TP33	None	213	240	Forbidden	Forbidden	D	
Zirconium scrap	3	UN1308	I	3	IB2	None	201	243	Forbidden	Forbidden	B	
Zirconium suspended in a liquid			II	3	B1, IB2	None	202	242	5 L	60 L	B	
			III	3	IB8, IP3, T1, TP33	150	203	242	60 L	220 L	B	
Zirconium tetrachloride	8	UN2503	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	.....

§ 172.101

49 CFR Ch. I (10–1–14 Edition)

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 <i>⊄</i>	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 <i>⊄</i>	1 (0.454)
Arsenic acid H ₃ AsO ₄	1 (0.454)
Arsenic disulfide	1 (0.454)
Arsenic oxide As ₂ O ₃	1 (0.454)
Arsenic oxide As ₂ O 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 <i>⊄⊄</i>	1 (0.454)
Auramine	100 (45.4)
Azaserine	1 (0.454)
Aziridine	1 (0.454)
Aziridine, 2-methyl-	1 (0.454)
Azirino[2,3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8alpha, 8balpha)]-	10 (4.54)
Barban	10 (4.54)
Barium cyanide	10 (4.54)
Bendiocarb	100 (45.4)
Bendiocarb phenol	1000 (454)
Benomyl	10 (4.54)
Benz[<i>j</i>]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[<i>c</i>]acridine	100 (45.4)
Benzal chloride	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Benz[<i>a</i>]anthracene	10 (4.54)
1,2-Benzanthracene	10 (4.54)
Benz[<i>a</i>]anthracene, 7,12-dimethyl-	1 (0.454)
Benzenamine	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	100 (45.4)
Benzenamine, 4-chloro-	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)
Benzenamine, 2-methyl-	100 (45.4)
Benzenamine, 4-methyl-	100 (45.4)
Benzenamine, 4,4'-methylenebis[2-chloro-	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	100 (45.4)
Benzenamine, 4-nitro-	5000 (2270)
Benzene	10 (4.54)
Benzenoacetic acid, 4-chloro- α -(4-chlorophenyl)- α -hydroxy-, ethyl ester	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	100 (45.4)
Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)
Benzene, chloro-	100 (45.4)
Benzene, (chloromethyl)-	100 (45.4)
Benzenediamine, ar-methyl-	10 (4.54)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	5000 (2270)

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Bromoacetone	1000 (454)
Bromoform	100 (45.4)
Bromomethane	1000 (454)
4-Bromophenyl phenyl ether	100 (45.4)
Brucine	100 (45.4)
1,3-Butadiene	10 (4.54)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	1 (0.454)
1-Butanamine, N-butyl-N-nitroso-	10 (4.54)
1-Butanol	5000 (2270)
2-Butanone	5000 (2270)
2-Butanone, 3,3-dimethyl-1(methylthio)-, O [(methylamino) carbonyl] oxime	100 (45.4)
2-Butanone peroxide	10 (4.54)
2-Butenal	100 (45.4)
2-Butene, 1,4-dichloro-	1 (0.454)
2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy] methyl]-2,3,5,7a-tetrahydro-1H-pyrrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*),7aalpha]-	10 (4.54)
Butyl acetate	5000 (2270)
iso-Butyl acetate.	
sec-Butyl acetate.	
tert-Butyl acetate.	
n-Butyl alcohol	5000 (2270)
Butylamine	1000 (454)
iso-Butylamine.	
sec-Butylamine.	
tert-Butylamine.	
Butyl benzyl phthalate	100 (45.4)
n-Butyl phthalate	10 (4.54)
Butyric acid	5000 (2270)
iso-Butyric acid.	
Cacodylic acid	1 (0.454)
Cadmium <i>el</i>	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)
Kepon	1 (0.454)
Lasiocarpine	10 (4.54)
Lead	10 (4.54)
Lead acetate	10 (4.54)
Lead arsenate	1 (0.454)
Lead, bis(acetato-O)tetrahydroxytri-	10 (4.54)
Lead chloride	10 (4.54)
Lead fluoborate	10 (4.54)
Lead fluoride	10 (4.54)
Lead iodide	10 (4.54)
Lead nitrate	10 (4.54)
Lead phosphate	10 (4.54)
Lead stearate	10 (4.54)
Lead subacetate	10 (4.54)
Lead sulfate	10 (4.54)
Lead sulfide	10 (4.54)
Lead thiocyanate	10 (4.54)
Lindane	1 (0.454)
Lindane (all isomers)	1 (0.454)
Lithium chromate	10 (4.54)
Malathion	100 (45.4)
Maleic acid	5000 (2270)
Maleic anhydride	5000 (2270)
Maleic hydrazide	5000 (2270)
Malononitrile	1000 (454)
Manganese, bis(dimethylcarbamodithioato-S,S')	10 (4.54)
Manganese dimethylthiocarbamate	10 (4.54)
MDI	5000 (2270)
MEK	5000 (2270)
Melphalan	1 (0.454)
Mercaptodimethur	10 (4.54)
Mercuric cyanide	1 (0.454)
Mercuric nitrate	10 (4.54)
Mercuric sulfate	10 (4.54)
Mercuric thiocyanate	10 (4.54)
Mercurous nitrate	10 (4.54)
Mercury	1 (0.454)
Mercury, (acetato-O)phenyl-	100 (45.4)
Mercury fulminate	10 (4.54)
Methacrylonitrile	1000 (454)
Methanamine, N-methyl-	1000 (454)
Methanamine, N-methyl-N-nitroso-	10 (4.54)
Methane, bromo-	1000 (454)
Methane, chloro-	100 (45.4)
Methane, chloromethoxy-	10 (4.54)
Methane, dibromo-	1000 (454)
Methane, dichloro-	1000 (454)
Methane, dichlorodifluoro-	5000 (2270)
Methane, iodo-	100 (45.4)
Methane, isocyanato-	10 (4.54)
Methane, oxybis(chloro-	10 (4.54)
Methanesulfonyl chloride, trichloro-	100 (45.4)
Methanesulfonic acid, ethyl ester	1 (0.454)
Methane, tetrachloro-	10 (4.54)
Methane, tetranitro-	10 (4.54)
Methanethiol	100 (45.4)
Methane, tribromo-	100 (45.4)
Methane, trichloro-	10 (4.54)
Methane, trichlorofluoro-	5000 (2270)
Methanimidamide, N,N-dimethyl-N'-[3-[(methylamino) carbonyl] oxy] phenyl]-, monohydrochloride	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[(methylamino) carbonyl] oxy]phenyl]-	100 (45.4)
6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide	1 (0.454)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	1 (0.454)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	1 (0.454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Methanol	5000 (2270)
Methapyrilene	5000 (2270)
1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	1 (0.454)
Methiocarb	10 (4.54)
Methomyl	100 (45.4)
Methoxychlor	1 (0.454)
Methyl alcohol	5000 (2270)
Methylamine ®	100 (45.4)
2-Methyl aziridine	1 (0.454)
Methyl bromide	1000 (454)
1-Methylbutadiene	100 (45.4)
Methyl chloride	100 (45.4)
Methyl chlorocarbonate	1000 (454)
Methyl chloroform	1000 (454)
Methyl chloroformate ®	1000 (454)
Methyl chloromethyl ether ®	10 (4.54)
3-Methylcholanthrene	10 (4.54)
4,4'-Methylenebis(2-chloroaniline)	10 (4.54)
Methylene bromide	1000 (454)
Methylene chloride	1000 (454)
4,4'-Methylenedianiline	10 (4.54)
Methylene diphenyl diisocyanate	5000 (2270)
Methyl ethyl ketone	5000 (2270)
Methyl ethyl ketone peroxide	10 (4.54)
Methyl hydrazine	10 (4.54)
Methyl iodide	100 (45.4)
Methyl isobutyl ketone	5000 (2270)
Methyl isocyanate	10 (4.54)
2-Methylacetonitrile	10 (4.54)
Methyl mercaptan	100 (45.4)
Methyl methacrylate	1000 (454)
Methyl parathion	100 (45.4)
4-Methyl-2-pentanone	5000 (2270)
Methyl tert-butyl ether	1000 (454)
Methylthiouracil	10 (4.54)
Metolcarb	1000 (454)
Mevinphos	10 (4.54)
Mexacarbate	1000 (454)
Mitomycin C	10 (4.54)
MNNG	10 (4.54)
Monoethylamine	100 (45.4)
Monomethylamine	100 (45.4)
Naled	10 (4.54)
5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	10 (4.54)
1-Naphthalenamine	100 (45.4)
2-Naphthalenamine	10 (4.54)
Naphthalenamine, N,N'-bis(2-chloroethyl)-	100 (45.4)
Naphthalene	100 (45.4)
Naphthalene, 2-chloro-	5000 (2270)
1,4-Naphthalenedione	5000 (2270)
2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt	10 (4.54)
1-Naphthalenol, methylcarbamate	100 (45.4)
Naphthenic acid	100 (45.4)
1,4-Naphthoquinone	5000 (2270)
alpha-Naphthylamine	100 (45.4)
beta-Naphthylamine	10 (4.54)
alpha-Naphthylthiourea	100 (45.4)
Nickel ¢	100 (45.4)
Nickel ammonium sulfate	100 (45.4)
Nickel carbonyl Ni(CO)4, (T-4)	10 (4.54)
Nickel chloride	100 (45.4)
Nickel cyanide Ni(CN)2	10 (4.54)
Nickel hydroxide	10 (4.54)
Nickel nitrate	100 (45.4)
Nickel sulfate	100 (45.4)
Nicotine, & salts	100 (45.4)
Nitric acid	1000 (454)
Nitric acid, thallium (1+) salt	100 (45.4)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ζ The RQ for asbestos is limited to friable forms only.

⊗ Indicates that the name was added by PHMSA because (1) the name is a synonym for a specific hazardous substance and (2) the name appears in the Hazardous Materials Table as a proper shipping name.

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

LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

TABLE 2 TO APPENDIX A—RADIONUCLIDES

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

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

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)

§ 172.101

49 CFR Ch. I (10–1–14 Edition)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

§ 172.101

49 CFR Ch. I (10-1-14 Edition)

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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

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

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

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

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

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

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

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

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

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

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

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

LIST OF MARINE POLLUTANTS

S.M.P. (1)	Marine pollutant (2)
	Acetone cyanohydrin, stabilized
	Acetylene tetrabromide
	Acetylene tetrachloride
	Acraldehyde, inhibited
	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

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
	Aminocarb		Chloropicrin
	Ammonium dinitro-o-cresolate		alpha-Chloropropylene
	n-Amylbenzene		Chlorotoluenes (meta-;para-)
PP	Azinphos-ethyl	PP	Chlorpyrifos
PP	Azinphos-methyl	PP	Chlorthiophos
	Barium cyanide		Cocculus
	Bendiocarb		Coconitrite
	Benomyl		Copper acetoarsenite
	Benquinox		Copper arsenite
	Benzyl chlorocarbonate	PP	Copper chloride
	Benzyl chloroformate	PP	Copper chloride solution
PP	Binapacryl	PP	Copper cyanide
	<i>N,N-Bis</i> (2-hydroxyethyl) oleamide (LOA)	PP	Copper metal powder
PP	Brodifacoum	PP	Copper sulphate, anhydrous, hydrates
	Bromine cyanide		Coumachlor
	Bromoacetone	PP	Coumaphos
	Bromoallylene	PP	Cresyl diphenyl phosphate
	Bromobenzene		Crotonaldehyde, stabilized
	ortho-Bromobenzyl cyanide		Crotonic aldehyde, stabilized
	Bromocycane		Croxyphos
	Bromoform		Cupric arsenite
PP	Bromophos-ethyl	PP	Cupric chloride
	3-Bromopropene	PP	Cupric cyanide
	Bromoxynil	PP	Cupric sulfate
	Butanedione		Cupriethylenediamine solution
	2-Butenal, stabilized	PP	Cuprous chloride
	Butyl benzyl phthalate		Cyanide mixtures
	<i>N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine</i>		Cyanide solutions
	2,4-Di- <i>tert</i> -butylphenol		Cyanides, inorganic, n.o.s.
PP	2, 6-Di- <i>tert</i> -Butylphenol		Cyanogen bromide
	para-tertiary-butyltoluene		Cyanogen chloride, inhibited
PP	Cadmium compounds		Cyanogen chloride, stabilized
	Cadmium sulphide	PP	Cyanophos
	Calcium arsenate	PP	1,5,9-Cyclododecatriene
	Calcium arsenate and calcium arsenite, mixtures, solid	PP	Cyhexatin
	Calcium cyanide	PP	Cyrenes (o-;m-;p-)
PP	Camphchlor	PP	Cypermethrin
	Carbaryl		Decyl acrylate
	Carbendazim	PP	DDT
	Carbofuran		Decyloxyltetrahydrothiophene dioxide
	Carbon tetrabromide		DEF
	Carbon tetrachloride		Desmedipham
PP	Carbophenothion	PP	Di-allate
	Cartap hydrochloride		Di-n-Butyl phthalate
PP	Chlordane	PP	Dialifos
	Chlorfenvinphos		4,4'-Diaminodiphenylmethane
PP	Chlorinated paraffins (C-10 - C-13)	PP	Diazinon
PP	Chlorinated paraffins (C14–C17), with more than 1% shorter chain length		1,3-Dibromobenzene
	Chlorine		Dichlofenthion
	Chlorine cyanide, inhibited		Dichloroanilines
	Chlormephos		1,3-Dichlorobenzene
	Chloroacetone, stabilized		1,4-Dichlorobenzene
	1-Chloro-2,3-Epoxypropane		Dichlorobenzene (meta-; para-)
	2-Chloro-6-nitrotoluene		2,2-Dichlorodiethyl ether
	4-Chloro-2-nitrotoluene		Dichlorodimethyl ether, symmetrical
	Chloro-ortho-nitrotoluene		Di-(2-chloroethyl) ether
	2-Chloro-5-trifluoromethylnitrobenzene	PP	1,1-Dichloroethylene, inhibited
	para-Chlorobenzyl chloride, liquid or solid	PP	1,6-Dichlorohexane
	Chlorodinitrobenzenes, liquid or solid		Dichlorophenyltrichlorosilane
	1-Chloroheptane	PP	Dichlorvos
	1-Chlorohexane		Diclofop-methyl
	Chloronitroanilines		Dicrotophos
	Chloronitrotoluenes, liquid	PP	Dieldrin
	Chloronitrotoluenes, solid	PP	Diisopropylbenzenes
	1-Chlorooctane		Diisopropylphthalenes, mixed isomers
PP	Chlorophenolates, liquid		Dimethoate
PP	Chlorophenolates, solid		N,N-Dimethyldodecylamine
	Chlorophenyltrichlorosilane		Dimethylhydrazine, symmetrical
			Dimethylhydrazine, unsymmetrical
			Dinitro-o-cresol, solid
			Dinitro-o-cresol, solution

§ 172.101

49 CFR Ch. I (10–1–14 Edition)

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Dinitrochlorobenzenes, liquid or solid
	Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>
	Dinitrophenol solutions
	Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>
	Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i>
	Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>
	Dinobuton
	Dinoseb
	Dinoseb acetate
	Dioxacarb
	Dioxathion
	Dipentene
	Diphacinone
	Diphenyl
PP	Diphenylamine chloroarsine
PP	Diphenylchloroarsine, solid or liquid
	Disulfoton
	1,4-Di-tert-butylbenzene
	DNOC
	DNOC (pesticide)
	Dodecyl diphenyl oxide disulphonate
PP	Dodecyl hydroxypropyl sulfide
	1-Dodecylamine
PP	Dodecylphenol
	Drazoxolon
	Edifenphos
PP	Endosulfan
PP	Endrin
	Epibromohydrin
	Epichlorohydrin
PP	EPN
PP	Esfenvalerate
PP	Ethion
	Ethoprophos
	Ethyl fluid
	Ethyl mercaptan
	2-Ethylhexyl nitrate
	2-Ethyl-3-propylacrolein
	Ethyl tetraphosphate
	Ethylchloroarsine
	Ethylene dibromide and methyl bromide mixtures, liquid
	2-Ethylhexaldehyde
PP	Fenamiphos
PP	Fenbutatin oxide
PP	Fenchlorazole-ethyl
PP	Fenitrothion
PP	Fenoxapro-ethyl
PP	Fenoxaprop-P-ethyl
PP	Fenpropathrin
	Fensulfothion
PP	Fenthion
PP	Fentin acetate
PP	Fentin hydroxide
	Ferric arsenate
	Ferric arsenite
	Ferrous arsenate
PP	Fonofos
	Formetanate
PP	Furathiocarb (ISO)
PP	gamma-BHC
	Gasoline, leaded
PP	Heptachlor
	Heptenophos
	n-Heptaldehyde
	n-Heptylbenzene
	normal-Heptyl chloride

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Hexachlorobutadiene
PP	1,3-Hexachlorobutadiene
	Hexaethyl tetraphosphate <i>liquid</i>
	Hexaethyl tetraphosphate, <i>solid</i>
	normal-Hexyl chloride
	n-Hexylbenzene
	Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water
	Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material
	Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>
	Hydrogen cyanide, stabilized <i>with less than 3% water</i>
	Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
	Hydroxydimethylbenzenes, liquid or solid
	Ioxynil
	Isobenzan
	Isobutyl butyrate
	Isobutylbenzene
	Isodecyl acrylate
	Isodecyl diphenyl phosphate
	Isufenphos
	Isooctyl nitrate
	Isoproc carb
	Isotetramethylbenzene
PP	Isoxathion
	Lead acetate
	Lead arsenates
	Lead arsenites
	Lead compounds, soluble, n.o.s.
	Lead cyanide
	Lead nitrate
	Lead perchlorate, solid or solution
	Lead tetraethyl
	Lead tetramethyl
PP	Lindane
	Linuron
	London Purple
	Magnesium arsenate
	Malathion
	Mancozeb (ISO)
	Maneb
	Maneb preparations <i>with not less than 60% maneb</i>
	Maneb preparation, stabilized against self-heating
	Maneb stabilized or Maneb preparations, stabilized <i>against self-heating</i>
	Manganese ethylene-1,2-bis dithiocarbamate
	Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating
	Mecarbam
	Mephosfolan
	Mercaptodimethur
PP	Mercuric acetate
PP	Mercuric ammonium chloride
PP	Mercuric arsenate
PP	Mercuric benzoate
PP	Mercuric bisulphate
PP	Mercuric bromide
PP	Mercuric chloride
PP	Mercuric cyanide
PP	Mercuric gluconate
PP	Mercuric iodide
PP	Mercuric nitrate
PP	Mercuric oleate
PP	Mercuric oxide
PP	Mercuric oxycyanide, desensitized

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
PP	Mercuric potassium cyanide	PP	Organotin compounds, solid, n.o.s.
PP	Mercuric Sulphate	PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23deg C</i>
PP	Mercuric thiocyanate	PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.
PP	Mercuriol	PP	Organotin pesticides, liquid, toxic, n.o.s.
PP	Mercurous acetate	PP	Organotin pesticides, solid, toxic, n.o.s.
PP	Mercurous bisulphate	PP	Orthoarsenic acid
PP	Mercurous bromide	PP	Osmium tetroxide
PP	Mercurous chloride		Oxamyl
PP	Mercurous nitrate		Oxydisulfoton
PP	Mercurous salicylate		Paraoxon
PP	Mercurous sulphate	PP	Parathion
PP	Mercury acetates	PP	Parathion-methyl
PP	Mercury ammonium chloride	PP	PCBs.
PP	Mercury based pesticide, liquid, flammable, toxic		Pentachloroethane
PP	Mercury based pesticides, liquid, toxic, flammable	PP	Pentachlorophenol
PP	Mercury based pesticides, liquid, toxic		Pentalin
PP	Mercury based pesticides, solid, toxic		n-Pentylbenzene
PP	Mercury benzoate		Perchloroethylene
PP	Mercury bichloride		Perchloromethylmercaptan
PP	Mercury bisulphates		Petrol, leaded
PP	Mercury bromides	PP	Phenarsazine chloride
PP	Mercury compounds, liquid, n.o.s.		d-Phenothrin
PP	Mercury compounds, solid, n.o.s.	PP	Phenthoate
PP	Mercury cyanide		1-Phenylbutane
PP	Mercury gluconate		2-Phenylbutane
PP	Mercury (I) (mercurous) compounds (pesticides)		Phenylcyclohexane
PP	Mercury (II) (mercuric) compounds (pesticides)	PP	Phenylmercuric acetate
	Mercury iodide	PP	Phenylmercuric compounds, n.o.s.
PP	Mercury nucleate	PP	Phenylmercuric hydroxide
PP	Mercury oleate	PP	Phenylmercuric nitrate
PP	Mercury oxide	PP	Phorate
PP	Mercury oxycyanide, desensitized	PP	Phosalone
PP	Mercury potassium cyanide		Phosmet
PP	Mercury potassium iodide	PP	Phosphamidon
PP	Mercury salicylate	PP	Phosphorus, white, molten
PP	Mercury sulfates	PP	Phosphorus, white <i>or yellow dry or under water or in</i> <i>solution</i>
PP	Mercury thiocyanate	PP	Phosphorus white, or yellow, molten
	Metam-sodium	PP	Phosphorus, yellow, molten
	Methamidophos		Pindone (and salts of)
	Methanethiol	PP	Pirimicarb
	Methidathion		Pirimiphos-ethyl
	Methomyl	PP	Polychlorinated biphenyls
	ortho-Methoxyaniline	PP	Polyhalogenated biphenyls, liquid <i>or Terphenyls liq-</i> <i>uid</i>
	Methyl bromide and ethylene dibromide mixtures, liq- <i>uid</i>	PP	Polyhalogenated biphenyls, solid <i>or Terphenyls,</i> <i>solid</i>
	Methyl mercaptan		Potassium cuprocyanide
	3-Methylacroleine, stabilized		Potassium cyanide, solid
	Methylchlorobenzenes		Potassium cyanide, solution
	Methylnitrophenols	PP	Potassium cyanocuprate (I)
	3-Methylpyradine	PP	Potassium cyanomercurate
	Methyltrithion	PP	Potassium mercuric iodide
	Methylvinylbenzenes, inhibited		Promecarb
PP	Mevinphos		Propachlor
	Mexacarbate		Propaphos
	Mirex		Propenal, inhibited
	Monocrotophos		Propoxur
	Motor fuel anti-knock mixtures		Prothoate
	Motor fuel anti-knock mixtures or compounds		Prussic acid, anhydrous, stabilized
	Nabam		Prussic acid, anhydrous, stabilized, absorbed in a <i>porous inert material</i>
	Naled	PP	Pyrazophos
PP	Nickel carbonyl		Quinalphos
PP	Nickel cyanide	PP	Quizalofop
PP	Nickel tetracarbonyl	PP	Quizalofop-p-ethyl
	3-Nitro-4-chlorobenzotrifluoride		Rotenone
	Nitrobenzene		Salithion
	Nitrobenzotrifluorides, liquid or solid	PP	Salafuofen
	Nonylphenol	PP	Silver arsenite
	<i>normal</i> -Octaldehyde		
	Oleylamine		
PP	Organotin compounds, liquid, n.o.s.		
PP	Organotin compounds (pesticides)		

§ 172.102

49 CFR Ch. I (10–1–14 Edition)

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.