

§ 172.1

- 172.548 DANGEROUS WHEN WET placard.
 172.550 OXIDIZER placard.
 172.552 ORGANIC PEROXIDE placard.
 172.553 [Reserved]
 172.554 POISON placard.
 172.555 POISON INHALATION HAZARD placard.
 172.556 RADIOACTIVE placard.
 172.558 CORROSIVE placard.
 172.560 CLASS 9 placard.

Subpart G—Emergency Response Information

- 172.600 Applicability and general requirements.
 172.602 Emergency response information.
 172.604 Emergency response telephone number.
 172.606 Carrier information contact.

Subpart H—Training

- 172.700 Purpose and scope.
 172.701 Federal-State relationship.
 172.702 Applicability and responsibility for training and testing.
 172.704 Training requirements.

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

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Subpart A—General**§ 172.1 Purpose and scope.**

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

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

§ 172.3 Applicability.

(a) This part applies to—

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

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

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

Subpart B—Table of Hazardous Materials and Special Provisions**§ 172.101 Purpose and use of hazardous materials table.**

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

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

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

(2) The letter “A” denotes a material that is subject to the requirements of this subchapter only when offered or

intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by an "A" may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

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

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

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

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

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

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters. Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the

IMDG Code. For example "aluminum" may be spelled "aluminium" and "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 terms in the sequence may be used as the proper shipping name, as appropriate.

(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*".

(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 not identified specifically by name, comprised of a hazardous material identified in the Table by technical name and non-hazardous material, shall 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 specified in paragraph (c)(10)(i) of this section is satisfied, then a proper shipping name shall be selected as pre-

scribed in paragraph (c)(12)(ii) of this section.

(iii) A mixture or solution not identified in the Table specifically by name, comprised of two or more hazardous materials in the same hazard class, shall 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(c) 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 shippers knowledge of the material;

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

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

(B) When the proper shipping description for a sample is assigned a “G” in Column (1) of the §172.101 Table, and the primary constituent(s) for which the tentative classification is based are

not known, the provisions requiring a technical name for the constituent(s) do not apply; and

(C) A sample must be transported in a combination packaging which 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 self-reactive, organic peroxide and explosive samples, see §§173.224(c)(3), 173.225(c)(2) and 173.56(d) of this subchapter, respectively.

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

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

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

association with the proper shipping name.

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

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

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

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

(15) Hydrates of inorganic substances may be identified using the proper shipping name for the equivalent anhydrous substance if the hydrate meets the same hazard class or division, subsidiary risk(s) and packing group, unless the hydrate is specifically identified in the Table.

(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 60.5 °C (141 °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 ad-

ressed by international transportation standards for emergency response information purposes, except for transportation between the United States and Canada.

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. Packing Groups I, II and III indicate the degree of danger presented by the material is either great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to read “III” on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to requirements of this subchapter.

(g) *Column 6: Labels.* Column 6 specifies codes which represent the hazard warning labels required for a package filled with a material conforming to the associated hazard class and proper shipping name, unless the package is otherwise excepted from labeling by a provision in subpart E of this part, or part 173 of this subchapter. The first code is indicative of the primary hazard of the material. Additional label codes are indicative of subsidiary hazards. Provisions in §172.402 may require that a label other than that specified in Column 6 be affixed to the package in addition to that specified in Column 6. No label is required for a material classed as a combustible liquid or for a Class 3 material that is reclassified as a combustible liquid. For “Empty” label

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

LABEL 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 |

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

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

(i) *Column 8: Packaging authorizations.* Columns 8A, 8B and 8C specify the applicable sections for exceptions, non-bulk packaging requirements and bulk packaging requirements, respectively, in part 173 of this subchapter. Columns 8A, 8B and 8C are completed in a manner which indicates that “§173.” precedes the designated numerical entry. For example, the entry “202” in Column 8B associated with the proper shipping name “Gasoline” indicates that for this material conformance to non-bulk packaging requirements prescribed in §173.202 of this subchapter is required. When packaging requirements are specified, they are in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable requirements in subparts A and B of part 173 of this subchapter.

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

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

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

(i) The column reference is §173.240 or §173.241, as appropriate.

(ii) For a solid material, the exception provided in Special provision B54 is applicable.

§ 172.101

(iii) For a Class 9 material which meets the definition of an elevated temperature material, the column reference is § 173.247.

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

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

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

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

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

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

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

(5) The total net quantity of hazardous material for an outer non-bulk packaging that contains more than one hazardous material may not exceed the

lowest permitted maximum net quantity per package as shown in Column 9A or 9B, as appropriate. If one material is a liquid and one is a solid, the maximum net quantity must be calculated in kilograms. See § 173.24a(c)(1)(iv).

(k) *Column 10: Vessel stowage requirements.* Column 10A [Vessel stowage] specifies the authorized stowage locations on board cargo and passenger vessels. Column 10B [Other provisions] specifies codes for stowage requirements for specific hazardous materials. 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 and 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 and on a passenger vessel.

(4) Stowage category “D” means the material must be stowed “on deck only” 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, but the material is prohibited on passenger vessels 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 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, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.

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

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

(9) Stowage category "04" means the material may be stowed "on deck" or "under deck" 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 or "under deck" on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(11) Stowage category "06" means the material may be stowed "on deck" in closed cargo transport units or "under deck" on a cargo vessel (up to 12 passengers) and "on deck" in closed cargo transport units or "under deck" in closed cargo transport units on a passenger vessel.

(12) Stowage category "07" means the material may be stowed "on deck" in closed cargo transport units or "under deck" on a cargo vessel (up to 12 passengers) and "on deck" only in closed cargo transport units on a passenger vessel.

(13) Stowage category "08" 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.

(14) Stowage category "09" means the material may be stowed "on deck only" in closed cargo transport units or "under deck" in closed cargo trans-

port units on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(15) Stowage category "10" means the material may be stowed "on deck" in closed cargo transport units or "under deck" in closed cargo transport units on a cargo vessel (up to 12 passengers) and "on deck" only in closed cargo transport units on a passenger vessel.

(16) Stowage category "11" means the material may be stowed "on deck" in closed cargo transport units or "under deck" in magazine stowage type "c" on a cargo vessel (up to 12 passengers) and "on deck" only in closed cargo transport units on a passenger vessel.

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

(18) Stowage category "13" means the material may be stowed "on deck" in closed cargo transport units or "under deck" in magazine stowage type "A" on a cargo vessel (up to 12 passengers) and "on deck" only in closed cargo transport units on a passenger vessel.

(19) Stowage category "14" 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.

(20) Stowage category "15" means the material may be stowed "on deck" in closed cargo transport units or "under 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.

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

(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

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|--|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Accellerene, see p-Nitrosodimethylaniline.</i> | | | | | | | | | | | | |
| | <i>Accumulators, electric, see Batteries, wet etc.</i> | | | | | | | | | | | | |
| | Acetal | 3 | UN1088 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | |
| | Acetaldehyde | 3 | UN1089 | I | 3 | A3, B16, T11, TP2, TP7 | None | 201 | 243 | Forbidden | 30 L | E | |
| A | Acetaldehyde ammonia | 9 | UN1841 | III | 9 | IB8, IP6 | 155 | 204 | 240 | 200 kg | 200 kg | A | 34 |
| | Acetaldehyde oxime | 3 | UN2332 | III | 3 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass. | 8 | UN2789 | II | 8, 3 | A3, A6, A7, A10, B2, IB2, T7, TP2 | 154 | 202 | 243 | 1 L | 30 L | A | |
| | Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass. | 8 | UN2790 | II | 8 | A3, A6, A7, A10, B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | |
| | Acetic acid solution, with more than 10 percent and less than 50 percent acid, by mass. | 8 | UN2790 | III | 8 | IB3, T4, TP1 | 154 | 203 | 242 | 5 L | 60 L | A | |
| | Acetic anhydride | 8 | UN1715 | II | 8, 3 | A3, A6, A7, A10, B2, IB2, T7, TP2 | 154 | 202 | 243 | 1 L | 30 L | A | 40 |
| | Acetone | 3 | UN1090 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| | Acetone cyanohydrin, stabilized | 6.1 | UN1541 | I | 6.1 | 2, A3, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 25, 40, 49 |
| | Acetone oils | 3 | UN1091 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | |
| | Acetonitrile | 3 | UN1648 | II | 3 | IB2, T7, TP2 | 150 | 202 | 242 | 5L | 60 L | B | 40 |
| | <i>Acetyl acetone peroxide with more than 9 percent by mass active oxygen.</i> | Forbidden | | | | | | | | | | | |
| | <i>Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution.</i> | Forbidden | | | | | | | | | | | |
| | Acetyl bromide | 8 | UN1716 | II | 8 | B2, IB2, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |

Research and Special Programs Admin., DOT

§ 172.101

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|---|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Acetyl chloride | 3 | UN1717 | II | 3, 8 | A3, A6, A7, IB1, N34, T8, TP2, TP12 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| | <i>Acetyl cyclohexanesulfonyl per-oxide, with more than 82 per-cent wetted with less than 12 percent water.</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Acetyl iodide | 8 | UN1898 | II | 8 | B2, IB2, T7, TP2, TP13 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| | Acetyl methyl carbinol | 3 | UN2621 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <i>Acetyl peroxide, solid, or with more than 25 percent in solu-tion.</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Acetylene, dissolved | 2.1 | UN1001 | | 2.1 | | None | 303 | None | Forbidden | 15 kg | D | 25, 40, 57 |
| | <i>Acetylene (liquefied)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Acetylene silver nitrate</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Acetylene tetrabromide, see Tetrabromoethane.</i> |  |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Acid butyl phosphate, see Butyl acid phosphate.</i> |  |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Acid, sludge, see Sludge acid ...</i> |  |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Acridine | 6.1 | UN2713 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Acrolein 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, B72, B77, T22, TP2, TP7, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| | Acrylamide | 6.1 | UN2074 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | 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 | Forbidden | 30 L | E | 40 |
| | <i>Actuating cartridge, explosive, see Cartridges, power device.</i> |  |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Adhesives, containing a flam-mable liquid.</i> | 3 | UN1133 | I | 3 | B42, T11, TP1, TP8, TP27 | 150 | 201 | 243 | 1 L | 30 L | B | ..... |
|  | ..... |  |  | II | 3 | B52, IB2, T4, TP1, TP8 | 150 | 173 | 242 | 5 L | 60 L | B | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|-------|--------|-------|------------|-------|-----------------------|-----------|-------|-------|-------|-----------|-------|-----------|-----------|-------|------------|
| ..... | ..... | ..... | III | 3 | ..... | B1, B52, IB3, T2, TP1 | 150 | ..... | 173 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |
| Adiponitrile | 6.1 | UN2205 | III | 6.1 | ..... | IB3, T3, TP1 | 153 | ..... | 203 | ..... | 241 | ..... | 60 L | 220 L | A | ..... |
| Aerosols, <i>corrosive, Packing Group II or III, (each not exceeding 1 L capacity).</i> | 2.2 | UN1950 | ..... | 2.2, 8 | ..... | A34 | 306 | ..... | None | ..... | None | ..... | 75 kg | 150 kg | A | 40, 48, 85 |
| Aerosols, <i>flammable, (each not exceeding 1 L capacity).</i> | 2.1 | UN1950 | ..... | 2.1 | ..... | N82 | 306 | ..... | None | ..... | None | ..... | 75 kg | 150 kg | A | 40, 48, 85 |
| Aerosols, <i>flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity).</i> | 2.1 | UN1950 | ..... | 2.1 | ..... | N82 | 306 | ..... | None | ..... | None | ..... | Forbidden | 150 kg | A | 40, 48, 85 |
| Aerosols, <i>non-flammable, (each not exceeding 1 L capacity).</i> | 2.2 | UN1950 | ..... | 2.2 | ..... |  | 306, 307. | ..... | None | ..... | None | ..... | 75 kg | 150 kg | A | 48, 85 |
| Aerosols, <i>poison, each not exceeding 1 L capacity.</i> | 2.2 | UN1950 | ..... | 2.2 | ..... |  | 306 | ..... | None | ..... | None | ..... | Forbidden | Forbidden | A | 40, 48, 85 |
| Air bag inflators, <i>compressed gas or Air bag modules, compressed gas or Seat-belt pretensioners, compressed gas.</i> | 2.2 | UN3353 | ..... | 2.2 | ..... | 133 | 166 | ..... | 166 | ..... | 166 | ..... | 75 kg | 150 kg | A | ..... |
| Air bag inflators, <i>pyrotechnic or Air bag modules, pyrotechnic or Seat-belt pretensioner, pyrotechnic.</i> | 1.4G | UN0503 | II | 1.4G | .. | | 166 | ..... | 166 | ..... | 166 | ..... | Forbidden | 75 kg | 02 | 24E |
| Air bag inflators, <i>pyrotechnic or Air bag modules, pyrotechnic or Seat-belt pretensioner, pyrotechnic.</i> | 9 | UN3268 | III | 9 | ..... |  | 166 | ..... | 166 | ..... | 166 | ..... | 25 kg | 100 kg | A | ..... |
| Air, compressed | 2.2 | UN1002 | ..... | 2.2 | ..... | 78 | 306 | ..... | 302 | ..... | 302 | ..... | 75 kg | 150 kg | A | ..... |
| Air, refrigerated liquid, <i>(cryogenic liquid).</i> | 2.2 | UN1003 | ..... | 2.2, | ..... | T75, TP5, TP22 | 320 | ..... | 316 | ..... | 318, 319. | ..... | Forbidden | 150 kg | D | 51 |
| Air, refrigerated liquid, <i>(cryogenic liquid) non-pressurized.</i> | 2.2 | UN1003 | ..... | 2.2, | ..... | T75, TP5, TP22 | 320 | ..... | 316 | ..... | 318, 319. | ..... | Forbidden | Forbidden | D | 51 |
| Aircraft engines <i>(including turbines), see Engines, internal combustion.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Aircraft evacuation slides, <i>see Life saving appliances etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Aircraft hydraulic power unit fuel tank <i>(containing a mixture of anhydrous hydrazine and monomethyl hydrazine) (M86 fuel).</i> | 3 | UN3165 | I | 3, 6.1, 8. | ..... |  | None | ..... | 172 | ..... | None | ..... | Forbidden | 42 L | E | ..... |
| Aircraft survival kits, <i>see Life saving appliances etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alcoholates solution, <i>n.o.s., in alcohol.</i> | 3 | UN3274 | II | 3, 8 | ..... | IB2 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 5 L | B | ..... |
| Alcoholic beverages | 3 | UN3065 | II | 3 | ..... | 24, B1, IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|--|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| G | Alcohols, n.o.s. | 3 | UN1987 | III | 3 | 24, B1, IB3, N11, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
|  | ..... |  |  | I | 3 | T11, TP1, TP8, TP27 | None | 201 | 243 | 1 L | 30 L | E | ..... |
|  | ..... |  |  | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| G | Alcohols, flammable, toxic, n.o.s. | 3 | UN1986 | III | 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
|  | ..... |  |  | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | E | 40 |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| G | Aldehydes, n.o.s. | 3 | UN1989 | III | 3, 6.1 | B1, IB3, T7, TP1, TP28 | None | 203 | 242 | 60 L | 220 L | A | ..... |
|  | ..... |  |  | I | 3 | T11, TP1, TP27 | None | 201 | 243 | 1 L | 30 L | E | ..... |
|  | ..... |  |  | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| G | Aldehydes, flammable, toxic, n.o.s.. | 3 | UN1988 | III | 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
|  | ..... |  |  | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | E | 40 |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| G | Aldol | 6.1 | UN2839 | III | 4.2, 8 | B1, IB3, T7, TP1, TP28 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Alkali metal alcoholates, self-heating, corrosive, n.o.s.. | 4.2 | UN3206 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 12 |
|  | ..... |  |  | II | 4.2, 8 | 64, IB5, IP2 | None | 212 | 242 | 15 kg | 50 kg | B | ..... |
| G | Alkali metal alloys, liquid, n.o.s. | 4.3 | UN1421 | III | 4.2, 8 | 64, IB8, IP3 | None | 213 | 242 | 25 kg | 100 kg | B | ..... |
|  | ..... |  |  | I | 4.3 | A2, A3, B48, N34 | None | 201 | 244 | Forbidden | 1 L | D | ..... |
| | Alkali metal amalgam, liquid | 4.3 | UN1389 | I | 4.3 | A2, A3, N34 | None | 201 | 244 | Forbidden | 1 L | D | 40 |
| G | Alkali metal amalgam, solid | 4.3 | UN1389 | I | 4.3 | IB4, IP1, N40 | None | 211 | 242 | Forbidden | 15 kg | D | ..... |
| | Alkali metal amides | 4.3 | UN1390 | II | 4.3 | A6, A7, A8, A19, A20, IB7, IP2 | 151 | 212 | 241 | 15 kg | 50 kg | E | 40 |
| | Alkali metal dispersions, or Alka-line earth metal dispersions. | 4.3 | UN1391 | I | 4.3 | A2, A3 | None | 201 | 244 | Forbidden | 1 L | D | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Allethrin, see</i> Pesticides, liquid, toxic, n.o.s. | | | | | | | | | | | | |
| | Allyl acetate | 3 | UN2333 | II | 3, 6.1 | IB2, T7, TP1, TP13 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | Allyl alcohol | 6.1 | UN1098 | I | 6.1, 3 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Allyl bromide | 3 | UN1099 | I | 3, 6.1 | T14, TP2, TP13 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| | Allyl chloride | 3 | UN1100 | I | 3, 6.1 | T14, TP2, TP13 | None | 201 | 243 | Forbidden | 30 L | E | 40 |
| | <i>Allyl chlorocarbonate, see</i> Allyl chloroformate. | | | | | | | | | | | | |
| | Allyl chloroformate | 6.1 | UN1722 | I | 6.1, 3, 8 | 2, A3, B9, B14, B32, B74, 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 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | Allyl formate | 3 | UN2336 | I | 3, 6.1 | T14, TP2, TP13 | None | 201 | 243 | Forbidden | 30 L | E | 40 |
| | Allyl glycidyl ether | 3 | UN2219 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | Allyl iodide | 3 | UN1723 | II | 3, 8 | A3, A6, IB1, N34, T7, TP2, TP13 | None | 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, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Allyltrichlorosilane, stabilized | 8 | UN1724 | II | 8, 3 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 243 | Forbidden | 30 L | C | 40 |
| | Aluminum alkyl halides | 4.2 | UN3052 | I | 4.2, 4.3 | B9, B11, T21, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | |
| | Aluminum alkyl hydrides | 4.2 | UN3076 | I | 4.2, 4.3 | B9, B11, T21, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | |
| | Aluminum alkyls | 4.2 | UN3051 | I | 4.2, 4.3 | B9, B11, T21, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|---|-----------|--------|-----|-----------|-----------------------------|------|------|-----|-----------|-----------|---|-------------|
| | Aluminum borohydride or Aluminum borohydride in devices. | 4.2 | UN2870 | I | 4.2, 4.3. | B11 | None | 181 | 244 | Forbidden | Forbidden | D | ..... |
| | Aluminum bromide, anhydrous .. | 8 | UN1725 | II | 8 | IB8, IP2, IP4 | 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 | 151 | 212 | 242 | 15 kg | 50 kg | A | ..... |
| | Aluminum chloride, anhydrous ... | 8 | UN1726 | II | 8 | IB8, IP2, IP4 | 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 | Forbidden | | | | | | | | | | | |
| | Aluminum ferrosilicon powder | 4.3 | UN1395 | II | 4.3, 6.1. | A19, IB5, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | A | 40, 85, 103 |
|  | ..... |  |  | III | 4.3, 6.1. | A19, A20, IB4 | 151 | 213 | 241 | 25 kg | 100 kg | A | 40, 85, 103 |
| | Aluminum hydride | 4.3 | UN2463 | I | 4.3 | A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | ..... |
| D | Aluminum, molten | 9 | NA9260 | III | 9 | IB3, T1, TP3 | None | None | 247 | Forbidden | Forbidden | D | ..... |
| | Aluminum nitrate | 5.1 | UN1438 | III | 5.1 | A1, A29, IB8, IP3 | 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 | Forbidden | 15 kg | E | 40, 85 |
| | Aluminum phosphide pesticides | 6.1 | UN3048 | I | 6.1 | A8, IB7, IP1 | None | 211 | 242 | Forbidden | 15 kg | E | 40, 85 |
| | Aluminum powder, coated | 4.1 | UN1309 | II | 4.1 | IB8, IP2, IP4 | 151 | 212 | 240 | 15 kg | 50 kg | A | 13, 39, 101 |
|  | ..... |  |  | III | 4.1 | IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | 13, 39, 101 |
| | Aluminum powder, uncoated | 4.3 | UN1396 | II | 4.3 | A19, A20, IB7, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | A | 39 |
|  | ..... |  |  | III | 4.3 | A19, A20, IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | A | 39 |
| | Aluminum resinate | 4.1 | UN2715 | III | 4.1 | IB6 | 151 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Aluminum silicon powder, uncoated. | 4.3 | UN1398 | III | 4.3 | A1, A19, IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | A | 40, 85, 103 |
| | Aluminum smelting by-products or Aluminum remelting by-products. | 4.3 | UN3170 | II | 4.3 | 128, B115, IB7, IP2 | None | 212 | 242 | 15 kg | 50 kg | B | 85, 103 |
|  | ..... |  |  | III | 4.3 | 128, B115, IB8, IP4 | None | 213 | 241 | 25 kg | 100 kg | B | 85, 103 |
| | Amatols, see Explosives, blasting, type B. | | | | | | | | | | | | |
| G | Amines, 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 |
|  | ..... |  |  | II | 3, 8 | IB2, T11, TP1, TP27 | None | 202 | 243 | 1 L | 5 L | B | 40 |
|  | ..... |  |  | III | 3, 8 | B1, IB3, T7, TP1, TP28 | 150 | 203 | 242 | 5 L | 60 L | A | 40 |
| G | Amines, liquid, corrosive, flammable, n.o.s. or Polyamines, liquid, corrosive, flammable, n.o.s.. | 8 | UN2734 | I | 8, 3 | A3, A6, N34, T14, TP2, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| G | Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corro- sive, n.o.s.. | 8 | UN2735 | II | 8, 3 | IB2, T11, TP2, TP27 | None | 202 | 243 | 1 L | 30 L | A | ..... |
| | | | | I | 8 | A3, A6, B10, N34, T14, TP2, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | A | ..... |
| | | | | II | 8 | B2, IB2, T11, TP1, TP27 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| G | Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.. | 8 | UN3259 | III | 8 | IB3, T7, TP1, TP28 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | | | | I | 8 | IB7, IP1 | None | 211 | 242 | 1 kg | 25 kg | A | ..... |
| | | | | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | | | | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | 2-Amino-4-chlorophenol | 6.1 | UN2673 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | 2-Amino-5-diethylaminopentane | 6.1 | UN2946 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | 2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass. | 4.1 | UN3317 | I | 4.1 | 23, A8, A19, A20, N41 | None | 211 | None | 1 kg | 15 kg | E | 28, 36 |
| | 2-(2-Aminoethoxy) ethanol | 8 | UN3055 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | N-Aminoethylpiperazine | 8 | UN2815 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | 12 |
| + | Aminophenols (o-; m-; p-) | 6.1 | UN2512 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | <i>Aminopropyl</i> diethanolamine, see Amines, etc. | | | | | | | | | | | | |
| | <i>n-Aminopropyl</i> morpholine, see Amines, etc. | | | | | | | | | | | | |
| | Aminopyridines (o-; m-; p-) | 6.1 | UN2671 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | B | 12, 40 |
| I | Ammonia, anhydrous | 2.3 | UN1005 | ..... | 2.3, 8 | 4, T50 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40, 57 |
| D | Ammonia, anhydrous | 2.2 | UN1005 | ..... | 2.2 | 13, T50 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40, 57 |
| D | Ammonia solution, relative density less than 0.880 at 15 de- grees C in water, with more than 50 percent ammonia. | 2.2 | UN3318 | ..... | 2.2 | 13, T50 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40, 57 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | |
|---|---|-----------|--------|-------|--------|-------------------------------|------|-----|-------|-----------|-----------|--------|---|-----------------|
| I | Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia. | 2.3 | UN3318 | ..... | 2.3, 8 | 4, T50 | None | 304 | ..... | 314, 315. | Forbidden | 25 kg | D | 40, 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 | IB3, T7, TP1 | 154 | 203 | ..... | 241 | 5 L | 60 L | A | 40, 85 |
| | Ammonia solutions, relative density less than 0.880 at 15 degrees C in water, with more than 35 percent but not more than 50 percent ammonia. | 2.2 | UN2073 | ..... | 2.2 | | 306 | 304 | ..... | 314, 315. | Forbidden | 150 kg | E | 40, 57 |
| | Ammonium arsenate | 6.1 | UN1546 | II | 6.1 | IB8, IP2, IP4 | None | 212 | ..... | 242 | 25 kg | 100 kg | A | ..... |
| | Ammonium azide | Forbidden | | | | | | | | | | | | |
| | Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid. | | | | | | | | | | | | | |
| | Ammonium bifluoride solution, see Ammonium hydrogen difluoride, solution. | | | | | | | | | | | | | |
| | Ammonium bromate | Forbidden | | | | | | | | | | | | |
| | Ammonium chlorate | Forbidden | | | | | | | | | | | | |
| | Ammonium dichromate | 5.1 | UN1439 | II | 5.1 | IB8, IP2, IP4 | 152 | 212 | ..... | 242 | 5 kg | 25 kg | A | ..... |
| | Ammonium dinitro-o-cresolate | 6.1 | UN1843 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | ..... | 242 | 25 kg | 100 kg | B | 36, 65, 66, 77 |
| | Ammonium fluoride | 6.1 | UN2505 | III | 6.1 | IB8, IP3 | 153 | 213 | ..... | 240 | 100 kg | 200 kg | A | 26 |
| | Ammonium fluorosilicate | 6.1 | UN2854 | III | 6.1 | IB8, IP3 | 153 | 213 | ..... | 240 | 100 kg | 200 kg | A | 26 |
| | Ammonium fulminate | Forbidden | | | | | | | | | | | | |
| | Ammonium hydrogen sulfate | 8 | UN2506 | II | 8 | IB8, IP2, IP4 | 154 | 212 | ..... | 240 | 15 kg | 50 kg | A | 40 |
| | Ammonium hydrogendifluoride, solid. | 8 | UN1727 | II | 8 | IB8, IP2, IP4, N34 | 154 | 212 | ..... | 240 | 15 kg | 50 kg | A | 25, 26, 40 |
| | Ammonium hydrogendifluoride, solution. | 8 | UN2817 | II | 8, 6.1 | IB2, N34, T8, TP2, TP12, TP13 | None | 202 | ..... | 243 | 1 L | 30 L | B | 40 |
| | | | | III | 8, 6.1 | IB3, T4, TP1, TP12, TP13 | 154 | 203 | ..... | 241 | 5 L | 60 L | B | 40, 95 |
| | Ammonium hydrosulfide, solution, see Ammonium sulfide solution. | | | | | | | | | | | | | |
| D | Ammonium hydroxide, see Ammonia solutions, etc. | | | | | | | | | | | | | |
| | Ammonium metavanadate | 6.1 | UN2859 | II | 6.1 | IB8, IP2, IP4 | None | 212 | ..... | 242 | 25 kg | 100 kg | A | ..... |
| D | Ammonium nitrate fertilizers | 5.1 | NA2072 | III | 5.1 | 7, IB8 | 152 | 213 | ..... | 240 | 25 kg | 100 kg | B | 48, 59, 60, 117 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Ammonium nitrate fertilizers; <i>uniform non-segregating mix- tures of ammonium nitrate with added matter which is in- organic and chemically inert towards ammonium nitrate, with not less than 90 percent ammonium nitrate and not more than 0.2 percent combus- tible material (including or- ganic material calculated as carbon), or with more than 70 percent but less than 90 per- cent ammonium nitrate and not more than 0.4 percent total combustible material.</i> | 5.1 | UN2067 | III | 5.1 | 52, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | B | 48, 59, 60, 117 |
| A W | Ammonium nitrate fertilizers; <i>uniform non-segregating mix- tures of nitrogen/phosphate or nitrogen/postash types or complete fertilizers of nitro- gen/phosphate/postash type, with not more than 70 percent ammonium nitrate and not more than 0.4 percent total added combustible material or with not more than 45 percent ammonium nitrate with unre- stricted combustible material.</i> | 9 | UN2071 | III | 9 | 132, IB8 | 155 | 213 | 240 | 200 kg | 200 kg | A | ..... |
| D | Ammonium nitrate-fuel oil mix- ture containing only prilled ammonium nitrate and fuel oil. | 1.5D | NA0331 | II | 1.5D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 19E |
| | Ammonium nitrate, liquid (<i>hot concentrated solution</i>). | 5.1 | UN2426 | ..... | 5.1 | B5, T7 | None | None | 243 | Forbidden | Forbidden | D | 59, 60 |
| D | Ammonium nitrate mixed fertilizers. | 5.1 | NA2069 | III | 5.1 | 10, IB8 | 152 | 213 | 240 | 25 kg | 100 kg | B | 48, 59, 60, 117 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-----|------------|--------------------|-----------|-----------|-----------|-----------|-----------|----|-----------------|
| Ammonium nitrate, with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance. | 1.1D | UN0222 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 19E |
| Ammonium nitrate, with not more than 0.2 percent of combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance. | 5.1 | UN1942 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 48, 59, 60, 116 |
| Ammonium nitrite | Forbidden | | | | | | | | | | | |
| Ammonium perchlorate | 1.1D | UN0402 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 19E |
| Ammonium perchlorate | 5.1 | UN1442 | II | 5.1 | 107, A9, IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | E | 58, 69, 106 |
| Ammonium permanganate | Forbidden | | | | | | | | | | | |
| Ammonium persulfate | 5.1 | UN1444 | III | 5.1 | A1, A29, IB8, IP3 | 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 | 10 | 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 | None | 202 | 243 | 1 L | 30 L | B | 12, 26, 40 |
| ..... |  |  | III | 8, 6.1 | IB3, T4, TP1, TP13 | 154 | 203 | 241 | 5 L | 60 L | B | 12, 26, 40 |
| Ammonium polyvanadate | 6.1 | UN2861 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| Ammonium silicofluoride, see Ammonium fluorosilicate. | | | | | | | | | | | | |
| Ammonium sulfide solution | 8 | UN2683 | II | 8, 6.1, 3. | IB1, T7, TP2, TP13 | None | 202 | 243 | 1 L | 30 L | B | 12, 22, 26, 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 | None | Forbidden | Forbidden | 03 | |
| Ammunition, illuminating with or without burster, expelling charge or propelling charge. | 1.3G | UN0254 | II | 1.3G .. |  | ..... | 62 | None | Forbidden | Forbidden | 03 | |
| Ammunition, illuminating with or without burster, expelling charge or propelling charge. | 1.4G | UN0297 | II | 1.4G .. |  | ..... | 62 | None | Forbidden | 75 kg | 02 | |
| Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge. | 1.3J | UN0247 | II | 1.3J ... |  | ..... | 62 | None | Forbidden | Forbidden | 04 | 23E |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|
| | | | | | | | Excep- tions | Non- bulk | Bulk | Passenger aircraft/rail | Cargo air- craft only | Loca- tion | Other |
| | | | | | | | (8A) | (8B) | (8C) | (9A) | (9B) | (10A) | (10B) |
| | <i>Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc..</i> | 1.2H | UN0243 | II | 1.2H .. | | 62 | None | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E | |
| | <i>Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge.</i> | 1.3H | UN0244 | II | 1.3H .. | | 62 | None | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E | |
| | <i>Ammunition, incendiary with or without burster, expelling charge, or propelling charge.</i> | 1.2G | UN0009 | II | 1.2G .. | | 62 | None | Forbidden | Forbidden | 03 | | |
| | <i>Ammunition, incendiary with or without burster, expelling charge, or propelling charge.</i> | 1.3G | UN0010 | II | 1.3G .. | | 62 | None | Forbidden | Forbidden | 03 | | |
| | <i>Ammunition, incendiary with or without burster, expelling charge or propelling charge.</i> | 1.4G | UN0300 | II | 1.4G .. | | 62 | None | Forbidden | 75 kg | 02 | | |
| | <i>Ammunition, practice</i> | 1.4G | UN0362 | II | 1.4G .. | | 62 | None | Forbidden | 75 kg | 02 | | |
| | <i>Ammunition, practice</i> | 1.3G | UN0488 | II | 1.3G .. | | 62 | None | Forbidden | Forbidden | 03 | | |
| | <i>Ammunition, proof</i> | 1.4G | UN0363 | II | 1.4G .. | | 62 | None | Forbidden | 75 kg | 02 | | |
| | <i>Ammunition, rocket, see Warheads, rocket etc.</i> | | | | | | | | | | | | |
| | <i>Ammunition, SA (small arms), see Cartridges for weapons, etc.</i> | | | | | | | | | | | | |
| | <i>Ammunition, smoke (water-activated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248).</i> | | | | | | | | | | | | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | |
|--|------|--------|----|---------------------|-------|------|-------|------|-------|-----------|-----------|-----------|--------------------------------|--------|
| <i>Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249).</i> | | | | | | | | | | | | | | |
| Ammunition smoke, white phosphorus with burster,expelling charge, or propelling charge. | 1.2H | UN0245 | II | 1.2H .. | ..... | 62 | ..... | None | .... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E | |
| Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge. | 1.3H | UN0246 | II | 1.3H .. | ..... | 62 | ..... | None | .... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E | |
| Ammunition, smoke with or without burster, expelling charge or propelling charge. | 1.2G | UN0015 | II | 1.2G, 8. | ..... | 62 | ..... | None | .... | Forbidden | Forbidden | | 8E, 17E, 20E | |
| Ammunition, smoke with or without burster, expelling charge or propelling charge. | 1.3G | UN0016 | II | 1.3G, 8. | ..... | 62 | ..... | None | .... | Forbidden | Forbidden | | 8E, 17E, 20E | |
| Ammunition, smoke with or without burster, expelling charge or propelling charge. | 1.4G | UN0303 | II | 1.4G, 8. | ..... | 62 | ..... | None | .... | Forbidden | 75 kg | | 7E, 8E, 14E, 15E, 17E | |
| <i>Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339).</i> | | | | | | | | | | | | | | |
| Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed. | 6.1 | UN2017 | II | 6.1, 8 | | None | | 212 | | None | | Forbidden | 50 kg E | 13, 40 |
| Ammunition, tear-producing with burster, expelling charge or propelling charge. | 1.2G | UN0018 | II | 1.2G, 8, 6.1. | ..... | 62 | ..... | None | .... | Forbidden | Forbidden | | 8E, 17E, 20E | |
| Ammunition, tear-producing with burster, expelling charge or propelling charge. | 1.3G | UN0019 | II | 1.3G, 8, 6.1. | ..... | 62 | ..... | None | .... | Forbidden | Forbidden | | 8E, 17E, 20E | |
| Ammunition, tear-producing with burster, expelling charge or propelling charge. | 1.4G | UN0301 | II | 1.4G, 8, 6.1. | ..... | 62 | ..... | None | .... | Forbidden | 75 kg | | 7E, 8E, 14E, 15E, 17E | |
| Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed. | 6.1 | UN2016 | II | 6.1 | | None | | 212 | | None | | Forbidden | 100 kg E | 13, 40 |
| <i>Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.</i> | | | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-------|-------------|-------------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------------------|
| | | | | | | | 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 | Ammunition, toxic with burster, expelling charge, or propelling charge. | 1.2K | UN0020 | II | 1.2K, 6.1. |  | ..... | 62 | None | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| G | Ammunition, toxic with burster, expelling charge, or propelling charge. | 1.3K | UN0021 | II | 1.3K, 6.1. |  | ..... | 62 | None | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| | Amyl acetates | 3 | UN1104 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Amyl acid phosphate | 8 | UN2819 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Amyl butyrates | 3 | UN2620 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Amyl chlorides | 3 | UN1107 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Amyl formates | 3 | UN1109 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Amyl mercaptans | 3 | UN1111 | II | 3 | A3, IB2, T4, TP1 | None | 202 | 242 | 5 L | 60 L | B | 95, 102 |
| | n-Amyl methyl ketone | 3 | UN1110 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Amyl nitrate | 3 | UN1112 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Amyl nitrites | 3 | UN1113 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | 40 |
| | Amylamines | 3 | UN1106 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | ..... |
|  | ..... | ..... | ..... | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | ..... |
| | Amyltrichlorosilane | 8 | UN1728 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | Anhydrous ammonia, see Am- monia, anhydrous. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| + | Aniline | 6.1 | UN1547 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| | Aniline hydrochloride | 6.1 | UN1548 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Aniline oil, see Aniline ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Anisidines | 6.1 | UN2431 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Anisole | 3 | UN2222 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Anisoyl chloride | 8 | UN1729 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| | Anti-freeze, liquid, see Flam- mable liquids, n.o.s.. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Antimonous chloride, see Anti- mony trichloride. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Antimony compounds, inorganic, liquid, n.o.s.. | 6.1 | UN3141 | III | 6.1 | 35, IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-------|--------|-----------------------------------|-------|-------|-----------|-----------|--------|-------|--------|
| Antimony compounds, inorganic, solid, n.o.s. | 6.1 | UN1549 | III | 6.1 | 35, IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Antimony lactate | 6.1 | UN1550 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Antimony pentachloride, liquid | 8 | UN1730 | II | 8 | B2, IB2, T7, TP2 | None | 202 | 242 | 1 L | 30 L | C | 40 |
| Antimony pentachloride, solutions. | 8 | UN1731 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| | | | | | | | | | | | | |
| Antimony pentafluoride | 8 | UN1732 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | C | 40 |
| ..... | ..... | ..... | II | 8, 6.1 | A3, A6, A7, A10, IB2, N3, T7, TP2 | None | 202 | 243 | Forbidden | 30 L | D | 40 |
| Antimony potassium tartrate | 6.1 | UN1551 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Antimony powder | 6.1 | UN2871 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Antimony sulfide and a chlorate, mixtures of. | Forbidden | | | | | | | | | | | |
| Antimony sulfide, solid, see Antimony compounds, inorganic, n.o.s.. | | | | | | | | | | | | |
| Antimony trichloride, liquid | 8 | UN1733 | II | 8 | B2, IB2 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| Antimony trichloride, solid | 8 | UN1733 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | 40 |
| Aqua ammonia, see Ammonia solution, etc. | | | | | | | | | | | | |
| Argon, compressed | 2.2 | UN1006 | ..... | 2.2 | | 306 | 302 | 314, 315. | 75 kg | 150 kg | A | ..... |
| Argon, refrigerated liquid (cryogenic liquid). | 2.2 | UN1951 | ..... | 2.2 | T75, TP5 | 320 | 316 | 318 | 50 kg | 500 kg | B | ..... |
| Arsenic | 6.1 | UN1558 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Arsenic acid, liquid | 6.1 | UN1553 | I | 6.1 | T20, TP2, TP7, TP13 | None | 201 | 243 | 1 L | 30 L | B | 46 |
| Arsenic acid, solid | 6.1 | UN1554 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Arsenic bromide | 6.1 | UN1555 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 12, 40 |
| Arsenic chloride, see Arsenic trichloride. | | | | | | | | | | | | |
| Arsenic compounds, liquid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.. | 6.1 | UN1556 | I | 6.1 | | None | 201 | 243 | 1 L | 30 L | B | 40 |
| ..... | ..... | ..... | II | 6.1 | IB2 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| ..... | ..... | ..... | III | 6.1 | IB3 | 153 | 203 | 241 | 60 L | 220 L | B | 40 |
| Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.. | 6.1 | UN1557 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | ..... |
| ..... | ..... | ..... | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| ..... | ..... | ..... | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Arsenic pentoxide | 6.1 | UN1559 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Arsenic sulfide and a chlorate, mixtures of. | Forbidden | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym- bols (1) | Hazardous materials descrip- tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | | |
|-------------------------|---|---|---|---------------|---------------------------|---|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|-------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) | |
| | | | | | | | | | | | | | | |
| | Arsenic trichloride | 6.1 | UN1560 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | B | 40 | |
| | Arsenic trioxide | 6.1 | UN1561 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |  |
| | <i>Arsenic, white, solid, see Ar- senic trioxide.</i> | | | | | | | | | | | | | |
| | Arsenical dust | 6.1 | UN1562 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |  |
| | Arsenical pesticides, liquid, flam- mable, 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 | |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 | |
| | Arsenical pesticides, liquid, toxic | 6.1 | UN2994 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 | |
|  | ..... |  |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 | |
|  | ..... |  |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 | |
| | Arsenical pesticides, liquid, toxic, flammable flash point not less than 23 degrees C. | 6.1 | UN2993 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 | |
|  | ..... |  |  | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 | |
|  | ..... |  |  | III | 6.1, 3 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 | |
| | Arsenical pesticides, solid, toxic | 6.1 | UN2759 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 | |
|  | ..... |  |  | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 | |
|  | ..... |  |  | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 | |
| | <i>Arsenious acid, solid, see Ar- senic trioxide.</i> | | | | | | | | | | | | | |
| | <i>Arsenious and mercuric iodide solution, see Arsenic com- pounds, liquid, n.o.s..</i> | | | | | | | | | | | | | |
| | Arsine | 2.3 | UN2188 | | 2.3, 2.1. | | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| | Articles, explosive, extremely in- sensitive or Articles, EEI. | 1.6N | UN0486 | II | 1.6N .. | | 101 | None | 62 | None | Forbidden | Forbidden | 07 | |
| G | Articles, explosive, n.o.s. | 1.4S | UN0349 | II | 1.4S ... | | 101 | None | 62 | None | 25 kg | 100 kg | 05 | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|---|-----------|--------|-------|-----------|---------------|-----------|--------------|-----------|-----------|-----------|----|----------------------------|
| G | Articles, explosive, n.o.s. | 1.4B | UN0350 | II | 1.4B ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 06 | ..... |
| G | Articles, explosive, n.o.s. | 1.4C | UN0351 | II | 1.4C .. | 101 | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| G | Articles, explosive, n.o.s. | 1.4D | UN0352 | II | 1.4D .. | 101 | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| G | Articles, explosive, n.o.s. | 1.4G | UN0353 | II | 1.4G .. | 101 | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| G | Articles, explosive, n.o.s. | 1.1L | UN0354 | II | 1.1L ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| G | Articles, explosive, n.o.s. | 1.2L | UN0355 | II | 1.2L ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| G | Articles, explosive, n.o.s. | 1.3L | UN0356 | II | 1.3L ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| G | Articles, explosive, n.o.s. | 1.1C | UN0462 | II | 1.1C .. | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.1D | UN0463 | II | 1.1D .. | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.1E | UN0464 | II | 1.1E ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.1F | UN0465 | II | 1.1F ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 08 | ..... |
| G | Articles, explosive, n.o.s. | 1.2C | UN0466 | II | 1.2C .. | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.2D | UN0467 | II | 1.2D .. | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.2E | UN0468 | II | 1.2E ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.2F | UN0469 | II | 1.2F ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 08 | ..... |
| G | Articles, explosive, n.o.s. | 1.3C | UN0470 | II | 1.3C ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| G | Articles, explosive, n.o.s. | 1.4E | UN0471 | II | 1.4E ... | 101 | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| G | Articles, explosive, n.o.s. | 1.4F | UN0472 | II | 1.4F ... | 101 | None ... | 62 | None ... | Forbidden | Forbidden | 08 | ..... |
| | Articles, pressurized pneumatic or hydraulic containing non- flammable gas. | 2.2 | UN3164 | ..... | 2.2 | 306 | ..... | 302, 304. | None ... | No limit | No limit | A | ..... |
| | Articles, pyrophoric | 1.2L | UN0380 | II | 1.2L ... | | None ... | 62 | None ... | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| | Articles, pyrotechnic for tech- nical purposes. | 1.1G | UN0428 | II | 1.1G .. | | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| | Articles, pyrotechnic for tech- nical purposes. | 1.2G | UN0429 | II | 1.2G .. | | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| | Articles, pyrotechnic for tech- nical purposes. | 1.3G | UN0430 | II | 1.3G .. | | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| | Articles, pyrotechnic for tech- nical purposes. | 1.4G | UN0431 | II | 1.4G .. | | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| | Articles, pyrotechnic for tech- nical purposes. | 1.4S | UN0432 | II | 1.4S ... | | None ... | 62 | None ... | 25 kg | 100 kg | 05 | ..... |
| D | Asbestos | 9 | NA2212 | III | 9 | IB8, IP2, IP4 | 155 | 216 | 240 | 200 kg | 200 kg | A | 34, 40 |
| D | Ascaridole (organic peroxide) | Forbidden | | | | | | | | | | | |
| D | Asphalt, at or above its flash point. | 3 | NA1999 | III | 3 | IB3, T1, TP3 | 150 | 203 | 247 | Forbidden | Forbidden | D | ..... |
| D | Asphalt, cut back, see Tars, liq- uid, etc. |  |  |  |  |  |  |  |  |  |  |  | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym- bols | Hazardous materials descrip- tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|--------------|---|----------------------------------|----------------------------------|-----|----------------|-------------------------------------|-----------------------------|--------------|------|-----------------------------|--------------------------|-----------------------------|-------------|
| | | | | | | | 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>Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc.</i> | | | | | | | | | | | | |
| A G | Aviation regulated liquid, n.o.s. ... | 9 | UN3334 | | 9 | A35 | 155 | 204 | | No limit | No limit | A | |
| A G | Aviation regulated solid, n.o.s. ... | 9 | UN3335 | | 9 | A35 | 155 | 204 | | No limit | No limit | A | |
| | <i>Azauric acid (salt of) (dry)</i> | Forbidden | | | | | | | | | | | |
| | <i>Azido guanidine picrate (dry)</i> | Forbidden | | | | | | | | | | | |
| | <i>5-Azido-1-hydroxy tetrazole</i> | Forbidden | | | | | | | | | | | |
| | <i>Azido hydroxy tetrazole (mercury and silver salts).</i> | Forbidden | | | | | | | | | | | |
| | <i>3-Azido-1,2-Propylene glycol dinitrate.</i> | Forbidden | | | | | | | | | | | |
| | <i>Azidodithiocarbonic acid</i> | Forbidden | | | | | | | | | | | |
| | <i>Azidoethyl nitrate</i> | Forbidden | | | | | | | | | | | |
| | <i>1-Aziridylphosphine oxide (tris), see Tris-(1-aziridyl) phosphine oxide, solution.</i> | | | | | | | | | | | | |
| | <i>Azodicarbonamide</i> | 4.1 | UN3242 | II | 4.1 | 38, IB8 | 151 | 212 | 240 | Forbidden | Forbidden | D | 12, 61, 74 |
| | <i>Azotetrazole (dry)</i> | Forbidden | | | | | | | | | | | |
| | <i>Barium</i> | 4.3 | UN1400 | II | 4.3 | A19, IB7, IP2 | 151 | 212 | 241 | 15 kg | 50 kg | E | |
| | <i>Barium alloys, pyrophoric</i> | 4.2 | UN1854 | I | 4.2 | | None | 181 | None | Forbidden | Forbidden | D | |
| | <i>Barium azide, dry or wetted with less than 50 percent water, by mass.</i> | 1.1A | UN0224 | II | 1.1A, 6.1. | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | |
| | <i>Barium azide, wetted with not less than 50 percent water, by mass.</i> | 4.1 | UN1571 | I | 4.1, 6.1. | A2 | None | 182 | None | Forbidden | 0.5 kg | D | 28 |
| | <i>Barium bromate</i> | 5.1 | UN2719 | II | 5.1, 6.1. | IB8, IP2, IP4 | None | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | <i>Barium chlorate</i> | 5.1 | UN1445 | II | 5.1, 6.1. | A9, IB6, IP2, N34, T4, TP1 | None | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | <i>Barium compounds, n.o.s.</i> | 6.1 | UN1564 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | |
| | <i>Barium cyanide</i> | 6.1 | UN1565 | I | 6.1 | IB7, IP1, N74, N75 | None | 211 | 242 | 5 kg | 50 kg | A | 26, 40 |

| | | | | | | | | | | | | |
|--|-----------|--------|-------|-----------|--|------|-----|------|-------------|--------------|---|----------------------|
| Barium hypochlorite <i>with more than 22 percent available chlorine.</i> | 5.1 | UN2741 | II | 5.1, 6.1. | A7, A9, IB8, IP2, IP4, N34 | 152 | 212 | None | 5 kg | 25 kg | B | 56, 58, 106 |
| Barium nitrate | 5.1 | UN1446 | II | 5.1, 6.1. | IB8, IP2, IP4 | None | 212 | 242 | 5 kg | 25 kg | A | ..... |
| Barium oxide | 6.1 | UN1884 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Barium perchlorate | 5.1 | UN1447 | II | 5.1, 6.1. | IB6, IP2, T4, TP1 | None | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| Barium permanganate | 5.1 | UN1448 | II | 5.1, 6.1. | IB6, IP2 | None | 212 | 242 | 5 kg | 25 kg | D | 56, 58, 69, 106, 107 |
| Barium peroxide | 5.1 | UN1449 | II | 5.1, 6.1. | IB6, IP2 | None | 212 | 242 | 5 kg | 25 kg | A | 13, 75, 106 |
| <i>Barium selenate, see Selenates or Selenites.</i> | | | | | | | | | | | | |
| <i>Barium selenite, see Selenates or Selenites.</i> | | | | | | | | | | | | |
| Batteries, containing sodium | 4.3 | UN3292 | II | 4.3 | | 189 | 189 | 189 | Forbidden | No limit | A | ..... |
| Batteries, dry, containing potassium hydroxide solid, <i>electric storage.</i> | 8 | UN3028 | III | 8 | | None | 213 | None | 25 kg gross | 230 kg gross | A | ..... |
| Batteries, wet, filled with acid, <i>electric storage.</i> | 8 | UN2794 | III | 8 | | 159 | 159 | 159 | 30 kg gross | No limit | A | ..... |
| Batteries, wet, non-spillable, <i>electric storage.</i> | 8 | UN2800 | III | 8 | | 159 | 159 | 159 | No Limit | No Limit | A | ..... |
| Batteries, dry, <i>not subject to the requirements of this subchapter.</i> | | | | | | 130 |  |  |  |  |  | ..... |
| Batteries, wet, filled with alkali, <i>electric storage.</i> | 8 | UN2795 | III | 8 | | 159 | 159 | 159 | 30 kg gross | No limit | A | ..... |
| Battery fluid, acid | 8 | UN2796 | II | 8 | A3, A7, B2, B15, IB2, N6, N34, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | B | ..... |
| Battery fluid, alkali | 8 | UN2797 | II | 8 | B2, IB2, N6, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| <i>Battery lithium type, see Lithium batteries etc.</i> |  |  |  |  |  |  |  |  |  |  |  | ..... |
| Battery-powered vehicle or Battery-powered equipment. | 9 | UN3171 | ..... | 9 | | 134 | 220 | 220 | None | No limit |  | ..... |
| <i>Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc. or Engines, internal combustion, etc.</i> |  |  |  |  |  |  |  |  |  |  |  | ..... |
| + Benzaldehyde | 9 | UN1990 | III | 9 | IB3, T2, TP1 | 155 | 203 | 241 | 100 L | 220 L | A | ..... |
| Benzene | 3 | UN1114 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| Benzene diazonium chloride (dry). | Forbidden |  |  |  |  |  |  |  |  |  |  | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Benzene diazonium nitrate (dry)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | <i>Benzene phosphorus dichloride, see Phenyl phosphorus di- chloride.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | <i>Benzene phosphorus thiodichloride, see Phenyl phosphorus thiodichloride.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | Benzene sulfonyl chloride | 8 | UN2225 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | 40 |
| | <i>Benzene triozonide</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | <i>Benzenethiol, see Phenyl mercaptan.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | Benzidine | 6.1 | UN1885 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | <i>Benzol, see Benzene</i> ..... | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | Benzonitrile | 6.1 | UN2224 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 26, 40 |
| | Benzoquinone | 6.1 | UN2587 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Benzotrifluoride | 8 | UN2226 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | 40 |
| | Benzotrifluoride | 3 | UN2338 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | <i>Benzoxidiazoles (dry)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | <i>Benzoyl azide</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... |  | ..... |  |
| | Benzoyl chloride | 8 | UN1736 | II | 8 | B2, IB2, T8, TP2, TP12, 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, TP12, 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, TP12, 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, TP12, TP13 | None | 202 | 243 | 1 L | 30 L | D | 13, 40 |
| | Benzyl chloroformate | 8 | UN1739 | I | 8 | A3, A6, B4, N41, T10, TP2, TP12, TP13 | None | 201 | 243 | Forbidden | 2.5 L | D | 40 |
| | Benzyl iodide | 6.1 | UN2653 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | B | 12, 40 |
| | Benzylidimethylamine | 8 | UN2619 | II | 8, 3 | B2, IB2, T7, TP2 | 154 | 202 | 243 | 1 L | 30 L | A | 40, 48 |
| | Benzylidene chloride | 6.1 | UN1886 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | D | 40 |
| | Beryllium compounds, n.o.s. | 6.1 | UN1566 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
|  | ..... | ..... | ..... | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-----|--------------|------------------------------|-----------|-----------|-----------|-----------|-----------|----|--------|
| Beryllium nitrate | 5.1 | UN2464 | II | 5.1, 6.1. | IB8, IP2, IP4 | None | 212 | 242 | 5 kg | 25 kg | A | ..... |
| Beryllium, powder | 6.1 | UN1567 | II | 6.1, 4.1. | IB8, IP2, IP4 | None | 212 | 242 | 15 kg | 50 kg | A | ..... |
| Bicyclo [2,2,1] hepta-2,5-diene, stabilized or 2,5- Norbornadiene, stabilized. | 3 | UN2251 | II | 3 | IB2, T7, TP2 | 150 | 202 | 242 | 5 L | 60 L | D | ..... |
| <i>Biphenyl triozonide</i> | Forbidden | | | | | | | | | | | |
| Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2782 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | E | ..... |
| ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| Bipyridilium pesticides, liquid, toxic. | 6.1 | UN3016 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| ..... |  |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| ..... |  |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN3015 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 21, 40 |
| ..... |  |  | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 21, 40 |
| ..... |  |  | III | 6.1, 3 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 21, 40 |
| Bipyridilium pesticides, solid, toxic. | 6.1 | UN2781 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| ..... |  |  | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| <i>Bis (Aminopropyl) piperazine,</i> see Corrosive liquid, n.o.s.. | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| Bisulfate, aqueous solution | 8 | UN2837 | II | 8 | A7, B2, IB2, N34, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| ..... |  |  | III | 8 | A7, IB3, N34, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| Bisulfites, aqueous solutions, n.o.s.. | 8 | UN2693 | III | 8 | IB3, T7, TP1, TP28 | 154 | 203 | 241 | 5 L | 60 L | A | 26, 40 |
| Black powder, compressed or Gunpowder, compressed or Black powder, in pellets or Gunpowder, in pellets. | 1.1D | UN0028 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| Black powder or Gunpowder, granular or as a meal. | 1.1D | UN0027 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| Black powder for small arms | 4.1 | NA0027 | I | 4.1 | 70 | None | 170 | None | Forbidden | Forbidden | E | ..... |
| <i>Blasting agent, n.o.s., see Ex-</i> <i>plosives, blasting etc.</i> | | | | | | | | | | | | |
| <i>Blasting cap assemblies, see</i> <i>Detonator assemblies, non-</i> <i>electric, for blasting.</i> | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|--|----------------------------|----------------------------|-------|-------------|---|--------------------------|-----------|-------|--------------------------|-----------------------|-----------------------|--------|
| | | | | | | | 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>Blasting caps, electric, see Detonators, electric for blasting.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Blasting caps, non-electric, see Detonators, non-electric, for blasting.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Bleaching powder, see Calcium hypochlorite mixtures, etc.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| I | Blue asbestos (<i>Crocidolite</i>) or Brown asbestos (<i>amosite, mysorite</i>). | 9 | UN2212 | II | 9 | IB8, IP2, IP4 | 155 | 216 | 240 | Forbidden | Forbidden | A | 34, 40 |
| | Bombs, photo-flash | 1.1F | UN0037 | II | 1.1F |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Bombs, photo-flash | 1.1D | UN0038 | II | 1.1D |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Bombs, photo-flash | 1.2G | UN0039 | II | 1.2G |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Bombs, photo-flash | 1.3G | UN0299 | II | 1.3G |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | 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 |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Bombs, with bursting charge | 1.1D | UN0034 | II | 1.1D |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Bombs, with bursting charge | 1.2D | UN0035 | II | 1.2D |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Bombs, with bursting charge | 1.2F | UN0291 | II | 1.2F |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Bombs with flammable liquid, with bursting charge. | 1.1J | UN0399 | II | 1.1J |  | ..... | 62 | None | Forbidden | Forbidden | 04 | 23E |
| | Bombs with flammable liquid, with bursting charge. | 1.2J | UN0400 | II | 1.2J |  | ..... | 62 | None | Forbidden | Forbidden | 04 | 23E |
| | Boosters with detonator | 1.1B | UN0225 | II | 1.1B | | None | 62 | None | Forbidden | Forbidden | 11 | ..... |
| | Boosters with detonator | 1.2B | UN0268 | II | 1.2B | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Boosters, without detonator | 1.1D | UN0042 | II | 1.1D | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Boosters, without detonator | 1.2D | UN0283 | II | 1.2D | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | <i>Borate and chlorate mixtures, see Chlorate and borate mixtures.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Borneol | 4.1 | UN1312 | III | 4.1 | A1, IB8, IP3 | None | 213 | 240 | 25 kg | 100 kg | A | ..... |
| + | Boron tribromide | 8 | UN2692 | I | 8, 6.1 | 2, A3, A7, B9, B14, B32, B74, N34, T20, TP2, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | C | 12 |
| | Boron trichloride | 2.3 | UN1741 | ..... | 2.3, 8 | 3, B9, B14 | None | 304 | 314 | Forbidden | Forbidden | D | 25, 40 |

136

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | |
|---|-----------|--------|-------|-------|--------------|---|-------|-------|-------|-------|-----------|-----------|-----------|-------|------------------------|
| Boron trifluoride, compressed | 2.3 | UN1008 | ..... | 2.3 | ..... | 2, B9, B14 | None | ..... | 302 | ..... | 314, 315. | Forbidden | Forbidden | D | 40 |
| Boron trifluoride acetic acid complex. | 8 | UN1742 | ..... | II | 8 | B2, B6, IB2, T8, TP2, TP12 | 154 | ..... | 202 | ..... | 242 | 1 L | 30 L | A | ..... |
| Boron trifluoride diethyl etherate | 8 | UN2604 | ..... | I | 8, 3 | A19, T10, TP2 | None | ..... | 201 | ..... | 243 | 0.5 L | 2.5 L | D | 40 |
| Boron trifluoride dihydrate | 8 | UN2851 | ..... | II | 8 | IB8, IP2, IP4, T7, TP2 | 154 | ..... | 212 | ..... | 240 | 15 kg | 50 kg | B | 12, 40, |
| Boron trifluoride dimethyl etherate. | 4.3 | UN2965 | ..... | I | 4.3, 8, 3. | A19, T10, TP2, TP7 | None | ..... | 201 | ..... | 243 | Forbidden | 1 L | D | 21, 28, 40, 49, 100 |
| Boron trifluoride propionic acid complex. | 8 | UN1743 | ..... | II | 8 | B2, IB2, T8, TP2, TP12 | 154 | ..... | 202 | ..... | 242 | 1 L | 30 L | A | ..... |
| <i>Box toe gum, see Nitrocellulose etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Bromates, inorganic, aqueous solution, n.o.s.. | 5.1 | UN3213 | ..... | II | 5.1 | IB2, T4, TP1 | 152 | ..... | 202 | ..... | 242 | 1 L | 5 L | B | 56, 58, 106 |
| Bromates, inorganic, n.o.s. | 5.1 | UN1450 | ..... | II | 5.1 | IB8, IP2, IP4 | 152 | ..... | 212 | ..... | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| <i>Bromine azide</i> | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| + Bromine or Bromine solutions | 8 | UN1744 | ..... | I | 8, 6.1 | 1, A3, A6, B9, B64, B85, N34, N43, T22, TP2, TP10, TP12, TP13 | None | ..... | 226 | ..... | 249 | Forbidden | Forbidden | D | 12, 40, 66, 74, 89, 90 |
| Bromine chloride | 2.3 | UN2901 | ..... | ..... | 2.3, 8, 5.1. | 2, B9, B14 | None | ..... | 304 | ..... | 314, 315. | Forbidden | Forbidden | D | 40, 89, 90 |
| + Bromine pentafluoride | 5.1 | UN1745 | ..... | I | 5.1, 6.1, 8. | 1, B9, B14, B30, B72, T22, TP2, TP12, TP13, TP38, TP44 | None | ..... | 228 | ..... | 244 | Forbidden | Forbidden | D | 25, 40, 66, 90 |
| + Bromine trifluoride | 5.1 | UN1746 | ..... | I | 5.1, 6.1, 8. | 2, B9, B14, B32, B74, T22, TP2, TP12, TP13, TP38, TP45 | None | ..... | 228 | ..... | 244 | Forbidden | Forbidden | D | 25, 40, 66, 90 |
| <i>4-Bromo-1,2-dinitrobenzene</i> | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C.)</i> | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1-Bromo-3-chloropropane | 6.1 | UN2688 | ..... | III | 6.1 | IB3, T4, TP1 | 153 | ..... | 203 | ..... | 241 | 60 L | 220 L | A | ..... |
| 1-Bromo-3-methylbutane | 3 | UN2341 | ..... | III | 3 | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | 60 L | 220 L | A | ..... |
| <i>1-Bromo-3-nitrobenzene (unstable at 56 degrees C.)</i> | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2-Bromo-2-nitropropane-1,3-diol | 4.1 | UN3241 | ..... | III | 4.1 | 46, IB8, IP3 | 151 | ..... | 213 | ..... | None | 25 kg | 50 kg | C | 12, 25, 40 |
| Bromoacetic acid, <i>solid</i> | 8 | UN1938 | ..... | II | 8 | A7, IB8, IP2, IP4, N34, T7 | 154 | ..... | 212 | ..... | 240 | 15 kg | 50 kg | A | ..... |
| Bromoacetic acid, <i>solution</i> | 8 | UN1938 | ..... | II | 8 | B2, IB2, T7, TP2 | 154 | ..... | 202 | ..... | 242 | 1 L | 30 L | A | 40 |
| + Bromoacetone | 6.1 | UN1569 | ..... | II | 6.1, 3 | 2, T20, TP2, TP13 | None | ..... | 193 | ..... | 245 | Forbidden | Forbidden | D | 40 |
| Bromoacetyl bromide | 8 | UN2513 | ..... | II | 8 | B2, IB2, T8, TP2, TP12 | 154 | ..... | 202 | ..... | 242 | 1 L | 30 L | C | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Bromobenzene | 3 | UN2514 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Bromobenzyl cyanides, <i>liquid</i> | 6.1 | UN1694 | I | 6.1 | T14, TP2, TP13 | None | 201 | 243 | Forbidden | 30 L | D | 12, 40 |
| | Bromobenzyl cyanides, <i>solid</i> | 6.1 | UN1694 | I | 6.1 | T14, TP2, TP13 | None | 211 | 242 | Forbidden | 50 kg | D | 12, 40 |
| | 1-Bromobutane | 3 | UN1126 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5L | 60 L | B | 40 |
| | 2-Bromobutane | 3 | UN2339 | II | 3 | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | Bromochloromethane | 6.1 | UN1887 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | 2-Bromoethyl ethyl ether | 3 | UN2340 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | Bromoform | 6.1 | UN2515 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 12, 40 |
| | Bromomethylpropanes | 3 | UN2342 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | 2-Bromopentane | 3 | UN2343 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Bromopropanes | 3 | UN2344 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | 3-Bromopropyne | 3 | UN2345 | III | 3 | IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <i>Bromosilane</i> | Forbidden | | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | D | 40 |
| | <i>Bromotoluene-alpha</i> , see Benzyl bromide. | | | | | | | | | | | | |
| | Bromotrifluoroethylene | 2.1 | UN2419 | | 2.1 | | None | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Bromotrifluoromethane or Refrig- erant gas, R 13B1.. | 2.2 | UN1009 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| | Brucine | 6.1 | UN1570 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | ..... |
| | Bursters, <i>explosive</i> | 1.1D | UN0043 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Butadienes, stabilized | 2.1 | UN1010 | | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Butane <i>see also</i> Petroleum gases, liquefied. | 2.1 | UN1011 | | 2.1 | 19, T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| | <i>Butane, butane mixtures and mixtures having similar prop- erties in cartridges each not exceeding 500 grams, see</i> Receptacles, etc. | | | | | | | | | | | | |
| | Butanedione | 3 | UN2346 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | 1,2,4-Butanetriol trinitrate | Forbidden | | | | | | | | | | | |
| | Butanols | 3 | UN1120 | II | 3 | IB2, T4, TP1, TP29 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | <i>tert</i> -Butoxycarbonyl azide | Forbidden | | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Butyl acetates | 3 | UN1123 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|-----------|--------|-----|------------|---|------|-----|-----|-----------|-----------|---|-----------------------------|
| 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 | |
| <i>Butyl alcohols, see</i> Butanols | | | | | | | | | | | | |
| Butyl benzenes | 3 | UN2709 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| <i>n-Butyl bromide, see</i> 1-Bromobutane. | | | | | | | | | | | | |
| <i>n-Butyl chloride, see</i> Chlorobutanes. | | | | | | | | | | | | |
| D sec-Butyl chloroformate | 6.1 | NA2742 | I | 6.1, 3, 8. | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | 1 L | 30 L | A | 12, 13, 22, 25, 40, 48, 100 |
| n-Butyl chloroformate | 6.1 | UN2743 | I | 6.1, 8, 3. | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | A | 12, 13, 21, 25, 40, 100 |
| <i>Butyl ethers, see</i> Dibutyl ethers | | | | | | | | | | | | |
| <i>Butyl ethyl ether, see</i> Ethyl butyl ether. | | | | | | | | | | | | |
| n-Butyl formate | 3 | UN1128 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| <i>tert-Butyl hydroperoxide, with more than 90 percent with water.</i> | Forbidden | | | | | | | | | | | |
| <i>tert-Butyl hypochlorite</i> | 4.2 | UN3255 | I | 4.2, 8 | | None | 211 | 243 | Forbidden | Forbidden | D | |
| N-n-Butyl imidazole | 6.1 | UN2690 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | |
| <i>tert-Butyl isocyanate</i> | 6.1 | UN2484 | I | 6.1, 3 | 1, A7, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| n-Butyl isocyanate | 6.1 | UN2485 | I | 6.1, 3 | 2, A7, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| Butyl mercaptans | 3 | UN2347 | II | 3 | A3, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | D | 26, 95 |
| n-Butyl methacrylate, stabilized | 3 | UN2227 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| Butyl methyl ether | 3 | UN2350 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| Butyl nitrites | 3 | UN2351 | I | 3 | T11, TP1, TP8, TP27 | 150 | 201 | 243 | 1 L | 30 L | E | 40 |
| | | | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | | | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | 40 |
| <i>tert-Butyl peroxyacetate, with more than 76 percent in solution.</i> | Forbidden | | | | | | | | | | | |
| <i>n-Butyl peroxydicarbonate, with more than 52 percent in solution.</i> | Forbidden | | | | | | | | | | | |
| <i>tert-Butyl peroxyisobutyrate, with more than 77 percent in solution.</i> | Forbidden | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Butyl phosphoric acid, see Butyl acid phosphate.</i> | | | | | | | | | | | | |
| | Butyl propionates | 3 | UN1914 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | 5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene. | 4.1 | UN2956 | III | 4.1 | | None | 214 | None | Forbidden | Forbidden | D | 12 |
| | Butyl vinyl ether, stabilized | 3 | UN2352 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | n-Butylamine | 3 | UN1125 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 242 | 1 L | 5 L | B | 40 |
| | N-Butylaniline | 6.1 | UN2738 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | tert-Butylcyclohexylchloroformate | 6.1 | UN2747 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 12, 13, 25 |
| | Butylene see also Petroleum gases, liquefied. | 2.1 | UN1012 | | 2.1 | 19, T50 | None | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| | 1,2-Butylene oxide, stabilized | 3 | UN3022 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 49 |
| | Butyltoluenes | 6.1 | UN2667 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Butyltrichlorosilane | 8 | UN1747 | II | 8, 3 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 243 | Forbidden | 30 L | C | 40 |
| | 1,4-Butynediol | 6.1 | UN2716 | III | 6.1 | A1, IB8, IP3 | None | 213 | 240 | 100 kg | 200 kg | A | 61, 70 |
| | Butyraldehyde | 3 | UN1129 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Butyraldoxime | 3 | UN2840 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Butyric acid | 8 | UN2820 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | 12 |
| | Butyric anhydride | 8 | UN2739 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Butyronitrile | 3 | UN2411 | II | 3, 6.1 | IB2, T7, TP1, TP13 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | Butyryl chloride | 3 | UN2353 | II | 3, 8 | IB2, T8, TP2, TP12, TP13 | None | 202 | 243 | 1 L | 5 L | C | 40 |
| | Cacodylic acid | 6.1 | UN1572 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | E | 26 |
| | Cadmium compounds | 6.1 | UN2570 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | ..... |
|  | ..... |  |  | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
|  | ..... |  |  | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Caesium hydroxide | 8 | UN2682 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Caesium hydroxide solution | 8 | UN2681 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
|  | ..... |  |  | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Calcium | 4.3 | UN1401 | II | 4.3 | IB7, IP2 | 151 | 212 | 241 | 15 kg | 50 kg | E | ..... |
| | Calcium arsenate | 6.1 | UN1573 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Calcium arsenate and calcium arsenite, mixtures, solid. | 6.1 | UN1574 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |

| | | | | | | | | | | | | | |
|---|-----|--------|-----|-----|---------------------------------|------|-----|------|-----------|--------|---|--------------------------|--|
| Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.. | | | | | | | | | | | | | |
| Calcium carbide | 4.3 | UN1402 | I | 4.3 | A1, A8, B55, B59, IB4, IP1, N34 | None | 211 | 242 | Forbidden | 15 kg | B | | |
| | | | II | 4.3 | A1, A8, B55, B59, IB7, IP2, N34 | 151 | 212 | 241 | 15 kg | 50 kg | B | | |
| Calcium chlorate | 5.1 | UN1452 | II | 5.1 | IB8, IP2, IP4, N34 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Calcium chlorate aqueous solution. | 5.1 | UN2429 | II | 5.1 | A2, IB2, N41, T4, TP1 | 152 | 202 | 242 | 1 L | 5 L | B | 56, 58, 106 | |
| | | | III | 5.1 | A2, IB2, N41, T4, TP1 | 152 | 203 | 241 | 2.5 L | 30 L | B | 56, 68, 106 | |
| Calcium chlorite | 5.1 | UN1453 | II | 5.1 | A9, IB8, IP2, IP4, N34 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Calcium cyanamide with more than 0.1 percent of calcium carbide. | 4.3 | UN1403 | III | 4.3 | A1, A19, IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | A | | |
| Calcium cyanide | 6.1 | UN1575 | I | 6.1 | IB7, IP1, N79, N80 | None | 211 | 242 | 5 kg | 50 kg | A | 26, 40 | |
| Calcium dithionite or Calcium hydrosulfite. | 4.2 | UN1923 | II | 4.2 | A19, A20, IB6, IP2 | None | 212 | 241 | 15 kg | 50 kg | E | 13 | |
| Calcium hydride | 4.3 | UN1404 | I | 4.3 | A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | | |
| Calcium hydrosulfite, see Calcium dithionite. | | | | | | | | | | | | | |
| Calcium hypochlorite, dry or Calcium hypochlorite mixtures dry with more than 39 percent available chlorine (8.8 percent available oxygen). | 5.1 | UN1748 | II | 5.1 | A7, A9, IB8, IP2, IP4, N34, W9 | 152 | 212 | None | 5 kg | 25 kg | D | 4, 5, 25, 48, 56, 58, 69 | |
| Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixtures, with not less than 5.5 percent but not more than 10 percent water. | 5.1 | UN2880 | II | 5.1 | IB8, IP2, IP4, W9 | 152 | 212 | 240 | 5 kg | 25 kg | D | 4, 5, 25, 48, 56, 58, 69 | |
| Calcium hypochlorite mixtures, dry, with more than 10 percent but not more than 39 percent available chlorine. | 5.1 | UN2208 | III | 5.1 | A1, A29, IB8, IP3, N34, W9 | 152 | 213 | 240 | 25 kg | 100 kg | D | 4, 5, 25, 48, 56, 58, 69 | |
| Calcium manganese silicon | 4.3 | UN2844 | III | 4.3 | A1, A19, IB8, IP2, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | A | 85, 103 | |
| Calcium nitrate | 5.1 | UN1454 | III | 5.1 | 34, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | | |
| Calcium oxide | 8 | UN1910 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | | |
| Calcium perchlorate | 5.1 | UN1455 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|----------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Calcium permanganate | 5.1 | UN1456 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | D | 56, 58, 69, 106, 107 |
| | Calcium peroxide | 5.1 | UN1457 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 13, 75, 106 |
| | Calcium phosphide | 4.3 | UN1360 | I | 4.3, 6.1. | A8, A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | 40, 85 |
| | Calcium, pyrophoric or Calcium alloys, pyrophoric. | 4.2 | UN1855 | I | 4.2 | | None | 187 | None | Forbidden | Forbidden | D | ..... |
| | Calcium resinate | 4.1 | UN1313 | III | 4.1 | A1, A19, IB6 | None | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Calcium resinate, fused | 4.1 | UN1314 | III | 4.1 | A1, A19, IB4 | 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 | 151 | 212 | 241 | 15 kg | 50 kg | B | 85, 103 |
|  | ..... |  |  | III | 4.3 | A1, A19, IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | B | 85, 103 |
| | Camphor oil | 3 | UN1130 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Camphor, synthetic | 4.1 | UN2717 | III | 4.1 | A1, IB8, IP3 | None | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Cannon primers, see Primers, tubular. | | | | | | | | | | | | |
| | Caproic acid | 8 | UN2829 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Caps, blasting, see Detonators, etc. | | | | | | | | | | | | |
| | Carbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2758 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Carbamate pesticides, liquid, toxic. | 6.1 | UN2992 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... |  |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... |  |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | 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 |
|  | ..... |  |  | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|-----|-----|--------|-----|--------|--------------------------|------|-----------|----------------|-----------|-----------|---|-------------|
| | | | III | 6.1, 3 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | 6.1 | UN2757 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| I | | | III | 4.2 | IB8, IP3 | None | 213 | 241 | 0.5 kg | 0.5 kg | A | 12 |
| I | | | II | 4.2 | IB6 | None | 212 | 242 | Forbidden | Forbidden | A | 12 |
| | | | III | 4.2 | IB8, IP3 | None | 213 | 241 | Forbidden | Forbidden | A | 12 |
| | | | | | | | | | | | | |
| | 2.2 | UN1013 | | 2.2 | | 306 | 302, 304. | 302, 314, 315. | 75 kg | 150 kg | A | |
| | 2.2 | UN1015 | | 2.2 | | 306 | None | 314, 315. | 75 kg | 150 kg | A | |
| | 2.2 | UN1014 | | 2.2, | 77 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| | 2.2 | UN2187 | | 2.2 | T75, TP5 | 306 | 304 | 314, 315. | 50 kg | 500 kg | B | |
| A W | 9 | UN1845 | III | None | | 217 | 217 | 240 | 200 kg | 200 kg | C | 40 |
| | 3 | UN1131 | I | 3, 6.1 | B16, T14, TP2, TP7, TP13 | None | 201 | 243 | Forbidden | Forbidden | D | 18, 40, 115 |
| | 2.3 | UN1016 | | 2.3, | 4 | None | 302 | 314, 315. | Forbidden | 25 kg | D | 40 |
| | 2.3 | UN2600 | | 2.3, | 6 | None | 302 | 302 | Forbidden | Forbidden | D | 40 |
| D | 2.3 | NA9202 | | 2.3, | 4, T75, TP5 | None | 316 | 318 | Forbidden | Forbidden | D | |
| | 6.1 | UN2516 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 25 |
| | 6.1 | UN1846 | II | 6.1 | IB2, N36, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| | | | | | | | | | | | | |
| | 2.3 | UN2417 | | 2.3, 8 | 2 | None | 302 | None | Forbidden | Forbidden | D | 40 |
| | 2.3 | UN2204 | | 2.3, | 3, B14 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40 |
| | | | | 2.1. | | | | | | | | |
| | | | | | | | | | | | | |
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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|
| | | | | | | | Excep- tions | Non- bulk | Bulk | Passenger aircraft/rail | Cargo air- craft only | Loca- tion | Other |
| | | | | | | | (8A) | (8B) | (8C) | (9A) | (9B) | (10A) | (10B) |
| | <i>Cartridges, explosive, see</i> Charges, demolition. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... |  |  |  |
| | Cartridges, flash | 1.1G | UN0049 | II | 1.1G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Cartridges, flash | 1.3G | UN0050 | II | 1.3G .. | | None | 62 | None | Forbidden | 75 kg | 07 | ..... |
| | Cartridges for weapons, blank ... | 1.1C | UN0326 | II | 1.1C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Cartridges for weapons, blank ... | 1.2C | UN0413 | II | 1.2C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Cartridges for weapons, blank or Cartridges, small arms, blank. | 1.4S | UN0014 | II | None | | 63 | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Cartridges for weapons, blank or Cartridges, small arms, blank. | 1.3C | UN0327 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Cartridges for weapons, blank or Cartridges, small arms, blank. | 1.4C | UN0338 | II | 1.4C .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Cartridges for weapons, inert projectile. | 1.2C | UN0328 | II | 1.2C .. | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Cartridges for weapons, inert projectile or Cartridges, small arms. | 1.4S | UN0012 | II | None | | 63 | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Cartridges for weapons, inert projectile or Cartridges, small arms. | 1.4C | UN0339 | II | 1.4C .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Cartridges for weapons, inert projectile or Cartridges, small arms. | 1.3C | UN0417 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 06 | ..... |
| | Cartridges for weapons, with bursting charge. | 1.1F | UN0005 | II | 1.1F ... | | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Cartridges for weapons, with bursting charge. | 1.1E | UN0006 | II | 1.1E ... | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Cartridges for weapons, with bursting charge. | 1.2F | UN0007 | II | 1.2F ... | | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Cartridges for weapons, with bursting charge. | 1.2E | UN0321 | II | 1.2E ... | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Cartridges for weapons, with bursting charge. | 1.4F | UN0348 | II | 1.4F ... | | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Cartridges for weapons, with bursting charge. | 1.4E | UN0412 | II | 1.4E ... | | None | 62 | None | Forbidden | 75 kg | 02 | ..... |
| | Cartridges, oil well | 1.3C | UN0277 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Cartridges, oil well | 1.4C | UN0278 | II | 1.4C .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Cartridges, power device | 1.3C | UN0275 | II | 1.3C .. | | None | 62 | None | Forbidden | 75 kg | 07 | ..... |
| | Cartridges, power device | 1.4C | UN0276 | II | 1.4C .. | 110 | None | 62 | None | Forbidden | 75 kg | 06 | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|-----|--|-------|--------|-----|-----------|----------------------------|-----------|-----------|-----------|-------------|-------------|----|--------|
| | Cartridges, power device | 1.4S | UN0323 | II | 1.4S ... | 110 | 63 | 62 | None ... | 25 kg | 100 kg | 05 | ..... |
| | Cartridges, power device | 1.2C | UN0381 | II | 1.2C .. | | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| | <i>Cartridges, safety, blank, see</i> <i>Cartridges for weapons, blank</i> <i>(UN 0014).</i> | | | | | | | | | | | | |
| | <i>Cartridges, safety, see</i> <i>Cartridges for weapons, other</i> <i>than blank or Cartridges,</i> <i>power device (UN 0323).</i> | | | | | | | | | | | | |
| | Cartridges, signal | 1.3G | UN0054 | II | 1.3G .. | | None ... | 62 | None ... | Forbidden | 75 kg | 07 | ..... |
| | Cartridges, signal | 1.4G | UN0312 | II | 1.4G .. | | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| | Cartridges, signal | 1.4S | UN0405 | II | 1.4S ... | | None ... | 62 | None ... | 25 kg | 100 kg | 05 | ..... |
| D | Cartridges, small arms | ORM-D | | | None | | 63 | None ... | None ... | 30 kg gross | 30 kg gross | A | ..... |
| | <i>Cartridges, sporting, see</i> <i>Cartridges for weapons, other</i> <i>than blank.</i> | | | | | | | | | | | | |
| | <i>Cartridges, starter, jet engine,</i> <i>see Cartridges, power device.</i> | | | | | | | | | | | | |
| | Cases, cartridge, empty with primer. | 1.4S | UN0055 | II | 1.4S ... | 50 | None ... | 62 | None ... | 25 kg | 100 kg | 05 | ..... |
| | Cases, cartridges, empty with primer. | 1.4C | UN0379 | II | 1.4C .. | 50 | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| | Cases, combustible, empty, without primer. | 1.4C | UN0446 | II | 1.4C .. | | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| | Cases, combustible, empty, without primer. | 1.3C | UN0447 | II | 1.3C .. | | None ... | 62 | None ... | Forbidden | Forbidden | 07 | ..... |
| | <i>Casinghead gasoline see Gaso-</i> <i>line.</i> | | | | | | | | | | | | |
| A W | Castor beans or Castor meal or Castor pomace or Castor flake. | 9 | UN2969 | II | None | IB8, IP2, IP4 | 155 | 204 | 240 | No limit | No limit | E | 34, 40 |
| G | Caustic alkali liquids, n.o.s. | 8 | UN1719 | II | 8 | B2, IB2, T11, TP2, TP27 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| | | | | III | 8 | IB3, T7, TP1, TP28 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | <i>Caustic potash, see</i> Potassium <i>hydroxide etc.</i> | | | | | | | | | | | | |
| | <i>Caustic soda, (etc.) see</i> Sodium <i>hydroxide etc.</i> | | | | | | | | | | | | |
| | Cells, containing sodium | 4.3 | UN3292 | II | 4.3 | | 189 | 189 | 189 | 25 kg gross | No limit | A | ..... |
| | Celluloid, <i>in block, rods, rolls,</i> <i>sheets, tubes, etc., except</i> <i>scrap.</i> | 4.1 | UN2000 | III | 4.1 | | None ... | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Celluloid, scrap | 4.2 | UN2002 | III | 4.2 | IB8, IP3 | None ... | 213 | 241 | Forbidden | Forbidden | D | ..... |
| | <i>Cement, see</i> Adhesives <i>con-</i> <i>taining flammable liquid.</i> | | | | | | | | | | | | |
| | Cerium, <i>slabs, ingots, or rods ...</i> | 4.1 | UN1333 | II | 4.1 | IB8, IP2, IP4, N34 | None ... | 212 | 240 | 15 kg | 50 kg | A | 74, 91 |
| | Cerium, <i>turnings or gritty powder</i> | 4.3 | UN3078 | II | 4.3 | A1, IB7, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | E | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | | |
|---------------------------------------|--|----------------------------|----------------------------|---------|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|--|
| | | | | | | | 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) | |
| D | Cesium or Caesium | 4.3 | UN1407 | I | 4.3 | A19, IB1, IP1, N34, N40 | None | 211 | 242 | Forbidden | 15 kg | D | ..... |  |
| | Cesium nitrate or Caesium ni- trate. | 5.1 | UN1451 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |  |
| | Charcoal <i>briquettes, shell, screenings, wood, etc.</i> | 4.2 | NA1361 | III | 4.2 | IB8 | 151 | 213 | 240 | 25 kg | 100 kg | A | 12 | |
| | Charges, bursting, plastics bonded. | 1.1D | UN0457 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, bursting, plastics bonded. | 1.2D | UN0458 | II | 1.2D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, bursting, plastics bonded. | 1.4D | UN0459 | II | 1.4D .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |  |
| | Charges, bursting, plastics bonded. | 1.4S | UN0460 | II | 1.4S ... | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |  |
| | Charges, demolition | 1.1D | UN0048 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |  |
| | Charges, depth | 1.1D | UN0056 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |  |
| | Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device. | | | | | | | | | | | | | |
| | Charges, explosive, commercial without detonator. | 1.1D | UN0442 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, explosive, commercial without detonator. | 1.2D | UN0443 | II | 1.2D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, explosive, commercial without detonator. | 1.4D | UN0444 | II | 1.4D .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |  |
| | Charges, explosive, commercial without detonator. | 1.4S | UN0445 | II | 1.4S ... | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |  |
| | Charges, propelling | 1.1C | UN0271 | II | 1.1C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, propelling | 1.3C | UN0272 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, propelling | 1.2C | UN0415 | II | 1.2C .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |
| | Charges, propelling | 1.4C | UN0491 | II | 1.4C .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |  |
| | Charges, propelling, for cannon | 1.3C | UN0242 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |  |
| | Charges, propelling, for cannon | 1.1C | UN0279 | II | 1.1C .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |  |
| Charges, propelling, for cannon | 1.2C | UN0414 | II | 1.2C .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |  |  |
| Charges, shaped, flexible, linear | 1.4D | UN0237 | II | 1.4D .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |  |  |
| Charges, shaped, flexible, linear | 1.1D | UN0288 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |  |
| Charges, shaped, without deto- nator. | 1.1D | UN0059 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |  |  |

| | | | | | | | | | | | | | |
|---|--|-----------|--------|-------|--------------|--|-----------|-----------|-----------|-----------|-----------|----|----------------------------|
| | Charges, shaped, <i>without detonator</i> . | 1.2D | UN0439 | II | 1.2D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Charges, shaped, <i>without detonator</i> . | 1.4D | UN0440 | II | 1.4D .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Charges, shaped, <i>without detonator</i> . | 1.4S | UN0441 | II | 1.4S ... | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Charges, supplementary explosive. | 1.1D | UN0060 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| D | Chemical kit | 8 | NA1760 | II | 8 | | 154 | 161 | None | 1 L | 30 L | B | 40 |
| | Chemical kits | 9 | UN3316 | ..... | 9 | | None | None | None | 10 kg | 10 kg | A | ..... |
| | Chloral, anhydrous, stabilized | 6.1 | UN2075 | II | 6.1 | | None | 202 | 243 | 5 L | 60 L | D | 40 |
| | Chlorate and borate mixtures | 5.1 | UN1458 | II | 5.1 | | 152 | 212 | 240 | 5 kg | 25 kg | A | 56, 58, 106 |
|  | ..... |  |  | III | 5.1 | | 152 | 213 | 240 | 25 kg | 100 kg | A | 56, 58, 106 |
| | Chlorate and magnesium chloride mixtures. | 5.1 | UN1459 | II | 5.1 | | 152 | 212 | 240 | 5 kg | 25 kg | A | 56, 58, 106 |
|  | ..... |  |  | III | 5.1 | | 152 | 213 | 240 | 25 kg | 100 kg | A | 56, 58, 106 |
| | <i>Chlorate of potash, see Potassium chlorate.</i> | | | | | | | | | | | | |
| | <i>Chlorate of soda, see Sodium chlorate.</i> | | | | | | | | | | | | |
| | Chlorates, inorganic, aqueous solution, n.o.s.. | 5.1 | UN3210 | II | 5.1 | | 152 | 202 | 242 | 1 L | 5 L | B | 56, 58, 106 |
| | Chlorates, inorganic, n.o.s. | 5.1 | UN1461 | II | 5.1 | | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | Chloric acid aqueous solution, with not more than 10 percent chloric acid. | 5.1 | UN2626 | II | 5.1 | | None | 229 | None | Forbidden | Forbidden | D | 56, 58, 106 |
| | <i>Chloride of phosphorus, see Phosphorus trichloride.</i> | | | | | | | | | | | | |
| | <i>Chloride of sulfur, see Sulfur chloride.</i> | | | | | | | | | | | | |
| | <i>Chlorinated lime, see Calcium hypochlorite mixtures, etc.</i> | | | | | | | | | | | | |
| | Chlorine | 2.3 | UN1017 | ..... | 2.3, 8 | | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40, 51, 55, 62, 68, 89, 90 |
| D | <i>Chlorine azide</i> | Forbidden | | | | | | | | | | | |
| | Chlorine dioxide, hydrate, frozen | 5.1 | NA9191 | II | 5.1, 6.1. | | None | 229 | None | Forbidden | Forbidden | E | ..... |
| | <i>Chlorine dioxide (not hydrate)</i> | Forbidden | | | | | | | | | | | |
| | Chlorine pentafluoride | 2.3 | UN2548 | ..... | 2.3, 5.1, 8. | | None | 304 | 314 | Forbidden | Forbidden | D | 40, 89, 90 |
| | Chlorine trifluoride | 2.3 | UN1749 | ..... | 2.3, 5.1, 8. | | None | 304 | 314 | Forbidden | Forbidden | D | 40, 89, 90 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Chlorite solution | 8 | UN1908 | II | 8 | A3, A6, A7, B2, IB2, N34, T7, TP2, TP24 | 154 | 202 | 242 | 1 L | 30 L | B | 26 |
|  | ..... |  |  | III | 8 | A3, A6, A7, B2, IB3, N34, T4, TP2, TP24 | 154 | 203 | 241 | 5 L | 60 L | B | 26 |
| | Chlorites, inorganic, n.o.s. | 5.1 | UN1462 | II | 5.1 | A7, IB6, IP2, N34 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | 1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b. | 2.1 | UN2517 | | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | 3-Chloro-4-methylphenyl isocyanate. | 6.1 | UN2236 | II | 6.1 | IB2 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | 1-Chloro-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124. | 2.2 | UN1021 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| | 4-Chloro-o-toluidine hydrochloride. | 6.1 | UN1579 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | 1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a. | 2.2 | UN1983 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| | Chloroacetic acid, molten | 6.1 | UN3250 | II | 6.1, 8 | IB1, T7, TP3 | None | 202 | 243 | Forbidden | Forbidden | C | 40 |
| | Chloroacetic acid, solid | 6.1 | UN1751 | II | 6.1, 8 | A3, A7, IB8, IP4, N34 | None | 212 | 242 | 15 kg | 50 kg | A | 40 |
| | Chloroacetic acid, solution | 6.1 | UN1750 | II | 6.1, 8 | A7, IB2, N34, T7, TP2 | None | 202 | 243 | 1 L | 30 L | C | 40 |
| | Chloroacetone, stabilized | 6.1 | UN1695 | I | 6.1, 3, 8. | 2, B9, B14, B32, B74, N12, N32, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 21, 40, 100 |
| | <i>Chloroacetone (unstabilized)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| + | Chloroacetonitrile | 6.1 | UN2668 | II | 6.1, 3 | 2, B9, B14, B32, B74, IB99, T20, TP2, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | A | 12, 26, 40 |
| | Chloroacetophenone (CN), liquid | 6.1 | UN1697 | II | 6.1 | A3, IB2, N12, N32, N33, T11, TP2, TP13, TP27 | None | 202 | 243 | Forbidden | 60 L | D | 12, 40 |

| | | | | | | | | | | | | |
|---|-----|--------|-----|------------|---|------|-----|-----------|-----------|-----------|---|-------------------------|
| Chloroacetophenone (CN), solid | 6.1 | UN1697 | II | 6.1 | A3, IB8, IP2, IP4, N12, N32, N33, N34, T7, TP2, TP13 | None | 212 | None | Forbidden | 100 kg | D | 12, 40 |
| Chloroacetyl chloride | 6.1 | UN1752 | I | 6.1, 8 | 2, A3, A6, A7, B3, B8, B9, B14, B32, B74, 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 | None | 202 | 243 | 5 L | 60 L | A | |
| Chloroanilines, solid | 6.1 | UN2018 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | |
| Chloroanisidines | 6.1 | UN2233 | III | 6.1 | IB8, IP3 | 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 | 6.1 | UN2235 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | |
| Chlorobutanes | 3 | UN1127 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| Chlorocresols, liquid | 6.1 | UN2669 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 12 |
| Chlorocresols, solid | 6.1 | UN2669 | II | 6.1 | IB8, IP2, IP3, T7 | None | 212 | 242 | 25 kg | 100 kg | A | 12 |
| Chlorodifluorobromomethane or Refrigerant gas R 12B1. | 2.2 | UN1974 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane. | 2.2 | UN1973 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| Chlorodifluoromethane or Refrigerant gas R 22. | 2.2 | UN1018 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| + Chlorodinitrobenzenes | 6.1 | UN1577 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | 91 |
| 2-Chloroethanal | 6.1 | UN2232 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| Chloroform | 6.1 | UN1888 | III | 6.1 | IB3, N36, T7, TP2 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| G Chloroformates, toxic, corrosive, flammable, n.o.s.. | 6.1 | UN2742 | II | 6.1, 8, 3. | 5, IB1, T7, TP2 | None | 202 | 243 | 1 L | 30 L | A | 12, 13, 21, 25, 40, 100 |
| G Chloroformates, toxic, corrosive, n.o.s.. | 6.1 | UN3277 | II | 6.1, 8 | IB2, T8, TP2, TP13, TP28 | None | 202 | 243 | 1 L | 30 L | A | 12, 13, 25, 40 |
| Chloromethyl chloroformate | 6.1 | UN2745 | II | 6.1, 8 | IB2, T7, TP2, TP13 | None | 202 | 243 | 1 L | 30 L | A | 12, 13, 21, 25, 40, 100 |
| Chloromethyl ethyl ether | 3 | UN2354 | II | 3, 6.1 | IB2, T7, TP1, TP13 | None | 202 | 243 | 1 L | 60 L | E | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym- bols | Hazardous materials descrip- tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|--------------|---|----------------------------------|----------------------------------|-------|----------------|--|-----------------------------|--------------|--------------|-----------------------------|--------------------------|-----------------------------|--------|
| | | | | | | | 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) |
| + | Chloronitroanilines | 6.1 | UN2237 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Chloronitrobenzene, <i>ortho</i> , liquid | 6.1 | UN1578 | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| + | Chloronitrobenzenes <i>meta</i> or <i>para</i> , solid. | 6.1 | UN1578 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Chloronitrotoluenes, liquid | 6.1 | UN2433 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Chloronitrotoluenes, solid | 6.1 | UN2433 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Chloropentafluoroethane or Re- frigerant gas R 115. | 2.2 | UN1020 | ..... | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| | Chlorophenolates, liquid or Phenolates, liquid. | 8 | UN2904 | III | 8 | IB3 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Chlorophenolates, solid or Phenolates, solid. | 8 | UN2905 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Chlorophenols, liquid | 6.1 | UN2021 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Chlorophenols, solid | 6.1 | UN2020 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Chlorophenyltrichlorosilane | 8 | UN1753 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| + | Chloropicrin | 6.1 | UN1580 | I | 6.1 | 2, B7, B9, B14, B32, B46, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Chloropicrin and methyl bromide mixtures. | 2.3 | UN1581 | ..... | 2.3 | 2, B9, B14, T50 | None | 193 | 314, 315. | Forbidden | Forbidden | D | 25, 40 |
| | Chloropicrin and methyl chloride mixtures. | 2.3 | UN1582 | ..... | 2.3 | 2, T50 | None | 193 | 245 | Forbidden | Forbidden | D | 25, 40 |
| | <i>Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Chloropicrin mixtures, n.o.s. | 6.1 | UN1583 | I | 6.1 | 5 | None | 201 | 243 | Forbidden | Forbidden | C | 40 |
|  | ..... | ..... | ..... | II | 6.1 | IB2 | None | 202 | 243 | Forbidden | Forbidden | C | 40 |
|  | ..... | ..... | ..... | III | 6.1 | IB3 | 153 | 203 | 241 | Forbidden | Forbidden | C | 40 |
| D | Chloro-pivaloyl chloride | 6.1 | NA9263 | I | 6.1, 8 | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | B | 40 |
| | Chloroplatinic acid, solid | 8 | UN2507 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |

150

| | | | | | | | | | | | | |
|--|-----------|--------|-----|-----------|--|------|-----|-----------|-----------|-----------|---|---------------------|
| Chloroprene, stabilized | 3 | UN1991 | I | 3, 6.1 | B57, T14, TP2, TP13 | None | 201 | 243 | Forbidden | 30 L | D | 40 |
| <i>Chloroprene, uninhibited</i> | Forbidden | | | | | | | | | | | |
| 2-Chloropropane | 3 | UN2356 | I | 3 | N36, T11, TP2, TP13 | 150 | 201 | 243 | 1 L | 30 L | E | |
| 3-Chloropropanol-1 | 6.1 | UN2849 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | |
| 2-Chloropropene | 3 | UN2456 | I | 3 | A3, N36, T11, TP2 | 150 | 201 | 243 | 1 L | 30 L | E | |
| 2-Chloropropionic acid | 8 | UN2511 | III | 8 | IB3, T4, TP2 | 154 | 203 | 241 | 5 L | 60 L | A | 8 |
| 2-Chloropyridine | 6.1 | UN2822 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| Chlorosilanes, corrosive, flammable, n.o.s. | 8 | UN2986 | II | 8, 3 | IB2, T11, TP2, TP27 | None | 202 | 243 | 1 L | 30 L | C | 40 |
| Chlorosilanes, corrosive, n.o.s. ... | 8 | UN2987 | II | 8 | B2, IB2, T14, TP2, TP27 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| Chlorosilanes, flammable, corrosive, n.o.s. | 3 | UN2985 | II | 3, 8 | IB1, T11, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 5 L | B | 40 |
| Chlorosilanes, water-reactive, flammable, corrosive, n.o.s. | 4.3 | UN2988 | I | 4.3, 3, 8 | A2, T10, TP2, TP7, TP13 | None | 201 | 244 | Forbidden | 1 L | D | 21, 28, 40, 49, 100 |
| + Chlorosulfonic acid (<i>with or without sulfur trioxide</i>) | 8 | UN1754 | I | 8, 6.1 | 2, A3, A6, A10, B9, B10, B14, B32, B74, T20, TP2, TP12, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | C | 40 |
| Chlorotoluenes | 3 | UN2238 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| Chlorotoluidines <i>liquid</i> | 6.1 | UN2239 | III | 6.1 | IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | |
| Chlorotoluidines <i>solid</i> | 6.1 | UN2239 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | |
| Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane. | 2.2 | UN2599 | | 2.2 | | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| Chlorotrifluoromethane or Refrigerant gas R 13. | 2.2 | UN1022 | | 2.2 | | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| Chromic acid solution | 8 | UN1755 | II | 8 | B2, IB2, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| ..... |  |  | III | 8 | IB3, T4, TP1, TP12 | 154 | 203 | 241 | 5 L | 60 L | C | 40 |
| <i>Chromic anhydride, see Chromium trioxide, anhydrous.</i> | | | | | | | | | | | | |
| Chromic fluoride, solid | 8 | UN1756 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | 26 |
| Chromic fluoride, solution | 8 | UN1757 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | |
| ..... |  |  | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | |
| Chromium nitrate | 5.1 | UN2720 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | |
| Chromium oxychloride | 8 | UN1758 | I | 8 | A3, A6, A7, B10, N34, T10, TP2, TP12 | None | 201 | 243 | 0.5 L | 2.5 L | C | 40, 66, 74, 89, 90 |
| Chromium trioxide, anhydrous ... | 5.1 | UN1463 | II | 5.1, 8 | IB8, IP4 | None | 212 | 242 | 5 kg | 25 kg | A | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym- bols (1) | Hazardous materials descrip- tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|-------------------------|--|---|---|---------------|---------------------------|---|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Chromosulfuric acid | 8 | UN2240 | I | 8 | A3, A6, A7, B4, B6, N34, T10, TP2, TP12, TP13 | None | 201 | 243 | 0.5 L | 2.5 L | B | 40, 66, 74, 89, 90 |
| | <i>Chromyl chloride, see Chromium oxychloride.</i> | | | | | | | | | | | | |
| | <i>Cigar and cigarette lighters, charged with fuel, see Light- ers for cigars, cigarettes, etc.</i> <i>Coal briquettes, hot</i> | Forbidden | | | | | | | | | | | |
| | <i>Coal gas, compressed</i> | 2.3 | UN1023 | | 2.3, 2.1. | 3 | None | 302 | 314, 315. | Forbidden | 25 kg | D | 40 |
| | <i>Coal tar distillates, flammable</i> | 3 | UN1136 | II III | 3 | IB2, T4, TP1 B1, IB3, T4, TP1, TP29 | 150 | 202 | 242 | 5 L 60 L | 60 L 220 L | B A | |
| | <i>Coal tar dye, corrosive, liquid, n.o.s. see Dyes, liquid or solid, n.o.s. or Dye intermedi- ates, liquid or solid, corrosive, n.o.s..</i> | | | | | | | | | | | | |
| | <i>Coating solution (includes sur- face treatments or coatings used for industrial or other purposes such as vehicle un- dercoating, drum or barrel lin- ing).</i> | 3 | UN1139 | I | 3 | T11, TP1, TP8, TP27 | 150 | 201 | 243 | 1 L | 30 L | E | |
|  | ..... |  |  | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | |
|  | ..... |  |  | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | <i>Cobalt naphthenates, powder</i> | 4.1 | UN2001 | III | 4.1 | A19, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | |
| | <i>Cobalt resinate, precipitated</i> | 4.1 | UN1318 | III | 4.1 | A1, A19, IB6 | 151 | 213 | 240 | 25 kg | 100 kg | A | |
| | <i>Coke, hot</i> | Forbidden | | | | | | | | | | | |
| | <i>Collodion, see Nitrocellulose etc</i> <i>Combustible liquid, n.o.s.</i> | Combustible | NA1993 | III | None | IB3,T1, T4, TP1 | 150 | 203 | 241 | 60 L | 220 L | A | |
| D G | <i>Components, explosive train, n.o.s..</i> | 1.2B | UN0382 | II | 1.2B ... | 101 | None | 62 | None | Forbidden | Forbidden | 11 | |
| G | <i>Components, explosive train, n.o.s..</i> | 1.4B | UN0383 | II | 1.4B ... | 101 | None | 62 | None | Forbidden | 75 kg | 06 | |
| G | <i>Components, explosive train, n.o.s..</i> | 1.4S | UN0384 | II | 1.4S ... | 101 | None | 62 | None | 25 kg | 100 kg | 05 | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|-----|---|------|--------|-------|-----------|------------------------------|-----------|-----------|-----------|-----------|-----------|----|-------|
| G | Components, explosive train, n.o.s. | 1.1B | UN0461 | II | 1.1B ... | 101 | None | 62 | None | Forbidden | Forbidden | 11 | ..... |
| D G | Composition B, see Hexolite, etc Compounds, cleaning liquid | 8 | NA1760 | I | 8 | A7, B10, T14, TP2, TP9, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | B | 40 |
| | | | | II | 8 | B2, IB2, N37, T11, TP2, TP27 | 154 | 202 | 242 | 1 L | 30 L | B | 40 |
| | | | | III | 8 | IB3, N37, T7, TP1, TP28 | 154 | 203 | 241 | 5 L | 60 L | A | 40 |
| D G | Compounds, cleaning liquid | 3 | NA1993 | I | 3 | T11, TP1, TP9 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |
| | | | | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | | | | III | 3 | B1, B52, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| D G | Compounds, tree killing, liquid or Compounds, weed killing, liquid. | 8 | NA1760 | I | 8 | A7, B10, T14, TP2, TP9, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | B | 40 |
| | | | | II | 8 | B2, IB2, N37, T11, TP2, TP27 | 154 | 202 | 242 | 1 L | 30 L | B | 40 |
| | | | | III | 8 | IB3, N37, T7, TP1, TP28 | 154 | 203 | 241 | 5 L | 60 L | A | 40 |
| D G | Compounds, tree killing, liquid or Compounds, weed killing, liquid. | 3 | NA1993 | I | 3 | T11, TP1, TP9 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |
| | | | | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | | | | III | 3 | B1, B52, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| D G | Compounds, tree killing, liquid or Compounds, weed killing, liquid. | 6.1 | NA2810 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1 | IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| G | Compressed gas, flammable, n.o.s. | 2.1 | UN1954 | ..... | 2.1 | | 306 | 302, 305. | 314, 315. | Forbidden | 150 kg | D | 40 |
| G | Compressed gas, n.o.s. | 2.2 | UN1956 | ..... | 2.2 | | 306, 307. | 302, 305. | 314, 315. | 75 kg | 150 kg | A | ..... |
| G | Compressed gas, oxidizing, n.o.s. | 2.2 | UN3156 | ..... | 2.2, 5.1. | | 306 | 302 | 314, 315. | 75 kg | 150 kg | D | ..... |
| G I | Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3304 | ..... | 2.3, 8 | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| G I | Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3304 | ..... | 2.3, 8 | 2 | 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 | ..... | 2.3, 8 | 3 | None | 302, 305. | 314, 315. | Forbidden | Forbidden | D | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| G I | Compressed gas, toxic, corro- sive, 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, flam- mable, corrosive, n.o.s. <i>Inha- lation 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, flam- mable, corrosive, n.o.s. <i>Inha- lation Hazard Zone B.</i> | 2.3 | UN3305 | ..... | 2.3, 2.1, 8. | 2 | None | 302, 305. | 314, 315. | Forbidden | Forbidden | D | 17, 40 |
| G I | Compressed gas, toxic, flam- mable, corrosive, n.o.s. <i>Inha- lation Hazard Zone C.</i> | 2.3 | UN3305 | ..... | 2.3, 2.1, 8. | 3 | None | 302, 305. | 314, 315. | Forbidden | Forbidden | D | 17, 40 |
| G I | Compressed gas, toxic, flam- mable, corrosive, n.o.s. <i>Inha- lation 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, flam- mable, n.o.s. <i>Inhalation haz- ard Zone A.</i> | 2.3 | UN1953 | ..... | 2.3, 2.1. | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| G | Compressed gas, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard 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, flam- mable, n.o.s. <i>Inhalation Haz- ard 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, flam- mable, n.o.s. <i>Inhalation Haz- ard 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, toxic, oxidizing, corrosive, n.o.s. <i>In- halation 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 | 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 | 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 | 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 | None | 302, 305. | 314, 315. | Forbidden | Forbidden | D | 40 |
| G | Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3 | UN3303 | ..... | 2.3, 5.1. | 4 | None | 302, 305. | 314, 315. | Forbidden | Forbidden | D | 40 |
| D | Consumer commodity | ORM-D |  | ..... | None | | 156, 306. | 156, 306. | None | 30 kg gross | 30 kg gross | A | ..... |
| | Contrivances, water-activated, with burster, expelling charge or propelling charge. | 1.2L | UN0248 | II | 1.2L ... | 101 | None | 62 | None | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| | Contrivances, water-activated, with burster, expelling charge or propelling charge. | 1.3L | UN0249 | II | 1.3L ... | 101 | None | 62 | None | Forbidden | Forbidden | 08 | 8E, 14E, 15E, 17E |
| | Copper acetoarsenite | 6.1 | UN1585 | II | 6.1 | | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Copper acetylde | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Copper amine azide | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Copper arsenite | 6.1 | UN1586 | II | 6.1 | | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2776 | I | 3, 6.1 | | None | 201 | 243 | Forbidden | 30 L | B | 40 |
|  | ..... |  |  | II | 3, 6.1 | | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Copper based pesticides, liquid, toxic. | 6.1 | UN3010 | I | 6.1 | | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... |  |  | II | 6.1 | | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... |  |  | III | 6.1 | | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Copper based pesticides, liquid, toxic, flammable flash point not less than 23 degrees C. | 6.1 | UN3009 | I | 6.1, 3 | | None | 201 | 243 | 1 L | 30 L | B | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| (1) | Hazardous materials descriptions and proper shipping names (2) | Hazard class or Division (3) | Identification Numbers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stowage | |
|-----|--|---------------------------------|-------------------------------|-----------|--------------------|--------------------------------------|--------------------------|------------------|--------------|---------------------------------|-----------------------------|---------------------|-----------------|
| | | | | | | | Exceptions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo aircraft only (9B) | Location (10A) | Other (10B) |
| | | | | | | | | | | | | | |
| | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1, 3 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Copper based pesticides, solid, toxic. | 6.1 | UN2775 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Copper chlorate | 5.1 | UN2721 | II | 5.1 | A1, IB8, IP2, IP4 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | Copper chloride | 8 | UN2802 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | |
| | Copper cyanide | 6.1 | UN1587 | II | 6.1 | IB8, IP2, IP4 | None | 204 | 242 | 25 kg | 100 kg | A | 26 |
| | <i>Copper selenate, see Selenates or Selenites.</i> | | | | | | | | | | | | |
| | <i>Copper selenite, see Selenates or Selenites.</i> | | | | | | | | | | | | |
| | <i>Copper tetramine nitrate</i> | Forbidden | | | | | | | | | | | |
| A W | Copra | 4.2 | UN1363 | III | 4.2 | IB8, IP3, IP6 | None | 213 | 241 | Forbidden | Forbidden | A | 13, 19, 48, 119 |
| | Cord, detonating, flexible | 1.1D | UN0065 | II | 1.1D | 102 | 63(a) | 62 | None | Forbidden | Forbidden | 07 | |
| | Cord, detonating, flexible | 1.4D | UN0289 | II | 1.4D | | None | 62 | None | Forbidden | 75 kg | 06 | |
| | Cord detonating or Fuse detonating metal clad. | 1.2D | UN0102 | II | 1.2D | | None | 62 | None | Forbidden | Forbidden | 07 | |
| | Cord, detonating or Fuse, detonating metal clad. | 1.1D | UN0290 | II | 1.1D | | None | 62 | None | Forbidden | Forbidden | 07 | |
| | Cord, detonating, mild effect or Fuse, detonating, mild effect metal clad. | 1.4D | UN0104 | II | 1.4D | | None | 62 | None | Forbidden | 75 kg | 06 | |
| | Cord, igniter | 1.4G | UN0066 | II | 1.4G | | None | 62 | None | Forbidden | 75 kg | 06 | |
| | <i>Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible.</i> | | | | | | | | | | | | |
| G | <i>Cordite, see Powder, smokeless</i> | | | | | | | | | | | | |
| | Corrosive liquid, acidic, inorganic, n.o.s.. | 8 | UN3264 | I | 8 | B10, T14, TP2, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | B | 40 |
| | | | | 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 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | | |
|---|---|---|--------|-----|--------|-------|-------------------------------|------|-------|-----|-------|-----|-------|-----------|--------|---|--------|
| G | Corrosive liquid, acidic, organic, n.o.s.. | 8 | UN3265 | I | 8 | ..... | 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 |
| G | Corrosive liquid, basic, inorganic, n.o.s.. | 8 | UN3266 | I | 8 | ..... | 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 |
| G | Corrosive liquid, basic, organic, n.o.s.. | 8 | UN3267 | I | 8 | ..... | B10, T14, TP2, TP27 | None | .... | 201 | ..... | 243 | ..... | 0.5 L | 2.5 L | B | 40 |
| | | | | 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 |
| G | Corrosive liquid, self-heating, n.o.s.. | 8 | UN3301 | I | 8, 4.2 | | B10 | None | .... | 201 | ..... | 243 | ..... | 0.5 L | 2.5 L | D | ..... |
| | | | | II | 8, 4.2 | | B2, IB1 | 154 | ..... | 202 | ..... | 242 | ..... | 1 L | 30 L | D | ..... |
| G | Corrosive liquids, flammable, n.o.s.. | 8 | UN2920 | I | 8, 3 | .... | B10, T14, TP2, TP27 | None | .... | 201 | ..... | 243 | ..... | 0.5 L | 2.5 L | C | 25, 40 |
| | | | | II | 8, 3 | .... | B2, IB2, T11, TP2, TP27 | None | .... | 202 | ..... | 243 | ..... | 1 L | 30 L | C | 25, 40 |
| G | Corrosive liquids, n.o.s. | 8 | UN1760 | I | 8 | ..... | A7, B10, T14, TP2, TP27 | None | .... | 201 | ..... | 243 | ..... | 0.5 L | 2.5 L | B | 40 |
| | | | | II | 8 | ..... | B2, IB2, T11, TP2, TP27 | 154 | ..... | 202 | ..... | 242 | ..... | 1 L | 30 L | B | 40 |
| | | | | III | 8 | ..... | IB3, T7, TP1, TP28 | 154 | ..... | 203 | ..... | 241 | ..... | 5 L | 60 L | A | 40 |
| G | Corrosive liquids, oxidizing, n.o.s.. | 8 | UN3093 | I | 8, 5.1 | | | None | .... | 201 | ..... | 243 | ..... | Forbidden | 2.5 L | C | 89 |
| | | | | II | 8, 5.1 | | IB2 | None | .... | 202 | ..... | 243 | ..... | 1 L | 30 L | C | 89 |
| G | Corrosive liquids, toxic, n.o.s. | 8 | UN2922 | I | 8, 6.1 | | A7, B10, T14, TP2, TP13, TP27 | None | .... | 201 | ..... | 243 | ..... | 0.5 L | 2.5 L | B | 40 |
| | | | | II | 8, 6.1 | | B3, IB2, T7, TP2 | None | .... | 202 | ..... | 243 | ..... | 1 L | 30 L | B | 40 |
| | | | | III | 8, 6.1 | | IB3, T7, TP1, TP28 | 154 | ..... | 203 | ..... | 241 | ..... | 5 L | 60 L | B | 40 |
| G | Corrosive liquids, water-reactive, n.o.s.. | 8 | UN3094 | I | 8, 4.3 | | | None | .... | 201 | ..... | 243 | ..... | Forbidden | 1 L | E | ..... |
| | | | | II | 8, 4.3 | | | None | .... | 202 | ..... | 243 | ..... | 1 L | 5 L | E | ..... |
| G | Corrosive solid, acidic, inorganic, n.o.s.. | 8 | UN3260 | I | 8 | ..... | IB7, IP1 | None | .... | 211 | ..... | 242 | ..... | 1 kg | 25 kg | B | ..... |
| | | | | II | 8 | ..... | IB8, IP2, IP4 | 154 | ..... | 212 | ..... | 240 | ..... | 15 kg | 50 kg | B | ..... |
| | | | | III | 8 | ..... | IB8, IP3 | 154 | ..... | 213 | ..... | 240 | ..... | 25 kg | 100 kg | A | ..... |
| G | Corrosive solid, acidic, organic, n.o.s.. | 8 | UN3261 | I | 8 | ..... | IB7, IP1 | None | .... | 211 | ..... | 242 | ..... | 1 kg | 25 kg | B | ..... |
| | | | | II | 8 | ..... | IB8, IP2, IP4 | 154 | ..... | 212 | ..... | 240 | ..... | 15 kg | 50 kg | B | ..... |
| | | | | III | 8 | ..... | IB8, IP3 | 154 | ..... | 213 | ..... | 240 | ..... | 25 kg | 100 kg | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | | |
|---------------------|---|--|---|---------------|---------------------------|--|------------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|--------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) | |
| G | Corrosive solid, basic, inorganic, n.o.s.. | 8 | UN3262 | I | 8 | IB7, IP1 | None | 211 | 242 | 1 kg | 25 kg | B | ..... |  |
| | | | | | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | B | |
| | | | | | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | |
| G | Corrosive solid, basic, organic, n.o.s.. | 8 | UN3263 | I | 8 | IB7, IP1 | None | 211 | 242 | 1 kg | 25 kg | B | ..... |  |
| | | | | | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | B | |
| G | Corrosive solids, flammable, n.o.s.. | 8 | UN2921 | I | 8, 4.1 | IB6 | None | 211 | 242 | 1 kg | 25 kg | B | 12, 25 | |
| | | | | | II | 8, 4.1 | IB8, IP2, IP4 | None | 212 | 242 | 15 kg | 50 kg | B | 12, 25 |
| G | Corrosive solids, n.o.s. | 8 | UN1759 | I | 8 | IB7, IP1 | None | 211 | 242 | 1 kg | 25 kg | B | ..... |  |
| | | | | | II | 8 | 128, IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | |
| G | Corrosive solids, oxidizing, n.o.s. | 8 | UN3084 | I | 8, 5.1 | | None | 211 | 242 | 1 kg | 25 kg | C | ..... |  |
| | | | | | II | 8, 5.1 | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | C | |
| G | Corrosive solids, self-heating, n.o.s.. | 8 | UN3095 | I | 8, 4.2 | | None | 211 | 243 | 1 kg | 25 kg | C | ..... |  |
| | | | | | II | 8, 4.2 | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | C | |
| G | Corrosive solids, toxic, n.o.s. | 8 | UN2923 | I | 8, 6.1 | IB7 | None | 211 | 242 | 1 kg | 25 kg | B | 40 | |
| | | | | | II | 8, 6.1 | IB8, IP2, IP4 | None | 212 | 240 | 15 kg | 50 kg | B | 40 |
| | | | | | III | 8, 6.1 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | B | 40, 95 |
| G | Corrosive solids, water-reactive, n.o.s.. | 8 | UN3096 | I | 8, 4.3 | IB4, IP1 | None | 211 | 243 | 1 kg | 25 kg | D | ..... |  |
| | | | | | II | 8, 4.3 | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | D | |
| D W | Cotton | 9 | NA1365 | ..... | 9 | 137, IB8, IP2, IP4, W41 | None | None | None | No limit | No limit | A | ..... |  |
| A W A I W | Cotton waste, oily | 4.2 | UN1364 | III | 4.2 | IB8, IP6 | None | 213 | None | Forbidden | Forbidden | A | 54 | |
| | | | | | 4.2 | IB8, IP6 | None | 204 | 241 | Forbidden | Forbidden | A | ..... |  |
| | Coumarin derivative pesticides, liquid, flammable, toxic, <i>flash point less than 23 degrees C.</i> | 3 | UN3024 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 | |
| | | | | | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Coumarin derivative pesticides, liquid, toxic. | 6.1 | UN3026 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 | |

| | | | | | | | | | | | | | | | | |
|--|-------|--------|-------|-----------|-------|---|-------|-------|-------|-------|-------|-------|-----------|-----------|-------|--------|
| ..... | ..... | ..... | II | 6.1 | ..... | IB2, T11, TP2, TP27 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | B | 40 |
| ..... | ..... | ..... | III | 6.1 | ..... | IB3, T7, TP1, TP28 | 153 | ..... | 203 | ..... | 241 | ..... | 60 L | 220 L | A | 40 |
| Coumarin derivative pesticides, liquid, toxic, flammable flash point not less than 23 degrees C. | 6.1 | UN3025 | I | 6.1, 3 | ..... | T14, TP2, TP13, TP27 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | B | 40 |
| ..... | ..... | ..... | II | 6.1, 3 | ..... | IB2, T11, TP2, TP13, TP27 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | B | 40 |
| ..... | ..... | ..... | III | 6.1, 3 | ..... | B1, IB3, T7, TP1, TP28 | 153 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | 40 |
| Coumarin derivative pesticides, solid, toxic. | 6.1 | UN3027 | I | 6.1 | ..... | IB7, IP1, T14, TP2, TP27 | None | ..... | 211 | ..... | 242 | ..... | 5 kg | 50 kg | A | 40 |
| ..... | ..... | ..... | II | 6.1 | ..... | IB8, IP2, IP4, T11, TP2, TP27 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | 40 |
| ..... | ..... | ..... | III | 6.1 | ..... | IB8, IP3, T7, TP1, TP28 | 153 | ..... | 213 | ..... | 240 | ..... | 100 kg | 200 kg | A | 40 |
| Cresols | 6.1 | UN2076 | II | 6.1, 8 | ..... | IB8, IP2, IP4, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 30 L | B | ..... |
| Cresylic acid | 6.1 | UN2022 | II | 6.1, 8 | ..... | IB2, T7, TP2, TP13 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 30 L | B | ..... |
| Crotonaldehyde, stabilized | 6.1 | UN1143 | I | 6.1, 3 | ..... | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | B | 40 |
| ..... | ..... | ..... | III | 8 | ..... | IB3, T4, TP1 | 154 | ..... | 203 | ..... | 241 | ..... | 5 L | 60 L | A | 12 |
| Crotonic acid liquid | 8 | UN2823 | III | 8 | ..... | IB8, IP3 | 154 | ..... | 213 | ..... | 240 | ..... | 25 kg | 100 kg | A | 12 |
| Crotonic acid, solid | 8 | UN2823 | I | 3 | ..... | T11, TP2 | 150 | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | E | ..... |
| Crotonylene | 3 | UN1144 | II | 8, 6.1 | ..... | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 30 L | A | ..... |
| Cupriethylenediamine solution | 8 | UN1761 | III | 8, 6.1 | ..... | IB3, T7, TP1, TP28 | 154 | ..... | 203 | ..... | 242 | ..... | 5 L | 60 L | A | 95 |
| ..... | ..... | ..... | II | 1.4S | ..... | ..... | None | ..... | 62 | ..... | None | ..... | 25 kg | 100 kg | 05 | ..... |
| Cutters, cable, explosive | 1.4S | UN0070 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cyanide solutions, n.o.s. | 6.1 | UN1935 | I | 6.1 | ..... | B37, T14, TP2, TP13, TP27 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | B | 40, 52 |
| ..... | ..... | ..... | II | 6.1 | ..... | IB2, T11, TP2, TP13, TP27 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | 40, 52 |
| ..... | ..... | ..... | III | 6.1 | ..... | IB3, T7, TP2, TP13, TP28 | 153 | ..... | 203 | ..... | 241 | ..... | 60 L | 220 L | A | 40, 52 |
| Cyanides, inorganic, solid, n.o.s. | 6.1 | UN1588 | I | 6.1 | ..... | IB7, IP1, N74, N75 | None | ..... | 211 | ..... | 242 | ..... | 5 kg | 50 kg | A | 52 |
| ..... | ..... | ..... | II | 6.1 | ..... | IB8, IP2, IP4, N74, N75 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | 52 |
| ..... | ..... | ..... | III | 6.1 | ..... | IB8, IP3, N74, N75 | 153 | ..... | 213 | ..... | 240 | ..... | 100 kg | 200 kg | A | 52 |
| Cyanogen | 2.3 | UN1026 | ..... | 2.3, 2.1. | ..... | ..... | None | ..... | 304 | ..... | 245 | ..... | Forbidden | Forbidden | D | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Cyanogen bromide | 6.1 | UN1889 | I | 6.1, 8 | A6, A8 | None | 211 | 242 | 1 kg | 15 kg | D | 40 |
| | Cyanogen chloride, stabilized | 2.3 | UN1589 | ..... | 2.3, 8 | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| | Cyanuric chloride | 8 | UN2670 | II | 8 | IB8, IP2, IP4 | None | 212 | 240 | 15 kg | 50 kg | A | 12, 40 |
| | Cyanuric triazide | Forbidden | | | | | | | | | | | |
| | Cyclobutane | 2.1 | UN2601 | ..... | 2.1 | | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Cyclobutyl chloroformate | 6.1 | UN2744 | II | 6.1, 8, 3. | IB1, T7, TP2, TP13 | None | 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 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | Cycloheptene | 3 | UN2242 | II | 3 | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Cyclohexane | 3 | UN1145 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | Cyclohexanone | 3 | UN1915 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Cyclohexene | 3 | UN2256 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | Cyclohexenyltrichlorosilane | 8 | UN1762 | II | 8 | A7, B2, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | Cyclohexyl acetate | 3 | UN2243 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Cyclohexyl isocyanate | 6.1 | UN2488 | I | 6.1, 3 | 2, B9, B14, B32, B74, 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, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | Cyclonite and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | ..... |  |  |  |  |  |  |  |  |  |  |  |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|--|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Cyclotrimethylenetrinitramine and HMX mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized. | 1.1D | UN0483 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass. | 1.1D | UN0072 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | 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 | ..... | ..... |  | None | 222 | None | No limit | No limit | A | ..... |
| | Decaborane | 4.1 | UN1868 | II | 4.1, 6.1. | A19, A20, IB6, IP2 | None | 212 | None | Forbidden | 50 kg | A | ..... |
| | Decahydronaphthalene | 3 | UN1147 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | n-Decane | 3 | UN2247 | III | 3 | | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Deflagrating metal salts of aromatic nitroderivatives, n.o.s.. | 1.3C | UN0132 | II | 1.3C .. | B1, IB3, T2, TP1 | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| | <i>Delay electric igniter, see Igniters.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Depth charges, see Charges, depth.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Detonating relays, see Detonators, etc.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Detonator assemblies, non-electric for blasting. | 1.1B | UN0360 | II | 1.1B ... | | None | 62 | None | Forbidden | Forbidden | 11 | ..... |
| | Detonator assemblies, non-electric, for blasting. | 1.4B | UN0361 | II | 1.4B ... | 103 | 63(f), 63(g). | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Detonator assemblies, non-electric for blasting. | 1.4S | UN0500 | II | 1.4S ... | | 63(f), 63(g). | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Detonators, electric, for blasting | 1.1B | UN0030 | II | 1.1B ... | | 63(f), 63(g). | 62 | None | Forbidden | Forbidden | 11 | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|-----------|--------|-------|-----------|------------------|-----|------------------|-----------|-----------|-----------|-----------|----|-------|
| Detonators, electric, <i>for blasting</i> | 1.4B | UN0255 | II | 1.4B ... | | 103 | 63(f), 63(g). | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| Detonators, electric <i>for blasting</i> | 1.4S | UN0456 | II | 1.4S ... | | | 63(f), 63(g). | 62 | None ... | 25 kg | 100 kg | 05 | ..... |
| Detonators for ammunition | 1.1B | UN0073 | II | 1.1B ... | | | None ... | 62 | None ... | Forbidden | Forbidden | 11 | ..... |
| Detonators for ammunition | 1.2B | UN0364 | II | 1.2B ... | | | None ... | 62 | None ... | Forbidden | Forbidden | 11 | ..... |
| Detonators for ammunition | 1.4B | UN0365 | II | 1.4B ... | | 103 | None ... | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| Detonators for ammunition | 1.4S | UN0366 | II | 1.4S ... | | | None ... | 62 | None ... | 25 kg | 100 kg | 05 | ..... |
| Detonators, non-electric, <i>for blasting.</i> | 1.1B | UN0029 | II | 1.1B ... | | | None ... | 62 | None ... | Forbidden | Forbidden | 11 | ..... |
| Detonators, non-electric, <i>for blasting.</i> | 1.4B | UN0267 | II | 1.4B ... | | 103 | 63(f), 63(g). | 62 | None ... | Forbidden | 75 kg | 06 | ..... |
| Detonators, non-electric, <i>for blasting.</i> | 1.4S | UN0455 | II | 1.4S ... | | | 63(f), 63(g). | 62 | None ... | 25 kg | 100 kg | 5 | ..... |
| Deuterium, compressed | 2.1 | UN1957 | ..... | 2.1 | | | 306 | 302 | None ... | Forbidden | 150 kg | E | 40 |
| Devices, small, hydrocarbon gas powered or Hydrocarbon gas refills for small devices with release device. | 2.1 | UN3150 | ..... | 2.1 | | | 306 | 304 | None ... | Forbidden | 150 kg | B | 40 |
| Di-n-amylamine | 3 | UN2841 | III | 3, 6.1 | B1, IB3, T4, TP1 | | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Di-n-butyl peroxydicarbonate, with more than 52 percent in solution. | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Di-n-butylamine | 8 | UN2248 | II | 8, 3 | IB2, T7, TP2 | | None ... | 202 | 243 | 1 L | 30 L | A | ..... |
| 2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution. | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution. | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| 2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid. | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water. | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| 1,2-Di-(dimethylamino)ethane | 3 | UN2372 | II | 3 | IB2, T4, TP1 | | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate. | ..... |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Di-(1-hydroxytetrazole) (dry) | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Di-(1-naphthoyl) peroxide | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| a,a'-Di-(nitroxy) methylether | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Di-(beta-nitroxyethyl) ammonium nitrate. | Forbidden |  |  | ..... |  |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| Diacetone alcohol | 3 | UN1148 | II | 3 | IB2, T4, TP1 | | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| ..... | ..... |  | III | 3 | B1, IB3, T2, TP1 | | 150 | 203 | 242 | 60 L | 220 L | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|--|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass.</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diacetyl, see Butanedione</i> ..... | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diacetyl peroxide, solid, or with more than 25 percent in solution.</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Diallylamine | 3 | UN2359 | II | 3, 6.1, 8. | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 21, 40, 100 |
| | Diallylether | 3 | UN2360 | II | 3, 6.1 | IB2, N12, T7, TP1, TP13 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | 4,4'-Diaminodiphenyl methane ... | 6.1 | UN2651 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | <i>p-Diazoobenzene</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>1,2-Diazoethane</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>1,1'-Diazoaminonaphthalene</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diazoaminotetrazole (dry)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diazodinitrophenol (dry)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass.</i> | 1.1A | UN0074 | II | 1.1A | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| | <i>Diazodiphenylmethane</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diazonium nitrates (dry)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Diazonium perchlorates (dry)</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>1,3-Diazopropane</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | <i>Dibenzyl peroxydicarbonate, with more than 87 percent with water.</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Dibenzylchlorosilane | 8 | UN2434 | II | 8 | B2, IB2, T7, TP2, TP13 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| | Diborane, compressed | 2.3 | UN1911 | ..... | 2.3, 2.1. | | 1 None | 302 | None | Forbidden | Forbidden | D | 40, 57 |
| D | Diborane mixtures | 2.1 | NA1911 | ..... | 2.1 | | 5 None | 302 | 245 | Forbidden | Forbidden | D | 40, 57 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|---|------------|-----|--------|--|------|-----|-----------|-----------|-----------|---|--------|--|
| | <i>Dibromoacetylene</i> | Forbidden | | | | | | | | | | | |
| | 1,2-Dibromobutan-3-one | 6.1 UN2648 | II | 6.1 | IB2 | None | 202 | 243 | 5 L | 60 L | B | 40 | |
| | Dibromochloropropane | 6.1 UN2872 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 25 | |
| A | Dibromodifluoromethane, <i>R12B2</i> | 9 UN1941 | III | None | T11, TP2 | 155 | 203 | 241 | 100 L | 220 L | A | 25 | |
| | <i>1,2-Dibromoethane, see Ethylene dibromide.</i> | | | | | | | | | | | | |
| | Dibromomethane | 6.1 UN2664 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | | |
| | Dibutyl ethers | 3 UN1149 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | |
| | Dibutylaminoethanol | 6.1 UN2873 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | | |
| | <i>N,N'-Dichlorazodicarbonamide (salts of) (dry).</i> | Forbidden | | | | | | | | | | | |
| D | 1,1-Dichloro-1-nitroethane | 6.1 UN2650 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 12, 40 | |
| | 3,5-Dichloro-2,4,6-trifluoropyridine. | 6.1 NA9264 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | A | 40 | |
| | Dichloroacetic acid | 8 UN1764 | II | 8 | A3, A6, A7, B2, IB2, N34, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | A | | |
| | 1,3-Dichloroacetone | 6.1 UN2649 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | B | 12, 40 | |
| | Dichloroacetyl chloride | 8 UN1765 | II | 8 | A3, A6, A7, B2, B6, IB2, N34, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | D | 40 | |
| | <i>Dichloroacetylene</i> | Forbidden | | | | | | | | | | | |
| + | Dichloroanilines, liquid | 6.1 UN1590 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 | |
| + | Dichloroanilines, solid | 6.1 UN1590 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | 40 | |
| + | <i>o</i> -Dichlorobenzene | 6.1 UN1591 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | | |
| | 2,2'-Dichlorodiethyl ether | 6.1 UN1916 | II | 6.1, 3 | IB2, N33, N34, T7, TP2 | None | 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 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | | |
| | Dichlorodifluoromethane or Refrigerant gas R 12. | 2.2 UN1028 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | | |
| | Dichlorodimethyl ether, symmetrical. | 6.1 UN2249 | I | 6.1 | | None | 201 | 243 | Forbidden | Forbidden | D | 40 | |
| | 1,1-Dichloroethane | 3 UN2362 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 | |
| | <i>1,2-Dichloroethane, see Ethylene dichloride.</i> | | | | | | | | | | | | |
| | <i>Dichloroethyl sulfide</i> | Forbidden | | | | | | | | | | | |
| | 1,2-Dichloroethylene | 3 UN1150 | II | 3 | IB2, T7, TP2 | 150 | 202 | 242 | 5 L | 60 L | B | | |
| | Dichlorofluoromethane or Refrigerant gas R21. | 2.2 UN1029 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | | |
| | Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts. | 5.1 UN2465 | II | 5.1 | 28, IB8, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | A | 13 | |
| | Dichloroisopropyl ether | 6.1 UN2490 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | B | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-------|--------------|-------------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|------------|
| | | | | | | | 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) |
| | Dichloromethane | 6.1 | UN1593 | III | 6.1 | IB3, 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, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | B | 25, 40, 48 |
| | Dichlorophenyltrichlorosilane | 8 | UN1766 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 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 | None | 202 | 243 | 5 L | 60 L | A | 12, 40 |
| | <i>Dichloropropene and propylene dichloride mixture, see 1,2-Dichloropropane.</i> | | | | | | | | | | | | |
| | Dichloropropenes | 3 | UN2047 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| | Dichlorosilane | 2.3 | UN2189 | ..... | 2.3, 2.1, 8, | B1, IB3, T2, TP1 2, B9, B14 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | 1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114. | 2.2 | UN1958 | ..... | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| | <i>Dichlorovinylchloroarsine</i> | Forbidden | | | | | | | | | | | |
| | <i>Dicycloheptadiene, see Bicyclo [2,2,1] hepta-2,5-diene, stabilized.</i> | | | | | | | | | | | | |
| | Dicyclohexylamine | 8 | UN2565 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | |
| | Dicyclohexylammonium nitrite | 4.1 | UN2687 | III | 4.1 | IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | 48 |
| | 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 | 152 | 213 | 240 | 25 kg | 100 kg | A | |
| D | Diesel fuel | 3 | NA1993 | III | None | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | |
| I | Diesel fuel | 3 | UN1202 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | <i>Diethanol nitrosamine dinitrate (dry).</i> | Forbidden | | | | | | | | | | | |
| | Diethoxymethane | 3 | UN2373 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | |
| | 3,3-Diethoxypropene | 3 | UN2374 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| | Diethyl carbonate | 3 | UN2366 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|--|-----------|--------|-----|----------|---|------|-----|-----------|-----------|-----------|----|--------|--|
| <i>Diethyl cellosolve, see Ethylene glycol diethyl ether.</i> | | | | | | | | | | | | | |
| Diethyl ether or Ethyl ether | 3 | UN1155 | I | 3 | T11, TP2 | 150 | 201 | 243 | 1 L | 30 L | E | 40 | |
| Diethyl ketone | 3 | UN1156 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | | |
| <i>Diethyl peroxydicarbonate, with more than 27 percent in solution.</i> | Forbidden | | | | | | | | | | | | |
| Diethyl sulfate | 6.1 | UN1594 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | C | | |
| Diethyl sulfide | 3 | UN2375 | II | 3 | IB2, T7, TP1, TP13 | None | 202 | 243 | 5 L | 60 L | E | | |
| Diethylamine | 3 | UN1154 | II | 3, 8 | IB2, N34, T7, TP1 | None | 202 | 243 | 1 L | 5 L | E | 40 | |
| 2-Diethylaminoethanol | 8 | UN2686 | II | 8, 3 | B2, IB2, T7, TP2 | None | 202 | 243 | 1 L | 30 L | A | | |
| Diethylaminopropylamine | 3 | UN2684 | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | | |
| N, N-Diethylaniline | 6.1 | UN2432 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | | |
| Diethylbenzene | 3 | UN2049 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | |
| Diethyldichlorosilane | 8 | UN1767 | II | 8, 3 | A7, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 243 | Forbidden | 30 L | C | 40 | |
| <i>Diethylene glycol dinitrate</i> | Forbidden | | | | | | | | | | | | |
| Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble phlegmatizer, by mass. | 1.1D | UN0075 | II | 1.1D | | None | 62 | None | Forbidden | Forbidden | 13 | 21E | |
| Diethylenetriamine | 8 | UN2079 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | 40 | |
| N,N-Diethylethylenediamine | 8 | UN2685 | II | 8, 3 | IB2, T7, TP2 | None | 202 | 243 | 1 L | 30 L | A | | |
| <i>Diethylgold bromide</i> | Forbidden | | | | | | | | | | | | |
| Diethylthiophos-phoryl chloride .. | 8 | UN2751 | II | 8 | B2, IB2, T7, TP2 | None | 212 | 240 | 15 kg | 50 kg | D | 12, 40 | |
| Diethylzinc | 4.2 | UN1366 | I | 4.2, 4.3 | B11, T21, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | 18 | |
| <i>Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes.</i> | | | | | | | | | | | | | |
| 1,1-Difluoroethane or Refrigerant gas R 152a. | 2.1 | UN1030 | | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 | |
| 1,1-Difluoroethylene or Refrigerant gas R 1132a. | 2.1 | UN1959 | | 2.1 | | 306 | 304 | None | Forbidden | 150 kg | E | 40 | |
| Difluoromethane or Refrigerant gas R 32. | 2.1 | UN3252 | | 2.1 | T50 | 306 | 302 | 314, 315. | Forbidden | 150 kg | D | 40 | |
| Difluorophosphoric acid, anhydrous. | 8 | UN1768 | II | 8 | A6, A7, B2, IB2, N5, N34, T8, TP2, TP12 | None | 202 | 242 | 1 L | 30 L | A | 40 | |
| 2,3-Dihydropryan | 3 | UN2376 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | | |
| <i>1,8-Dihydroxy-2,4,5,7-tetranitroanthraquinone (chrysaminic acid).</i> | Forbidden | | | | | | | | | | | | |
| <i>Diiodoacetylene</i> | Forbidden | | | | | | | | | | | | |
| Diisobutyl ketone | 3 | UN1157 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | |
| Diisobutylamine | 3 | UN2361 | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|---|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Diisobutylene, isomeric com-pounds. | 3 | UN2050 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Diisooctyl acid phosphate | 8 | UN1902 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Diisopropyl ether | 3 | UN1159 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | 40 |
| | Diisopropylamine | 3 | UN1158 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | ..... |
| | <i>Diisopropylbenzene hydroperoxide, with more than 72 percent in solution.</i> | Forbidden | | | | | | | | | | | |
| | Diketene, stabilized | 6.1 | UN2521 | I | 6.1, 3 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40, 49 |
| | 1,2-Dimethoxyethane | 3 | UN2252 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | 1,1-Dimethoxyethane | 3 | UN2377 | II | 3 | IB2, T7, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Dimethyl carbonate | 3 | UN1161 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | <i>Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride.</i> | Forbidden | | | | | | | | | | | |
| | <i>2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water.</i> | Forbidden | | | | | | | | | | | |
| | Dimethyl disulfide | 3 | UN2381 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | Dimethyl ether | 2.1 | UN1033 | ..... | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Dimethyl-N-propylamine | 3 | UN2266 | II | 3, 8 | IB2, T7, TP2, TP13 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| | Dimethyl sulfate | 6.1 | UN1595 | I | 6.1, 8 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Dimethyl sulfide | 3 | UN1164 | II | 3 | IB1, T7, TP2 | None | 202 | 242 | 5 L | 60 L | E | 40 |
| | Dimethyl thiophosphoryl chloride | 6.1 | UN2267 | II | 6.1, 8 | IB2, T7, TP2 | None | 202 | 243 | 1 L | 30 L | B | 25 |
| | Dimethylamine, anhydrous | 2.1 | UN1032 | ..... | 2.1 | T50 | None | 304 | 314, 315. | Forbidden | 150 kg | D | 40 |
| | Dimethylamine solution | 3 | UN1160 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | ..... |
| | 2-Dimethylaminoacetonitrile | 3 | UN2378 | II | 3, 6.1 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 60 L | A | 26, 40 |
| | 2-Dimethylaminoethanol | 8 | UN2051 | II | 8, 3 | B2, IB2, T7, TP2 | 154 | 202 | 243 | 1 L | 30 L | A | ..... |
| | 2-Dimethylaminoethyl acrylate ... | 6.1 | UN3302 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | D | 25 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|--|-----------|--------|-------|------------|-------|---|------|-------|-----|-------|-----------|-------|-----------|-----------|---|-----------------|
| 2-Dimethylaminoethyl methacrylate. | 6.1 | UN2522 | II | 6.1 | ..... | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | B | 40 |
| N,N-Dimethylaniline | 6.1 | UN2253 | II | 6.1 | ..... | IB1, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| 2,3-Dimethylbutane | 3 | UN2457 | II | 3 | ..... | IB2, T7, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | E | ..... |
| 1,3-Dimethylbutylamine | 3 | UN2379 | II | 3, 8 | ..... | IB2, T7, TP1 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 5 L | B | ..... |
| Dimethylcarbamoyl chloride | 8 | UN2262 | II | 8 | ..... | B2, IB2, T7, TP2 | 154 | ..... | 202 | ..... | 242 | ..... | 1 L | 30 L | A | 40 |
| Dimethylcyclohexanes | 3 | UN2263 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| Dimethylcyclohexylamine | 8 | UN2264 | II | 8, 3 | ..... | B2, IB2, T7, TP2 | 154 | ..... | 202 | ..... | 243 | ..... | 1 L | 30 L | A | 40 |
| Dimethyldichlorosilane | 3 | UN1162 | II | 3, 8 | ..... | B77, IB2, T7, TP2, TP13 | None | ..... | 202 | ..... | 243 | ..... | Forbidden | Forbidden | B | 40 |
| Dimethyldiethoxysilane | 3 | UN2380 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| 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, A7, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | D | 40 |
| Dimethylhydrazine, unsymmetrical. | 6.1 | UN1163 | I | 6.1, 3, 8. | ..... | 2, B7, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | D | 21, 38, 40, 100 |
| 2,2-Dimethylpropane | 2.1 | UN2044 | ..... | 2.1 | ..... |  | 306 | ..... | 304 | ..... | 314, 315. | ..... | Forbidden | 150 kg | E | 40 |
| Dimethylzinc | 4.2 | UN1370 | I | 4.2, 4.3. | ..... | B11, B16, T21, TP2, TP7 | None | ..... | 181 | ..... | 244 | ..... | Forbidden | Forbidden | D | 18 |
| Dinitro-o-cresol, solid | 6.1 | UN1598 | II | 6.1 | ..... | IB8, IP2, IP4, T7, TP2 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | ..... |
| Dinitro-o-cresol, solution | 6.1 | UN1598 | II | 6.1 | ..... | IB2, IP2, IP4, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| 1,3-Dinitro-5-dimethyl hydantoin. | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| Dinitro-7,8-dimethylglycoluril (dry). | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| 1,3-Dinitro-4,5-dinitrosobenzene | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| 1,4-Dinitro-1,1,4,4-tetramethylbutanetetranitrate (dry). | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| 2,4-Dinitro-1,3,5-trimethylbenzene. | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| Dinitroanilines | 6.1 | UN1596 | II | 6.1 | ..... | IB8, IP2, IP4, T7, TP2 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | 91 |
| Dinitrobenzenes, liquid | 6.1 | UN1597 | II | 6.1 | ..... | 11, IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | 91 |
| Dinitrobenzenes, solid | 6.1 | UN1597 | II | 6.1 | ..... | 11, IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | 91 |
| Dinitrochlorobenzene, see Chlorodinitrobenzene. |  |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| 1,2-Dinitroethane | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |
| 1,1-Dinitroethane (dry) | Forbidden |  |  |  | ..... |  |  | ..... |  | ..... |  | ..... |  |  |  | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|--|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | 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 |
| | Dinitroglucoluril or Dingu | 1.1D | UN0489 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | <i>Dinitromethane</i> | Forbidden | | | | | | | | | | | |
| | Dinitrophenol, <i>dry or wetted with less than 15 percent water, by mass.</i> | 1.1D | UN0076 | II | 1.1D, 6.1. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| | Dinitrophenol solutions | 6.1 | UN1599 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 36 |
| | Dinitrophenol, <i>wetted with not less than 15 percent water, by mass.</i> | 4.1 | UN1320 | I | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 36 |
| | Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 percent water, by mass.</i> | 1.3C | UN0077 | II | 4.1, 6.1. | 23, A8, A19, A20, N41 | None | 211 | None | 1 kg | 15 kg | E | 28, 36 |
| | Dinitrophenolates, <i>wetted with not less than 15 percent water, by mass.</i> | 4.1 | UN1321 | I | 1.3C, 6.1. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| | <i>Dinitropropylene glycol</i> | Forbidden | | | | | | | | | | | |
| | Dinitroresorcinol, <i>dry or wetted with less than 15 percent water, by mass.</i> | 1.1D | UN0078 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| | 2,4-Dinitroresorcinol (heavy metal salts of) (dry). | Forbidden | | | | | | | | | | | |
| | 4,6-Dinitroresorcinol (heavy metal salts of) (dry). | Forbidden | | | | | | | | | | | |
| | Dinitroresorcinol, <i>wetted with not less than 15 percent water, by mass.</i> | 4.1 | UN1322 | I | 4.1 | 23, A8, A19, A20, N41 | None | 211 | None | 1 kg | 15 kg | E | 28, 36 |
| | 3,5-Dinitrosalicylic acid (lead salt) (dry). | Forbidden | | | | | | | | | | | |
| | Dinitrosobenzene | 1.3C | UN0406 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Dinitrosobenzylamidine and salts of (dry). | Forbidden | | | | | | | | | | | |
| | 2,2-Dinitrostilbene | Forbidden | | | | | | | | | | | |
| | Dinitrotoluenes, <i>liquid</i> | 6.1 | UN2038 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | Dinitrotoluenes, <i>molten</i> | 6.1 | UN1600 | II | 6.1 | T7, TP3 | None | 202 | 243 | Forbidden | Forbidden | C | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|-----------|--------|-----|------|--|------|-----|------|-----------|-----------|----|-------|
| Dinitrotoluenes, solid | 6.1 | UN2038 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| <i>1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry).</i> | Forbidden |  |  |  |  |  |  |  |  |  |  | ..... |
| Dioxane | 3 | UN1165 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Dioxolane | 3 | UN1166 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| Dipentene | 3 | UN2052 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Diphenylamine chloroarsine | 6.1 | UN1698 | I | 6.1 | | None | 201 | None | Forbidden | Forbidden | D | 40 |
| Diphenylchloroarsine, liquid | 6.1 | UN1699 | I | 6.1 | A8, B14, B32, N33, N34, T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | D | 40 |
| Diphenylchloroarsine, solid | 6.1 | UN1699 | I | 6.1 | A8, B14, B32, IB7, IP1, N33, N34 | None | 211 | 242 | Forbidden | 15 kg | D | 40 |
| Diphenyldichlorosilane | 8 | UN1769 | II | 8 | A7, B2, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| Diphenylmethyl bromide | 8 | UN1770 | II | 8 | IB8, IP2, IP4 | 154 | 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 | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| Dipicryl sulfide, wetted with not less than 10 percent water, by mass. | 4.1 | UN2852 | I | 4.1 | A2, N41 | None | 211 | None | Forbidden | 0.5 kg | D | 28 |
| Dipicrylamine, see Hexanitrodiphenylamine. | Forbidden |  |  |  |  |  |  |  |  |  |  | ..... |
| Dipropionyl peroxide, with more than 28 percent in solution. | Forbidden |  |  |  |  |  |  |  |  |  |  | ..... |
| Di-n-propyl ether | 3 | UN2384 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Dipropyl ketone | 3 | UN2710 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Dipropylamine | 3 | UN2383 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | ..... |
| G Disinfectant, liquid, corrosive, n.o.s.. | 8 | UN1903 | I | 8 | A7, B10, T14, TP2, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | B | ..... |
| G Disinfectants, liquid, corrosive n.o.s.. | 8 | UN1903 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | B | ..... |
| G Disinfectants, liquid, toxic, n.o.s. | 6.1 | UN3142 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| ..... |  |  | I | 6.1 | A4, T14, TP2, TP27 | None | 201 | 243 | 1 L | 30 L | A | 40 |
| ..... |  |  | II | 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| ..... |  |  | III | 6.1 | IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| G Disinfectants, solid, toxic, n.o.s. | 6.1 | UN1601 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| ..... |  |  | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| Disodium trioxosilicate | 8 | UN3253 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| G Dispersant gases, n.o.s. see Refrigerant gases, n.o.s.. | ..... |  |  |  |  |  |  |  |  |  |  | ..... |
| Divinyl ether, stabilized | 3 | UN1167 | I | 3 | T11, TP2 | None | 201 | 243 | 1 L | 30 L | E | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Dodecyltrichlorosilane | 8 | UN1771 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | Dry ice, see Carbon dioxide, solid. | | | | | | | | | | | | |
| G | Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, cor-rosive, n.o.s.. | 8 | UN2801 | I | 8 | 11, B10, T14, TP2, TP27 | None | 201 | 243 | 0.5 L | 2.5 L | A | |
| | | | | II | 8 | 11, B2, IB2, T11, TP2, TP27 | 154 | 202 | 242 | 1 L | 30 L | A | |
| | | | | III | 8 | 11, IB3, T7, TP1, TP28 | 154 | 203 | 241 | 5 L | 60 L | A | |
| G | Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.. | 6.1 | UN1602 | II | 6.1 | IB2 | None | 202 | 243 | 5 L | 60 L | A | |
| | | | | III | 6.1 | IB3 | 153 | 203 | 241 | 60 L | 220 L | A | |
| G | Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, cor-rosive, n.o.s.. | 8 | UN3147 | I | 8 | IB7, IP1 | None | 211 | 242 | 1 kg | 25 kg | A | |
| | | | | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | |
| | | | | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | |
| G | Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.. | 6.1 | UN3143 | I | 6.1 | A5, IB7, IP1, T14, TP2, TP27 | None | 211 | 242 | 5 kg | 50 kg | A | |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | |
| | <i>Dynamite, see Explosive, blast-ing, type A.</i> | | | | | | | | | | | | |
| | <i>Electrolyte (acid or alkali) for batteries, see Battery fluid, acid or Battery fluid, alkali.</i> | | | | | | | | | | | | |
| | Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point. | 3 | UN3256 | III | 3 | IB1, T3, TP3, TP29 | None | None | 247 | Forbidden | Forbidden | A | |

172

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|---|---|-----------|--------|-------|--------|-------|-------------------------|-------------|-------|-------|-------|-----------|-------|-----------|-----------|-----------|-------|----|
| | 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 | | None | | 247 | | Forbidden | Forbidden | A | 85 | |
| | Elevated temperature solid, n.o.s., at or above 240 C, see § 173.247(h)(4). | 9 | UN3258 | III | 9 | | | 247(h) (4). | None | | None | | 247 | | Forbidden | Forbidden | A | 85 |
| | Engines, internal combustion, flammable gas powered. | 9 | UN3166 | ..... | 9 | ..... | 135 | 220 | ..... | 220 | ..... | 220 | ..... | Forbidden | No limit | A | ..... |  |
| | Engines, internal combustion, flammable liquid powered. | 9 | UN3166 | ..... | 9 | ..... | 135 | 220 | ..... | 220 | ..... | 220 | ..... | No limit | No limit | A | ..... |  |
| G | Environmentally hazardous substances, liquid, n.o.s.. | 9 | UN3082 | III | 9 | ..... | 8, IB3, T4, TP1, TP29 | 155 | ..... | 203 | ..... | 241 | ..... | No limit | No limit | A | ..... |  |
| G | Environmentally hazardous substances, solid, n.o.s.. | 9 | UN3077 | III | 9 | ..... | 8, B54, IB8, N20 | 155 | ..... | 213 | ..... | 240 | ..... | No limit | No limit | A | ..... |  |
| | Epibromohydrin | 6.1 | UN2558 | I | 6.1, 3 | ..... | T14, TP2, TP13 | None | ..... | 201 | ..... | 243 | ..... | Forbidden | Forbidden | D | 40 | |
| + | Epichlorohydrin | 6.1 | UN2023 | II | 6.1, 3 | ..... | IB2, T7, TP2, TP13 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | 40 | |
| | 1,2-Epoxy-3-ethoxypropane | 3 | UN2752 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |  |
| | Esters, n.o.s. | 3 | UN3272 | II | 3 | ..... | IB2, T7, TP1, TP8, TP28 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |  |
|  | ..... | ..... | ..... | III | 3 | ..... | B1, IB3, T4, TP1, TP29 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |  |
| | Etching acid, liquid, n.o.s., see Hydrofluoric acid, solution etc. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| | Ethane | 2.1 | UN1035 | ..... | 2.1 | ..... |  | 306 | ..... | 304 | ..... | 302 | ..... | Forbidden | 150 kg | E | 40 | |
| D | Ethane-Propane mixture, refrigerated liquid. | 2.1 | NA1961 | ..... | 2.1 | ..... | T75, TP5 | None | ..... | 316 | ..... | 314, 315. | ..... | Forbidden | Forbidden | D | 40 | |
| | Ethane, refrigerated liquid | 2.1 | UN1961 | ..... | 2.1 | ..... | T75, TP5 | None | ..... | None | ..... | 315 | ..... | Forbidden | Forbidden | D | 40 | |
| | Ethanol amine dinitrate | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| | Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions. | 3 | UN1170 | II | 3 | ..... | 24, IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | A | ..... |  |
|  | ..... | ..... | ..... | III | 3 | ..... | 24, B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |  |
| | Ethanolamine or Ethanolamine solutions. | 8 | UN2491 | III | 8 | ..... | IB3, T4, TP1 | 154 | ..... | 203 | ..... | 241 | ..... | 5 L | 60 L | A | ..... |  |
| | Ether, see Diethyl ether | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| | Ethers, n.o.s. | 3 | UN3271 | II | 3 | ..... | IB2, T7, TP1, TP8, TP28 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |  |
|  | ..... | ..... | ..... | III | 3 | ..... | B1, IB3, T4, TP1, TP29 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |  |
| | Ethyl acetate | 3 | UN1173 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |  |
| | Ethyl acrylate, stabilized | 3 | UN1917 | II | 3 | ..... | IB2, T4, TP1, TP13 | 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 | ..... |  |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | 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, T7, TP2, TP13 | None | 202 | 243 | 5 L | 60 L | B | 40, 85 |
| | Ethyl bromoacetate | 6.1 | UN1603 | II | 6.1, 3 | IB2, T7, TP2 | None | 202 | 243 | Forbidden | Forbidden | D | 40 |
| | Ethyl butyl ether | 3 | UN1179 | II | 3 | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Ethyl butyrate | 3 | UN1180 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ethyl chloride | 2.1 | UN1037 | ..... | 2.1 | B77, T50 | None | 322 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Ethyl chloroacetate | 6.1 | UN1181 | II | 6.1, 3 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | Ethyl chloroformate | 6.1 | UN1182 | I | 6.1, 3, 8. | 2, A3, A6, A7, B9, B14, B32, B74, 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 | ..... |
| + | Ethyl chlorothioformate | 8 | UN2826 | II | 8, 6.1, 3. | 2, B9, B14, B32, B74, T20, TP2, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | A | 40 |
| | Ethyl crotonate | 3 | UN1862 | II | 3 | IB2, T4, TP2 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Ethyl ether, see Diethyl ether ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Ethyl fluoride or Refrigerant gas R161. | 2.1 | UN2453 | ..... | 2.1 ..... | ..... | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| | Ethyl formate | 3 | UN1190 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | Ethyl hydroperoxide | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Ethyl isobutyrate | 3 | UN2385 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| + | Ethyl isocyanate | 3 | UN2481 | I | 3, 6.1 | 1, A7, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| | Ethyl lactate | 3 | UN1192 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ethyl mercaptan | 3 | UN2363 | I | 3 | T11, TP2, TP13 | None | 201 | 243 | Forbidden | 30 L | E | 95, 102 |
| | Ethyl methacrylate | 3 | UN2277 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Ethyl methyl ether | 2.1 | UN1039 | ..... | 2.1 ..... | ..... | None | 201 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Ethyl methyl ketone or Methyl ethyl ketone. | 3 | UN1193 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Ethyl nitrite solutions | 3 | UN1194 | I | 3, 6.1 | ..... | None | 201 | None | Forbidden | Forbidden | E | 40, 105 |
| | Ethyl orthoformate | 3 | UN2524 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |

174

| | | | | | | | | | | | | | |
|---|--|-----------|--------|-------|------------|--|------------|-----------|-----------|-----------|-----------|---|---------------------|
| | Ethyl oxalate | 6.1 | UN2525 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | <i>Ethyl perchlorate</i> | Forbidden | | | | | | | | | | | |
| D | Ethyl phosphonothioic dichloride, anhydrous. | 6.1 | NA2927 | I | 6.1, 8 | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| D | Ethyl phosphonous dichloride, anhydrous <i>pyrophoric liquid</i> . | 6.1 | NA2845 | I | 6.1, 4.2. | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 18 |
| D | Ethyl phosphorodichloridate | 6.1 | NA2927 | I | 6.1, 8 | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Ethyl propionate | 3 | UN1195 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Ethyl propyl ether | 3 | UN2615 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | <i>Ethyl silicate, see Tetraethyl silicate.</i> | | | | | | | | | | | | |
| | Ethylacetylene, stabilized | 2.1 | UN2452 | ..... | 2.1 | | None | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Ethylamine | 2.1 | UN1036 | ..... | 2.1 | B77, T50 | None | 321 | 314, 315. | Forbidden | 150 kg | D | 40 |
| | Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine. | 3 | UN2270 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| | N-Ethylaniline | 6.1 | UN2272 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | 2-Ethylaniline | 6.1 | UN2273 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Ethylbenzene | 3 | UN1175 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | N-Ethylbenzyltoluidines liquid | 6.1 | UN2753 | III | 6.1 | IB3, T7, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | N-Ethylbenzyltoluidines solid | 6.1 | UN2753 | III | 6.1 | IB8, IP3, T7, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | 2-Ethylbutanol | 3 | UN2275 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ethylbutyl acetate | 3 | UN1177 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | 2-Ethylbutyraldehyde | 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, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Ethylchlorosilane | 4.3 | UN1183 | I | 4.3, 8, 3. | A2, A3, A7, N34, T10, TP2, TP7, TP13 | None | 201 | 244 | Forbidden | 1 L | D | 21, 28, 40, 49, 100 |
| | Ethylene, acetylene and propylene in mixture, refrigerated liquid with at least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene. | 2.1 | UN3138 | ..... | 2.1 | T75, TP5 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Ethylene chlorohydrin | 6.1 | UN1135 | I | 6.1, 3 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Ethylene, compressed | 2.1 | UN1962 | ..... | 2.1 | | 306 | 304 | 302 | Forbidden | 150 kg | E | 40 |
| | Ethylene diamine diperchlorate .. | Forbidden | | | | | | | | | | | |
| | Ethylene dibromide | 6.1 | UN1605 | I | 6.1 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | <i>Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures.</i> | | | | | | | | | | | | |
| | Ethylene dichloride | 3 | UN1184 | II | 3, 6.1 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Ethylene glycol diethyl ether | 3 | UN1153 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <i>Ethylene glycol dinitrate</i> | Forbidden | | | | | | | | | | | |
| | Ethylene glycol monoethyl ether | 3 | UN1171 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ethylene glycol monoethyl ether acetate. | 3 | UN1172 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ethylene glycol monomethyl ether. | 3 | UN1188 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ethylene glycol monomethyl ether acetate. | 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 | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | |
|---|-------|--------|-------|-----------|-------|---|-------|-------|-------|-------|-----------|-----------|-----------|-------|-------------------------|
| 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 |
| Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide. | 2.2 | UN3299 | ..... | 2.2 | ..... | T50 | 306 | ..... | 304 | ..... | 314, 315. | 75 kg | 150 kg | A | ..... |
| Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1MPa (10 bar) at 50 degrees C. | 2.3 | UN1040 | ..... | 2.3, 2.1. | ..... | 4, T50, TP20 | None | ..... | 323 | ..... | 323 | Forbidden | 25 kg | D | 40 |
| Ethylene, refrigerated liquid (cryogenic liquid). | 2.1 | UN1038 | ..... | 2.1 | ..... | T75, TP5 | None | ..... | 316 | ..... | 318, 319. | Forbidden | Forbidden | D | 40 |
| Ethylenediamine | 8 | UN1604 | II | 8, 3 | ..... | IB2, T7, TP2 | 154 | ..... | 202 | ..... | 243 | 1 L | 30 L | A | 40 |
| Ethyleneimine, stabilized | 6.1 | UN1185 | I | 6.1, 3 | ..... | 1, B9, B14, B30, B72, B77, N25, N32, T22, TP2, TP13, TP38, TP44 | None | ..... | 226 | ..... | 244 | Forbidden | Forbidden | D | 40 |
| <i>Ethylhexaldehyde, see Octyl aldehydes etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2-Ethylhexyl chloroformate | 6.1 | UN2748 | II | 6.1, 8 | ..... | IB2, T7, TP2, TP13 | None | ..... | 202 | ..... | 243 | 1 L | 30 L | A | 12, 13, 21, 25, 40, 100 |
| 2-Ethylhexylamine | 3 | UN2276 | III | 3, 8 | ..... | B1, IB3, T4, TP1 | 150 | ..... | 203 | ..... | 242 | 5 L | 60 L | A | 40 |
| Ethylphenyldichlorosilane | 8 | UN2435 | II | 8 | ..... | A7, B2, IB2, N34, T7, TP2, TP13 | None | ..... | 202 | ..... | 242 | Forbidden | 30 L | C | ..... |
| 1-Ethylpiperidine | 3 | UN2386 | II | 3, 8 | ..... | IB2, T7, TP1 | None | ..... | 202 | ..... | 243 | 1 L | 5 L | B | ..... |
| N-Ethyltoluidines | 6.1 | UN2754 | II | 6.1 | ..... | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | 5 L | 60 L | A | ..... |
| Ethyltrichlorosilane | 3 | UN1196 | II | 3, 8 | ..... | A7, IB1, N34, T7, TP2, TP13 | None | ..... | 202 | ..... | 243 | 1 L | 5 L | B | 40 |
| <i>Etiologic agent, see Infectious substances, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Explosive articles, see Articles, explosive, n.o.s. etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Explosive, blasting, type A | 1.1D | UN0081 | II | 1.1D | .. | ..... | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 10 | 21E |
| Explosive, blasting, type B | 1.1D | UN0082 | II | 1.1D | .. | ..... | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 10 | ..... |
| Explosive, blasting, type B or Agent blasting, Type B. | 1.5D | UN0331 | II | 1.5D | .. | 105, 106 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 10 | ..... |
| Explosive, blasting, type C | 1.1D | UN0083 | II | 1.1D | .. | 123 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 10 | 22E |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Explosive, blasting, type D | 1.1D | UN0084 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Explosive, blasting, type E | 1.1D | UN0241 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 19E |
| | Explosive, blasting, type E or Agent blasting, Type E. <i>Explosive, forbidden. See § 173.54.</i> <i>Explosive substances, see Substances, explosive, n.o.s. etc.</i> <i>Explosives, slurry, see Explosive, blasting, type E.</i> <i>Explosives, water gels, see Explosive, blasting, type E.</i> | 1.5D | UN0332 | II | 1.5D .. | 105, 106 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Forbidden | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Extracts, aromatic, liquid | 3 | UN1169 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Extracts, flavoring, liquid | 3 | UN1197 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <i>Fabric with animal or vegetable oil, see Fibers or fabrics, etc.</i> |  |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Ferric arsenate | 6.1 | UN1606 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Ferric arsenite | 6.1 | UN1607 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Ferric chloride, anhydrous | 8 | UN1773 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Ferric chloride, solution | 8 | UN2582 | III | 8 | B15, IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Ferric nitrate | 5.1 | UN1466 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Ferrocerium | 4.1 | UN1323 | II | 4.1 | 59, A19, IB8, IP2, IP4 | 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, IB8, IP4 | 151 | 213 | 240 | 25 kg | 100 kg | A | 13, 40, 85, 103 |
| | Ferrous arsenate | 6.1 | UN1608 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| D | Ferrous chloride, solid | 8 | NA1759 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| D | Ferrous chloride, solution | 8 | NA1760 | II | 8 | B3, IB2, T11, TP2, TP27 | 154 | 202 | 242 | 1 L | 30 L | B | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|---|--|--|-------|--------|-------|-------|-------|---------------------------|-------|-------|--------------|-----------|-----------|-------|-------------|
| | | | | 4.2 | UN2793 | III | 4.2 | .... | A1, A19, IB8, IP3, IP6 | None | 213 | 241 | 25 kg | 100 kg | A | ..... |
| | | | | 2.2 | UN1043 | ..... | 2.2 | .... |  | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| A | W | | | 4.2 | UN1373 | III | 4.2 | .... | 137, IB8, IP3 | None | 213 | 241 | Forbidden | Forbidden | A | ..... |
| | | | | 4.1 | UN1353 | III | 4.1 | .... | A1, IB8, IP3 | None | 213 | 240 | 25 kg | 100 kg | D | ..... |
| | | | | | | | | | | | | | | | | |
| | | | | 4.1 | UN1324 | III | 4.1 | .... |  | None | 183 | None | 25 kg | 100 kg | D | 91 |
| | | | | 8 | UN1774 | II | 8 | ..... | N41 | 154 | 202 | None | 1 L | 30 L | A | ..... |
| | | | | 2.2 | UN1044 | ..... | 2.2 | .... | 18, 110 | 309 | 309 | None | 75 kg | 150 kg | A | ..... |
| | | | | 4.1 | UN2623 | III | 4.1 | .... | A1, A19 | None | 213 | None | 25 kg | 100 kg | A | ..... |
| | | | | 1.1G | UN0333 | II | 1.1G | .. | 108 | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | | | | 1.2G | UN0334 | II | 1.2G | .. | 108 | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | | | | 1.3G | UN0335 | II | 1.3G | .. | 108 | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | | | | 1.4G | UN0336 | II | 1.4G | .. | 108 | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | | | | 1.4S | UN0337 | II | 1.4S | ... | 108 | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | | | | 9 | UN3316 | ..... | 9 | ..... | 15 | None | None | None | 10 kg | 10 kg | A | ..... |
| W | | | | 9 | UN2216 | III | None | | IB8 | 155 | 218 | 218 | No limit | No limit | A | 88 |
| | | | | 4.2 | UN1374 | II | 4.2 | .... | A1, A19, IB8, IP2 | None | 212 | 241 | 15 kg | 50 kg | A | 119, 120 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|--|----------------------------|----------------------------|-----|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------------|
| | | | | | | | 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>Flammable gas in lighters, see Lighters or lighter refills, ciga- rettes, containing flammable gas.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| G | Flammable liquid, toxic, corro- sive, n.o.s.. | 3 | UN3286 | I | 3, 6.1, 8. | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 2.5 L | E | 21, 40, 100 |
|  | ..... | ..... | ..... | II | 3, 6.1, 8. | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 5 L | B | 21, 40, 100 |
| G | Flammable liquids, corrosive, n.o.s.. | 3 | UN2924 | I | 3, 8 | T14, TP2 | None | 201 | 243 | 0.5 L | 2.5 L | E | 40 |
|  | ..... | ..... | ..... | II | 3, 8 | IB2, T11, TP2, TP27 | None | 202 | 243 | 1 L | 5 L | B | 40 |
|  | ..... | ..... | ..... | III | 3, 8 | B1, IB3, T7, TP1, TP28 | 150 | 203 | 242 | 5 L | 60 L | A | 40 |
| G | Flammable liquids, n.o.s. | 3 | UN1993 | I | 3 | T11, TP1 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |
|  | ..... | ..... | ..... | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... | ..... | ..... | III | 3 | B1, B52, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| G | Flammable liquids, toxic, n.o.s. .. | 3 | UN1992 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | E | 40 |
|  | ..... | ..... | ..... | II | 3, 6.1 | IB2, T7, TP2, TP13 | None | 202 | 243 | 1 L | 60 L | B | 40 |
|  | ..... | ..... | ..... | III | 3, 6.1 | B1, IB3, T7, TP1, TP28 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| G | Flammable solid, corrosive, inor- ganic, n.o.s.. | 4.1 | UN3180 | II | 4.1, 8 | A1, IB6, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | D | 40 |
|  | ..... | ..... | ..... | III | 4.1, 8 | A1, IB6 | 151 | 213 | 242 | 25 kg | 100 kg | D | 40 |
| G | Flammable solid, inorganic, n.o.s.. | 4.1 | UN3178 | II | 4.1 | A1, IB8, IP2, IP4 | 151 | 212 | 240 | 15 kg | 50 kg | B | ..... |
|  | ..... | ..... | ..... | III | 4.1 | A1, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | B | ..... |
| G | Flammable solid, organic, mol- ten, n.o.s.. | 4.1 | UN3176 | II | 4.1 | IB1, T3, TP3, TP26 | 151 | 212 | 240 | Forbidden | Forbidden | C | ..... |
|  | ..... | ..... | ..... | III | 4.1 | IB1, T1, TP3, TP26 | 151 | 213 | 240 | Forbidden | Forbidden | C | ..... |
| G | Flammable solid, oxidizing, n.o.s.. | 4.1 | UN3097 | II | 4.1, 5.1. | 131 | None | 214 | 214 | Forbidden | Forbidden | E | 40 |
|  | ..... | ..... | ..... | III | 4.1, 5.1. | 131 | None | 214 | 214 | Forbidden | Forbidden | D | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|---|------|--------|-------|--------------|---|------|-----|------|-----------|-----------|----|------------|
| G | Flammable solid, toxic, inorganic, n.o.s. | 4.1 | UN3179 | II | 4.1, 6.1 | A1, IB6, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | B | 40 |
| | | | | III | 4.1, 6.1 | A1, IB6 | 151 | 213 | 242 | 25 kg | 100 kg | B | 40 |
| G | Flammable solids, corrosive, organic, n.o.s. | 4.1 | UN2925 | II | 4.1, 8 | A1, IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | D | 40 |
| | | | | III | 4.1, 8 | A1, IB6 | 151 | 213 | 242 | 25 kg | 100 kg | D | 40 |
| G | Flammable solids, organic, n.o.s. | 4.1 | UN1325 | II | 4.1 | A1, IB8, IP2, IP4, T3, TP1 | 151 | 212 | 240 | 15 kg | 50 kg | B | ..... |
| | | | | III | 4.1 | A1, IB8, IP3, T1, TP1 | 151 | 213 | 240 | 25 kg | 100 kg | B | ..... |
| G | Flammable solids, toxic, organic, n.o.s. | 4.1 | UN2926 | II | 4.1, 6.1 | A1, IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | B | 40 |
| | | | | III | 4.1, 6.1 | A1, IB6 | 151 | 213 | 242 | 25 kg | 100 kg | B | 40 |
| | Flares, aerial | 1.3G | UN0093 | II | 1.3G .. | | None | 62 | None | Forbidden | 75 kg | 07 | ..... |
| | Flares, aerial | 1.4G | UN0403 | II | 1.4G .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Flares, aerial | 1.4S | UN0404 | II | 1.4S .. | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Flares, aerial | 1.1G | UN0420 | II | 1.1G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Flares, aerial | 1.2G | UN0421 | II | 1.2G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | <i>Flares, airplane, see Flares, aerial.</i> | | | | | | | | | | | | |
| | <i>Flares, signal, see Cartridges, signal.</i> | | | | | | | | | | | | |
| | Flares, surface | 1.3G | UN0092 | II | 1.3G .. | | None | 62 | None | Forbidden | 75 kg | 07 | ..... |
| | Flares, surface | 1.1G | UN0418 | II | 1.1G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Flares, surface | 1.2G | UN0419 | II | 1.2G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | <i>Flares, water-activated, see Contrivances, water-activated, etc.</i> | | | | | | | | | | | | |
| | Flash powder | 1.1G | UN0094 | II | 1.1G .. | | None | 62 | None | Forbidden | Forbidden | 15 | ..... |
| | Flash powder | 1.3G | UN0305 | II | 1.3G .. | | None | 62 | None | Forbidden | Forbidden | 15 | ..... |
| | <i>Flue dusts, poisonous, see Arsenical dust.</i> | | | | | | | | | | | | |
| | <i>Fluoric acid, see Hydrofluoric acid, etc.</i> | | | | | | | | | | | | |
| | Fluorine, compressed | 2.3 | UN1045 | ..... | 2.3, 5.1, 8. | 1 | None | 302 | None | Forbidden | Forbidden | D | 40, 89, 90 |
| | Fluoroacetic acid | 6.1 | UN2642 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 1 kg | 15 kg | E | ..... |
| | Fluoroanilines | 6.1 | UN2941 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Fluorobenzene | 3 | UN2387 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Fluoroboric acid | 8 | UN1775 | II | 8 | A6, A7, B2, B15, IB2, N3, N34, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| | Fluorophosphoric acid anhydrous. | 8 | UN1776 | II | 8 | A6, A7, B2, IB2, N3, N34, T8, TP2, TP12 | None | 202 | 242 | 1 L | 30 L | A | ..... |
| | Fluorosilicates, n.o.s. | 6.1 | UN2856 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di-vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--------------------------------------|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Fluorosilicic acid | 8 | UN1778 | II | 8 | A6, A7, B2, B15, IB2, N3, N34, T8, TP2, TP12 | None | 202 | 242 | 1 L | 30 L | A | ..... |
| | Fluorosulfonic acid | 8 | UN1777 | I | 8 | A3, A6, A7, A10, B6, B10, N3, T10, TP2, TP12 | None | 201 | 243 | 0.5 L | 2.5 L | D | 40 |
| | Fluorotoluenes | 3 | UN2388 | II | 3 | T10, TP2, TP12 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | <i>Forbidden materials. See § 173.21.</i> | Forbidden | | | | | | | | | | | |
| | Formaldehyde, solutions, flammable. | 3 | UN1198 | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | 40 |
| | Formaldehyde, solutions, with not less than 25 percent formaldehyde. | 8 | UN2209 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | <i>Formalin, see Formaldehyde, solutions.</i> | | | | | | | | | | | | |
| | Formic acid | 8 | UN1779 | II | 8 | B2, B28, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | 40 |
| | Fracturing devices, explosive, without detonators for oil wells. | 1.1D | UN0099 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Fuel, aviation, turbine engine | 3 | UN1863 | I | 3 | T11, TP1, TP8 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |
| | | | | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| D | Fuel oil (No. 1, 2, 4, 5, or 6) | 3 | NA1993 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | | | | III | 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <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> | Forbidden | | | | | | | | | | | |
| | <i>Fulminate of mercury, wet, see Mercury fulminate, etc.</i> | | | | | | | | | | | | |
| | <i>Fulminating gold</i> | Forbidden | | | | | | | | | | | |
| | <i>Fulminating mercury</i> | Forbidden | | | | | | | | | | | |
| | <i>Fulminating platinum</i> | Forbidden | | | | | | | | | | | |
| | <i>Fulminating silver</i> | Forbidden | | | | | | | | | | | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | |
|--|-----------|--------|-------|--------|------------------|------|-----|------|-----------|-----------|----|--|--------|--|
| Fulminic acid | Forbidden | | | | | | | | | | | | | |
| Fumaryl chloride | 8 | UN1780 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | | 8, 40 | |
| Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h). | | | | | | | | | | | | | | |
| Fumigated transport vehicle or freight container see 173.9. | | | | | | | | | | | | | | |
| Furaldehydes | 6.1 | UN1199 | II | 6.1, 3 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | | | |
| Furan | 3 | UN2389 | I | 3 | T12, TP2, TP13 | None | 201 | 243 | 1 L | 30 L | E | | 40 | |
| Furfuryl alcohol | 6.1 | UN2874 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | | 26, 74 | |
| Furfurylamine | 3 | UN2526 | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | | 40 | |
| Fuse, detonating, metal clad, see Cord, detonating, metal clad. | | | | | | | | | | | | | | |
| Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad. | | | | | | | | | | | | | | |
| Fuse, igniter tubular metal clad | 1.4G | UN0103 | II | 1.4G | .. | None | 62 | None | Forbidden | 75 kg | 06 | | | |
| Fuse, non-detonating instantaneous or quickmatch. | 1.3G | UN0101 | II | 1.3G | .. | None | 62 | None | Forbidden | Forbidden | 07 | | | |
| Fuse, safety | 1.4S | UN0105 | II | 1.4S | ... | None | 62 | None | 25 kg | 100 kg | 05 | | | |
| Fusee (railway or highway) | 4.1 | NA1325 | II | 4.1 | ... | None | 184 | None | 15 kg | 50 kg | B | | | |
| Fusel oil | 3 | UN1201 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | | | |
| | | | III | 3 | 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 | UN0106 | II | 1.1B | ... | None | 62 | None | Forbidden | Forbidden | 11 | | | |
| Fuzes, detonating | 1.2B | UN0107 | II | 1.2B | ... | None | 62 | None | Forbidden | Forbidden | 11 | | | |
| Fuzes, detonating | 1.4B | UN0257 | II | 1.4B | ... | 116 | 62 | None | Forbidden | 75 kg | 06 | | | |
| Fuzes, detonating | 1.4S | UN0367 | II | 1.4S | ... | 116 | 62 | None | 25 kg | 100 kg | 05 | | | |
| Fuzes, detonating, with protective features. | 1.1D | UN0408 | II | 1.1D | .. | None | 62 | None | Forbidden | Forbidden | 07 | | | |
| Fuzes, detonating, with protective features. | 1.2D | UN0409 | II | 1.2D | .. | None | 62 | None | Forbidden | Forbidden | 07 | | | |
| Fuzes, detonating, with protective features. | 1.4D | UN0410 | II | 1.4D | .. | 116 | 62 | None | Forbidden | 75 kg | 06 | | | |
| Fuzes, igniting | 1.3G | UN0316 | II | 1.3G | .. | None | 62 | None | Forbidden | Forbidden | 07 | | | |
| Fuzes, igniting | 1.4G | UN0317 | II | 1.4G | .. | None | 62 | None | Forbidden | 75 kg | 06 | | | |
| Fuzes, igniting | 1.4S | UN0368 | II | 1.4S | ... | None | 62 | None | 25 kg | 100 kg | 05 | | | |
| Galactsan trinitrate | Forbidden | | | | | | | | | | | | | |
| Gallium | 8 | UN2803 | III | 8 | ..... | None | 162 | 240 | 20 kg | 20 kg | B | | 48 | |
| Gas cartridges, (flammable) without a release device, non-refillable. | 2.1 | UN2037 | ..... | 2.1 | ..... | 306 | 304 | None | 1 kg | 15 kg | B | | 40 | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|--|----------------------------|----------------------------|-------|----------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|
| | | | | | | | 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) |
| | Gas generator assemblies (air- craft), <i>containing a non-flam- mable non-toxic gas and a propellant cartridge.</i> | 2.2 |  | ..... | 2.2 | | None | 335 | None | 75 kg | 150 kg | A | ..... |
| D | Gas identification set | 2.3 | NA9035 | ..... | 2.3 | 6 | None | 194 | None | Forbidden | Forbidden | D | ..... |
| | Gas oil | 3 | UN1202 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| G | Gas, refrigerated liquid, flam- mable, n.o.s. (<i>cryogenic liquid</i>). | 2.1 | UN3312 | ..... | 2.1 | T75, TP5 | None | 316 | 318 | Forbidden | Forbidden | D | 40 |
| G | Gas, refrigerated liquid, n.o.s. (<i>cryogenic liquid</i>). | 2.2 | UN3158 | ..... | 2.2 | T75, TP5 | 320 | 316 | 318 | 50 kg | 500 kg | D | ..... |
| G | Gas, refrigerated liquid, oxi- dizing, n.o.s. (<i>cryogenic liquid</i>). | 2.2 | UN3311 | ..... | 2.2, 5.1 | T75, TP5 | 320 | 316 | 318 | Forbidden | Forbidden | D | ..... |
| | Gas sample, non-pressurized, flammable, n.o.s., <i>not refrig- erated liquid.</i> | 2.1 | UN3167 | ..... | 2.1 | | 306 | 302, 304. | None | 1 L | 5 L | D | ..... |
| | Gas sample, non-pressurized, toxic, flammable, n.o.s., <i>not refrigerated liquid.</i> | 2.3 | UN3168 | ..... | 2.3, 2.1 | | 306 | 302 | None | Forbidden | 1 L | D | ..... |
| | Gas sample, non-pressurized, toxic, n.o.s., <i>not refrigerated liquid.</i> | 2.3 | UN3169 | ..... | 2.3 | | 306 | 302, 304. | None | Forbidden | 1 L | D | ..... |
| D | Gasohol gasoline mixed with ethyl alcohol, with not more than 20 percent alcohol. | 3 | NA1203 | II | 3 | | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | Gasoline | 3 | UN1203 | II | 3 | B33, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | <i>Gasoline, casinghead, see Gas- oline.</i> | ..... |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Gelatine, blasting, see Explo- sive, blasting, type A.</i> | ..... |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Gelatine dynamites, see Explo- sive, blasting, type A.</i> | ..... |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Germane | 2.3 | UN2192 | ..... | 2.3, 2.1 | 2 | None | 302 | 245 | Forbidden | Forbidden | D | 40 |
| | <i>Glycerol-1,3-dinitrate</i> | Forbidden |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Glycerol gluconate trinitrate</i> | Forbidden |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Glycerol lactate trinitrate</i> | Forbidden |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Glycerol alpha-monochlorohydrin | 6.1 | UN2689 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|-----------|--------|-------|-----------|-------------------------|-------|-------|-------|-----------|-----------|-------|-------|
| <i>Glyceryl trinitrate, see Nitroglycerin, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Glycidaldehyde | 3 | UN2622 | II | 3, 6.1 | IB2, T7, TP1 | 150 | 202 | 243 | 1 L | 60 L | A | 40 |
| Grenades, <i>hand or rifle, with bursting charge.</i> | 1.1D | UN0284 | II | 1.1D .. |  | ..... | 62 | None | Forbidden | Forbidden | 07 | ..... |
| Grenades, <i>hand or rifle, with bursting charge.</i> | 1.2D | UN0285 | II | 1.2D .. |  | ..... | 62 | None | Forbidden | Forbidden | 07 | ..... |
| Grenades, <i>hand or rifle, with bursting charge.</i> | 1.1F | UN0292 | II | 1.1F ... |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| Grenades, <i>hand or rifle, with bursting charge.</i> | 1.2F | UN0293 | II | 1.2F ... |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| <i>Grenades, illuminating, see Ammunition, illuminating, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grenades, practice, <i>hand or rifle</i> | 1.4S | UN0110 | II | 1.4S ... |  | ..... | 62 | None | 25 kg | 100 kg | 05 | ..... |
| Grenades, practice, <i>hand or rifle</i> | 1.3G | UN0318 | II | 1.3G .. |  | ..... | 62 | None | Forbidden | Forbidden | 07 | ..... |
| Grenades, practice, <i>hand or rifle</i> | 1.2G | UN0372 | II | 1.2G .. |  | ..... | 62 | None | Forbidden | Forbidden | 07 | ..... |
| Grenades practice <i>Hand or rifle</i> | 1.4G | UN0452 | II | 1.4G .. |  | ..... | 62 | None | Forbidden | 75 kg | 06 | ..... |
| <i>Grenades, smoke, see Ammunition, smoke, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Guanidine nitrate | 5.1 | UN1467 | III | 5.1 | A1, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 73 |
| <i>Guanyl nitrosaminoguanylidene hydrazine (dry).</i> | Forbidden |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Guanyl nitrosaminoguanylidene hydrazine, <i>wetted with not less than 30 percent water, by mass.</i> | 1.1A | UN0113 | II | 1.1A ... | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| <i>Guanyl nitrosaminoguanyltetrazene (dry).</i> | Forbidden |  | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Guanyl nitrosaminoguanyltetrazene, <i>wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass.</i> | 1.1A | UN0114 | II | 1.1A ... | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| Gunpowder, compressed or Gunpowder in pellets, <i>see Black powder (UN 0028).</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Gunpowder, <i>granular or as a meal, see Black powder (UN 0027).</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hafnium powder, dry | 4.2 | UN2545 | I | 4.2 | | None | 211 | 242 | Forbidden | Forbidden | D | ..... |
| ..... | ..... | ..... | II | 4.2 | A19, A20, IB6, IP2, N34 | None | 212 | 241 | 15 kg | 50 kg | D | ..... |
| ..... | ..... | ..... | III | 4.2 | IB8, IP3 | None | 213 | 241 | 25 kg | 100 kg | D | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|---|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Hafnium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns. <i>Hand signal device, see Signal devices, hand.</i> <i>Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc.</i> | 4.1 | UN1326 | II | 4.1 | A6, A19, A20, IB6, IP2, N34 | None | 212 | 241 | 15 kg | 50 kg | E | ..... |
| D G | Hazardous waste, liquid, n.o.s. ... | 9 | NA3082 | III | 9 | IB3, T2, TP1 | 155 | 203 | 241 | No limit | No limit | A | ..... |
| D G | Hazardous waste, solid, n.o.s. ... | 9 | NA3077 | III | 9 | B54, IB8, IP2 | 155 | 213 | 240 | No limit | No limit | A | ..... |
| | Heating oil, light | 3 | UN1202 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Helium, compressed | 2.2 | UN1046 | ..... | 2.2 | | 306 | 302 | 302, 314. | 75 kg | 150 kg | A | 85 |
| | <i>Helium-oxygen mixture, see Rare gases and oxygen mixtures.</i> | | | | | | | | | | | | |
| | Helium, refrigerated liquid (<i>cryogenic liquid</i>). | 2.2 | UN1963 | ..... | 2.2 | T75, TP5 | 320 | 316 | 318 | 50 kg | 500 kg | B | ..... |
| | 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 | IB3 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Hexachlorobutadiene | 6.1 | UN2279 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Hexachlorocyclopentadiene | 6.1 | UN2646 | I | 6.1 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Hexachlorophene | 6.1 | UN2875 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Hexadecyltrichlorosilane | 8 | UN1781 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2 | None | 202 | 242 | Forbidden | 30 L | C | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-------|--------|---|------|-----|-----------|-----------|-----------|----|--------|
| Hexadienes | 3 | UN2458 | II | 3 | IB2, T4, TP1 | None | 202 | 242 | 5 L | 60 L | B | ..... |
| Hexaethyl tetraphosphate and compressed gas mixtures. | 2.3 | UN1612 | ..... | 2.3 | 3 | None | 334 | None | Forbidden | Forbidden | D | 40 |
| Hexaethyl tetraphosphate, <i>liquid</i> | 6.1 | UN1611 | II | 6.1 | IB2, IP2, IP4, N76 | None | 202 | 243 | 5 L | 60 L | E | 40 |
| Hexaethyl tetraphosphate, <i>solid</i> | 6.1 | UN1611 | II | 6.1 | IB8, IP2, IP4, N76 | None | 212 | 242 | 25 kg | 100 kg | E | 40 |
| Hexafluoroacetone | 2.3 | UN2420 | ..... | 2.3, 8 | 2, B9, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| Hexafluoroacetone hydrate | 6.1 | UN2552 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| Hexafluoroethane, compressed or Refrigerant gas R 116. | 2.2 | UN2193 | ..... | 2.2 | | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| Hexafluorophosphoric acid | 8 | UN1782 | II | 8 | A6, A7, B2, IB2, N3, N34, T8, TP2, TP12 | 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 | None | 202 | 243 | 5 L | 60 L | C | 13, 40 |
| <i>Hexamethylene triperoxide diamine (dry).</i> | Forbidden | | | | | | | | | | | |
| Hexamethylenediamine, solid | 8 | UN2280 | III | 8 | IB8, IP3, T4, TP1 | 154 | 213 | 240 | 25 kg | 100 kg | A | 12 |
| Hexamethylenediamine solution | 8 | UN1783 | II | 8 | IB2, T7, TP2 | None | 202 | 242 | 1 L | 30 L | A | ..... |
| ..... |  |  | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| Hexamethyleneimine | 3 | UN2493 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| Hexamethylenetetramine | 4.1 | UN1328 | III | 4.1 | A1, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| <i>Hexamethylol benzene hexanitrate.</i> | Forbidden | | | | | | | | | | | |
| Hexanes | 3 | UN1208 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| 2,2',4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry). | Forbidden | | | | | | | | | | | |
| <i>Hexanitroazoxy benzene</i> | Forbidden | | | | | | | | | | | |
| <i>N,N'-(hexanitrodiphenyl ethylene dinitramine (dry)).</i> | Forbidden | | | | | | | | | | | |
| <i>Hexanitrodiphenyl urea</i> | Forbidden | | | | | | | | | | | |
| 2,2',3',4,4',6'-Hexanitrodiphenylamine. | Forbidden | | | | | | | | | | | |
| Hexanitrodiphenylamine or Dipicrylamine or Hexyl. 2,3',4,4',6,6'-Hexanitrodiphenylether. | 1.1D | UN0079 | II | 1.1D | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| <i>Hexanitroethane</i> | Forbidden | | | | | | | | | | | |
| <i>Hexanitrooxanilide</i> | Forbidden | | | | | | | | | | | |
| Hexanitrostilbene | 1.1D | UN0392 | II | 1.1D | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| <i>Hexanoic acid, see Corrosive liquids, n.o.s..</i> | ..... |  |  |  |  |  |  |  |  |  |  |  |
| Hexanols | 3 | UN2282 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| 1-Hexene | 3 | UN2370 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|--|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Hexogen and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hexogen and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hexogen and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hexogen, see Cyclotrimethylenetrinitramine, etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hexolite, or Hexotol dry or wetted with less than 15 percent water, by mass. | 1.1D | UN0118 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Hexotonal | 1.1D | UN0393 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Hexyl, see Hexanitrodiphenylamine. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hexyltrichlorosilane | 8 | UN1784 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | High explosives, see individual explosives' entries. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | HMX, see Cyclotetramethylenete tranitramine, etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hydrazine, anhydrous or Hydrazine aqueous solutions with more than 64 percent hydrazine, by mass. | 8 | UN2029 | I | 8, 3, 6.1. | A3, A6, A7, A10, B7, B16, B53 | None | 201 | 243 | Forbidden | 2.5 L | D | 21, 40, 42, 100 |
| | 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 | ..... |
| | Hydrazine azide | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Hydrazine chlorate | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

| | | | | | | | | | | | | | |
|--|-----------|--------|-----|--------|--|------|-----|-----------|-----------|-----------|---|------------|--|
| <i>Hydrazine dicarbonic acid diazide.</i> | Forbidden | | | | | | | | | | | | |
| Hydrazine hydrate or Hydrazine aqueous solutions, with not less than 37 percent but not more than 64 percent hydrazine, by mass. | 8 | UN2030 | II | 8, 6.1 | B16, B53, IB2, T7, TP2, TP13 | None | 202 | 243 | Forbidden | 30 L | D | 40, 42, 82 | |
| <i>Hydrazine perchlorate</i> | Forbidden | | | | | | | | | | | | |
| <i>Hydrazine selenate</i> | Forbidden | | | | | | | | | | | | |
| <i>Hydriodic acid, anhydrous, see Hydrogen iodide, anhydrous.</i> | | | | | | | | | | | | | |
| Hydriodic acid | 8 | UN1787 | II | 8 | A3, A6, B2, IB2, N41, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | | |
| | | | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | C | 8 | |
| <i>Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous.</i> | | | | | | | | | | | | | |
| 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 | | |
| | | | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | Forbidden | Forbidden | C | 8 | |
| Hydrobromic acid, with not more than 49 percent hydrobromic acid. | 8 | UN1788 | II | 8 | A3, A6, B2, B15, IB2, N41, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | | |
| | | | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 30 L | C | 8 | |
| Hydrocarbon gas mixture, compressed, n.o.s. | 2.1 | UN1964 | | 2.1 | | 306 | 302 | 314, 315. | Forbidden | 150 kg | E | 40 | |
| Hydrocarbon gas mixture, liquefied, n.o.s. | 2.1 | UN1965 | | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 | |
| Hydrocarbons, liquid, n.o.s. | 3 | UN3295 | I | 3 | T11, TP1, TP8 | 150 | 201 | 243 | 1 L | 30 L | E | | |
| | | | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | | |
| | | | III | 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | | |
| <i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous.</i> | | | | | | | | | | | | | |
| Hydrochloric acid | 8 | UN1789 | II | 8 | A3, A6, B3, B15, IB2, N41, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | C | | |
| | | | III | 8 | IB3, T4, TP1, TP12 | 154 | 203 | 241 | 5 L | 60 L | C | 8 | |
| <i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.</i> | | | | | | | | | | | | | |
| Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide. | 6.1 | UN1613 | I | 6.1 | 2, B61, B65, B77, B82, T20, TP2, TP13 | None | 195 | 244 | Forbidden | Forbidden | D | 40 | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---|--|----------------------------|----------------------------|----------|--|---|--------------------------|-----------|----------------|--------------------------|-----------------------|-----------------------|--------|
| | | | | | | | 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) |
| D | Hydrocyanic acid, aqueous solu- tions with less than 5 percent hydrogen cyanide. | 6.1 | NA1613 | II | 6.1 | IB1, T14, TP2, TP13, TP27 | None | 195 | 243 | Forbidden | 5 L | D | 40 |
| | <i>Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc.</i> | Forbidden | | | | | | | | | | | |
| | <i>Hydrocyanic acid (prussic), unstabilized.</i> | Forbidden | | | | | | | | | | | |
| | Hydrofluoric acid and Sulfuric acid mixtures. | 8 | UN1786 | I | 8, 6.1 | A6, A7, B15, B23, N5, N34, T10, TP2, TP12, TP13 | None | 201 | 243 | Forbidden | 2.5 L | D | 40 |
| | <i>Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhy- drous.</i> | | | | | | | | | | | | |
| | Hydrofluoric acid, with more than 60 percent strength. | 8 | UN1790 | I | 8, 6.1 | A6, A7, B4, B15, B23, N5, N34, T10, TP2, TP12, TP13 | None | 201 | 243 | 0.5 L | 2.5 L | D | 12, 40 |
| | Hydrofluoric acid, with not more than 60 percent strength. | 8 | UN1790 | II | 8, 6.1 | A6, A7, B15, IB2, N5, N34, T8, TP2, TP12 | None | 202 | 243 | 1 L | 30 L | D | 12, 40 |
| | <i>Hydrofluoroboric acid, see Fluoroboric acid.</i> | | | | | | | | | | | | |
| | <i>Hydrofluorosilicic acid, see Fluorosilicic acid.</i> | | | | | | | | | | | | |
| | Hydrogen and Methane mix- tures, compressed. | 2.1 | UN2034 | | 2.1 | | 306 | 302 | 302, 314, 315. | Forbidden | 150 kg | E | 40 |
| | Hydrogen bromide, anhydrous ... | 2.3 | UN1048 | | 2.3, 8 | 3, B14 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40 |
| | Hydrogen chloride, anhydrous ... | 2.3 | UN1050 | | 2.3, 8 | 3 | None | 304 | None | Forbidden | Forbidden | D | 40 |
| | Hydrogen chloride, refrigerated liquid. | 2.3 | UN2186 | | 2.3, 8 | 3, B6 | None | None | 314, 315. | Forbidden | Forbidden | B | 40 |
| Hydrogen, compressed | 2.1 | UN1049 | | 2.1 | | 306 | 302 | 302, 314. | Forbidden | 150 kg | E | 40, 57 | |
| Hydrogen cyanide, solution in al- cohol with not more than 45 percent hydrogen cyanide. | 6.1 | UN3294 | | I 6.1, 3 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----|--------|-----|-----------|--|------|-----|-----------|-----------|-----------|---|-----------------|
| Hydrogen cyanide, stabilized with less than 3 percent water. | 6.1 | UN1051 | I | 6.1, 3 | 1, B35, B61, B65, B77, B82 | None | 195 | 244 | Forbidden | Forbidden | D | 40 |
| Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material. | 6.1 | UN1614 | I | 6.1 | 5 | None | 195 | None | Forbidden | Forbidden | D | 25, 40 |
| Hydrogen fluoride, anhydrous | 8 | UN1052 | I | 8, 6.1 | 3, B7, B46, B71, B77, T10, TP2 | None | 163 | 243 | Forbidden | Forbidden | D | 40 |
| Hydrogen iodide, anhydrous | 2.3 | UN2197 | | 2.3 | 3, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| <i>Hydrogen iodide solution, see Hydriodic acid, solution.</i> | | | | | | | | | | | | |
| Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxyacetic acid. | 5.1 | UN3149 | II | 5.1, 8 | A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24 | None | 202 | 243 | 1 L | 5 L | D | 25, 66, 75, 106 |
| 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, A3, A6, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37 | None | 202 | 243 | Forbidden | Forbidden | D | 25, 66, 75, 106 |
| 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, 106 |
| 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, 75, 106 |
| Hydrogen percent stabilized or Hydrogen peroxide aqueous solutions, stabilized with more than 60 percent hydrogen peroxide. | 5.1 | UN2015 | I | 5.1, 8 | 12, A3, A6, B53, B80, B81, B85, T10, TP2, TP6, TP24, TP37 | None | 201 | 243 | Forbidden | Forbidden | D | 25, 66, 75, 106 |
| Hydrogen, refrigerated 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 |
| <i>Hydrogen sulfate, see Sulfuric acid.</i> | | | | | | | | | | | | |
| Hydrogen sulfide | 2.3 | UN1053 | | 2.3, 2.1. | 2, B9, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| Hydrogen difluorides, n.o.s. solid | 8 | UN1740 | II | 8 | IB5, IP2, IP4, N3, N34 | None | 212 | 240 | 15 kg | 50 kg | A | 25, 26, 40 |
| | | | III | 8 | IB8, IP3, N3, N34 | 154 | 213 | 240 | 25 kg | 100 kg | A | 25, 26, 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Hydrogendifluorides, n.o.s. <i>solu- tions</i> . | 8 | UN1740 | II | 8 | IB2, N3, N34 | None | 202 | 242 | 1 L | 30 L | A | 25, 26, 40 |
|  | ..... |  |  | III | 8 | IB3, IP3, N3, N34 | 154 | 203 | 241 | 5 L | 60 L | A | 25, 26, 40 |
| | Hydroquinone | 6.1 | UN2662 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | <i>Hydrosilicofluoric acid, see Fluorosilicic acid.</i> | Forbidden | | | | | | | | | | | |
| | <i>Hydroxyl amine iodide</i> | Forbidden | | | | | | | | | | | |
| | Hydroxylamine sulfate | 8 | UN2865 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Hypochlorite solutions | 8 | UN1791 | II | 8 | A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24 | 154 | 202 | 242 | 1 L | 30 L | B | 26 |
|  | ..... |  |  | III | 8 | IB3, N34, T4, TP2, TP24 | 154 | 203 | 241 | 5 L | 60 L | B | 26 |
| | Hypochlorites, inorganic, n.o.s. ... | 5.1 | UN3212 | II | 5.1 | IB8, IP2, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | D | 48, 56, 58, 69, 106, 116, 118 |
| | <i>Hyponitrous acid</i> | Forbidden | | | | | | | | | | | |
| | <i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad.</i> | | | | | | | | | | | | |
| | Igniters | 1.1G | UN0121 | II | 1.1G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Igniters | 1.2G | UN0314 | II | 1.2G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Igniters | 1.3G | UN0315 | II | 1.3G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Igniters | 1.4G | UN0325 | II | 1.4G .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Igniters | 1.4S | UN0454 | II | 1.4S ... | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | 3,3'-Iminodipropylamine | 8 | UN2269 | III | 8 | IB3, T4, TP2 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| G | Infectious substances, affecting animals <i>only</i> . | 6.2 | UN2900 | ..... | 6.2 | | 134 | 196 | None | 50 mL or 50 g | 4 L or 4 kg | B | ..... |
| G | Infectious substances, affecting humans. | 6.2 | UN2814 | ..... | 6.2 | | 134 | 196 | None | 50 mL or 50 g | 4 L or 4 kg | B | ..... |
| | <i>Inflammable, see Flammable</i> | | | | | | | | | | | | |
| | <i>Initiating explosives (dry)</i> | Forbidden | | | | | | | | | | | |
| | <i>Inositol hexanitrate (dry)</i> | Forbidden | | | | | | | | | | | |
| G | Insecticide gases, n.o.s. | 2.2 | UN1968 | ..... | 2.2 | | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|--|-----------|--------|-------|--------------|-------|---|------|-------|-----------|-------|-----------|-----------|-----------|---|--------------------|
| G | Insecticide gases, flammable, n.o.s. | 2.1 | UN3354 | ..... | 2.1 | ..... | T50 | 306 | ..... | 304 | ..... | 314, 315. | Forbidden | 150 kg | D | 40 |
| G | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone A.</i> | 2.3 | UN3355 | ..... | 2.3, 2.1. | ..... | 1 | None | .... | 192 | ..... | 245 | Forbidden | Forbidden | D | 40 |
| G | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone B.</i> | 2.3 | UN3355 | ..... | 2.3, 2.1. | ..... | 2, B9, B14 | None | .... | 302, 305. | ..... | 314, 315. | Forbidden | Forbidden | D | 40 |
| G | Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone C.</i> | 2.3 | UN3355 | ..... | 2.3, 2.1. | ..... | 3, B14 | None | .... | 302, 305. | ..... | 314, 315. | Forbidden | Forbidden | D | ..... |
| 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 | ..... |
| G | Insecticide gases, toxic, n.o.s. ... | 2.3 | UN1967 | ..... | 2.3 | ..... | 3 | None | .... | 193, 334. | ..... | 245 | Forbidden | Forbidden | D | 40 |
| | <i>Inulin trinitrate (dry)</i> | Forbidden | | | | | | | | | | | | | | |
| | <i>Iodine azide (dry)</i> | Forbidden | | | | | | | | | | | | | | |
| | Iodine monochloride | 8 | UN1792 | II | 8 | ..... | B6, IB8, IP2, IP4, N41, T7, TP2 | None | .... | 212 | ..... | 240 | Forbidden | 50 kg | D | 40, 66, 74, 89, 90 |
| | Iodine pentafluoride | 5.1 | UN2495 | I | 5.1, 6.1, 8. | ..... |  | None | .... | 205 | ..... | 243 | Forbidden | 2.5 L | D | 25, 40, 66, 90 |
| | 2-Iodobutane | 3 | UN2390 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | 5 L | 60 L | B | ..... |
| | Iodomethylpropanes | 3 | UN2391 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | 5 L | 60 L | B | ..... |
| | Iodopropanes | 3 | UN2392 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | 60 L | 220 L | A | ..... |
| | <i>Iodoxy compounds (dry)</i> | Forbidden | | | | | | | | | | | | | | |
| | <i>Iridium nitratopentamine iridium nitrate.</i> | Forbidden | | | | | | | | | | | | | | |
| | <i>Iron chloride, see Ferric chloride.</i> | | | | | | | | | | | | | | | |
| | Iron oxide, spent, or Iron sponge, spent <i>obtained from coal gas purification.</i> | 4.2 | UN1376 | III | 4.2 | ..... | B18, IB8, IP3 | None | .... | 213 | ..... | 240 | Forbidden | Forbidden | E | ..... |
| | Iron penta carbonyl | 6.1 | UN1994 | I | 6.1, 3 | ..... | 1, B9, B14, B30, B72, B77, T22, TP2, TP13, TP38, TP44 | None | .... | 226 | ..... | 244 | Forbidden | Forbidden | D | 40 |
| | <i>Iron sesquichloride, see Ferric chloride.</i> | | | | | | | | | | | | | | | |
| | <i>Irritating material, see Tear gas substances, etc.</i> | | | | | | | | | | | | | | | |
| | Isobutane <i>see also</i> Petroleum gases, liquefied. | 2.1 | UN1969 | ..... | 2.1 | ..... | 19, T50 | 306 | ..... | 304 | ..... | 314, 315. | Forbidden | 150 kg | E | 40 |
| | Isobutanol or Isobutyl alcohol | 3 | UN1212 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | 60 L | 220 L | A | ..... |
| | Isobutyl acetate | 3 | UN1213 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | 5 L | 60 L | B | ..... |
| | Isobutyl acrylate, stabilized | 3 | UN2527 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | 60 L | 220 L | A | ..... |
| | Isobutyl alcohol, <i>see</i> Isobutanol | | | | | | | | | | | | | | | |
| | Isobutyl aldehyde, <i>see</i> Isobutyraldehyde. | | | | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|--|----------------------------|----------------------------|-------|-------------|--|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-----------------------------|
| | | | | | | | 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) |
| D | Isobutyl chloroformate | 6.1 | NA2742 | I | 6.1, 3, 8. | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | 1 L | 30 L | A | 12, 13, 22, 25, 40, 48, 100 |
| | Isobutyl formate | 3 | UN2393 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Isobutyl isobutyrate | 3 | UN2528 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| + | Isobutyl isocyanate | 3 | UN2486 | I | 3, 6.1 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| | Isobutyl methacrylate, stabilized | 3 | UN2283 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Isobutyl propionate | 3 | UN2394 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | B | ..... |
| | Isobutylamine | 3 | UN1214 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| | Isobutylene <i>see also</i> Petroleum gases, liquefied. | 2.1 | UN1055 | ..... | 2.1 | 19, T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| | Isobutyraldehyde or Isobutyl aldehyde. | 3 | UN2045 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | 40 |
| | Isobutyric acid | 3 | UN2529 | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | ..... |
| | Isobutyronitrile | 3 | UN2284 | II | 3, 6.1 | IB2, T7, TP2, TP13 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | Isobutryl chloride | 3 | UN2395 | II | 3, 8 | IB1, T7, TP2 | None | 202 | 243 | 1 L | 5 L | C | 40 |
| G | Isocyanates, flammable, toxic, n.o.s. or Isocyanate solutions, flammable, toxic, n.o.s. <i>flash point less than 23 degrees C.</i> | 3 | UN2478 | II | 3, 6.1 | 5, A3, A7, IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | D | 40 |
| G | Isocyanates, toxic, flammable, n.o.s. or Isocyanate solutions, toxic, flammable, n.o.s., <i>flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C.</i> | 6.1 | UN3080 | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 25, 40, 48 |
| G | Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i> | 6.1 | UN2206 | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | E | 25, 40, 48 |
| | | | | III | 6.1 | IB3, T7, TP1, TP13, TP28 | 153 | 203 | 241 | 60 L | 220 L | E | 25, 40, 48 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

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|---|-----------|--------|-----|------------|---|------|-----|------|-----------|-----------|---|------------|
| Isocyanatobenzotrifluorides | 6.1 | UN2285 | II | 6.1, 3 | 5, IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | D | 25, 40, 48 |
| Isoheptenes | 3 | UN2287 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| Isohexenes | 3 | UN2288 | II | 3 | IB2, T11, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | |
| <i>Isocotane, see Octanes</i> | | | | | | | | | | | | |
| Isocotenes | 3 | UN1216 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| <i>Isopentane, see Pentane</i> | | | | | | | | | | | | |
| <i>Isopentanoic acid, see Corrosive liquids, n.o.s.</i> | | | | | | | | | | | | |
| Isopentenes | 3 | UN2371 | I | 3 | T11, TP2 | 150 | 201 | 243 | 1 L | 30 L | E | |
| Isophorone diisocyanate | 6.1 | UN2290 | 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 | 150 | 202 | 242 | 5 L | 60 L | B | |
| Isopropenyl acetate | 3 | UN2403 | II | 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 | IB8, IP3, T4, TP1 | 154 | 213 | 240 | 25 kg | 100 kg | A | |
| Isopropyl alcohol, <i>see</i> 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, B74, 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 | 3 | UN2483 | I | 3, 6.1 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| <i>Isopropyl mercaptan, see Propanethiols.</i> | | | | | | | | | | | | |
| Isopropyl nitrate | 3 | UN1222 | II | 3 | IB2, IP7 | 150 | 202 | None | 5 L | 60 L | D | |
| <i>Isopropyl phosphoric acid, see Isopropyl acid phosphate.</i> | | | | | | | | | | | | |
| 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 | |
| <i>Isopropylcumyl hydroperoxide, with more than 72 percent in solution.</i> | Forbidden | | | | | | | | | | | |
| Isosorbide dinitrate mixture with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate. | 4.1 | UN2907 | II | 4.1 | IB6, IP2 | None | 212 | None | 15 kg | 50 kg | E | |
| Isosorbide-5-mononitrate | 4.1 | UN3251 | III | 4.1 | 66, IB8 | 151 | 213 | 240 | Forbidden | Forbidden | D | 12 |
| <i>Isothiocyanic acid</i> | Forbidden | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym- bols | Hazardous materials descrip- tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|--------------|---|----------------------------------|----------------------------------|-------|----------------|-------------------------------------|-----------------------------|--------------|-----------|-----------------------------|--------------------------|-----------------------------|-------|
| | | | | | | | 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>Jet fuel, see</i> Fuel aviation, tur- bine engine. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| D | Jet perforating guns, charged oil well, with detonator. | 1.1D | NA0124 | II | 1.1D .. | 55, 56 | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| D | Jet perforating guns, charged oil well, with detonator. | 1.4D | NA0494 | II | 1.4D .. | 55, 56 | None | 62 | None | Forbidden | Forbidden | 06 | ..... |
| | Jet perforating guns, charged oil well, without detonator. | 1.1D | UN0124 | II | 1.1D .. | 55 | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Jet perforating guns, charged, oil well, without detonator. | 1.4D | UN0494 | II | 1.4D .. | 55, 114 | None | 62 | None | Forbidden | 300 kg | 06 | ..... |
| | <i>Jet perforators, see</i> Charges, shaped, etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Jet tappers, without detonator, see</i> Charges, shaped, etc. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Jet thrust igniters, for rocket mo- tors or Jato, see</i> Igniters. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Jet thrust unit (Jato), see</i> Rocket motors. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| G | Kerosene | 3 | UN1223 | III | 3 | B1, IB3, T2, TP2 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Ketones, liquid, n.o.s. | 3 | UN1224 | I | 3 | T11, TP1, TP8, TP27 | None | 201 | 243 | 1 L | 30 L | E | ..... |
|  | ..... |  |  | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Krypton, compressed | 2.2 | UN1056 | ..... | 2.2 | | 306 | 302 | None | 75 kg | 150 kg | A | ..... |
| | Krypton, refrigerated liquid (<i>cryo- genic liquid</i>). | 2.2 | UN1970 | ..... | 2.2 | T75, TP5 | 320 | None | None | 50 kg | 500 kg | B | ..... |
| | <i>Lacquer base or lacquer chips, nitrocellulose, dry, see</i> Nitro- cellulose, etc. (UN 2557). | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see</i> Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint etc.(UN1263). | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Lead acetate | 6.1 | UN1616 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Lead arsenates | 6.1 | UN1617 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |

| | | | | | | | | | | | | |
|--|-----------|--------|-----|-----------|-------------------|------------|-----------|------------|-----------|-----------|----|-------------|
| Lead arsenites | 6.1 | UN1618 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Lead azide (dry) | Forbidden | | | | | | | | | | | |
| Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass. | 1.1A | UN0129 | II | 1.1A ... | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| Lead compounds, soluble, n.o.s. | 6.1 | UN2291 | III | 6.1 | 138, IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Lead cyanide | 6.1 | UN1620 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 26 |
| Lead dioxide | 5.1 | UN1872 | III | 5.1 | A1, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| Lead dross, see Lead sulfate, with more than 3 percent free acid. | | | | | | | | | | | | |
| Lead nitrate | 5.1 | UN1469 | II | 5.1, 6.1. | IB8, IP2, IP4 | None | 212 | 242 | 5 kg | 25 kg | A | ..... |
| Lead nitroresorcinate (dry) | Forbidden | | | | | | | | | | | |
| Lead perchlorate, solid | 5.1 | UN1470 | II | 5.1, 6.1. | IB6, IP2, T4, TP1 | None | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| Lead perchlorate, solution | 5.1 | UN1470 | II | 5.1, 6.1. | IB1, T4, TP1 | None | 202 | 243 | 1 L | 5 L | A | 56, 58, 106 |
| Lead peroxide, see Lead dioxide | | | | | | | | | | | | |
| Lead phosphite, dibasic | 4.1 | UN2989 | II | 4.1 | IB8, IP2, IP4 | None | 212 | 240 | 5 kg | 25 kg | B | 34 |
| Lead picrate (dry) | Forbidden | | III | 4.1 | IB8, IP3 | 151 | 213 | 240 | 15 kg | 50 kg | B | 34 |
| Lead styphnate (dry) | Forbidden | | | | | | | | | | | |
| Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass. | 1.1A | UN0130 | II | 1.1A ... | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| Lead sulfate with more than 3 percent free acid. | 8 | UN1794 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| Lead trinitroresorcinate, see Lead styphnate, etc. | | | | | | | | | | | | |
| Life-saving appliances, not self inflating containing dangerous goods as equipment. | 9 | UN3072 | | None | 143 | None | 219 | None | No limit | No limit | A | ..... |
| Life-saving appliances, self inflating. | 9 | UN2990 | | None | | None | 219 | None | No limit | No limit | A | ..... |
| Lighter replacement cartridges containing liquefied petroleum gases (and similar devices, each not exceeding 65 grams), see Lighters or lighter refills etc. containing flammable gas. | | | | | | | | | | | | |
| Lighters, fuse | 1.4S | UN0131 | II | 1.4S ... | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| Lighters or Lighter refills cigarettes, containing flammable gas. | 2.1 | UN1057 | | 2.1 | N10 | None | 21, 308 | None | 1 kg | 15 kg | B | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-------|--------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|--------|
| | | | | | | | 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>Lime, unslaked, see</i> Calcium oxide. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| G | Liquefied gas, flammable, n.o.s. | 2.1 | UN3161 | ..... | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | D | 40 |
| G | Liquefied gas, n.o.s. | 2.2 | UN3163 | ..... | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| G | Liquefied gas, oxidizing, n.o.s. ... | 2.2 | UN3157 | ..... | 2.2, 5.1. | | 306 | 304 | 314, 315. | 75 kg | 150 kg | D | ..... |
| G I | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3308 | ..... | 2.3, 8 | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| G I | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3308 | ..... | 2.3, 8 | 2 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G I | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i> | 2.3 | UN3308 | ..... | 2.3, 8 | 3 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G I | Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3 | UN3308 | ..... | 2.3, 8 | 4 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G I | Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3309 | ..... | 2.3, 2.1, 8. | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 17, 40 |
| G I | Liquefied gas toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3309 | ..... | 2.3, 2.1, 8. | 2 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 17, 40 |
| G I | Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i> | 2.3 | UN3309 | ..... | 2.3, 2.1, 8. | 3 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 17, 40 |
| G I | Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3 | UN3309 | ..... | 2.3, 2.1, 8. | 4 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 17, 40 |
| G | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3160 | ..... | 2.3, 2.1. | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| G | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3160 | ..... | 2.3, 2.1. | 2, B9, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |

| | | | | | | | | | | | | |
|-----|---|-----|--------|--------------|------------------------|------|-----|-----------|-----------|-----------|---|------------|
| G | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C.</i> | 2.3 | UN3160 | 2.3, 2.1. | 3, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G | Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3 | UN3160 | 2.3, 2.1. | 4 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3162 | 2.3 | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| G | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3162 | 2.3 | 2, B9, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C.</i> | 2.3 | UN3162 | 2.3 | 3, B14 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G | Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D.</i> | 2.3 | UN3162 | 2.3 | 4 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| G I | Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i> | 2.3 | UN3310 | 2.3, 5.1, 8. | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40, 89, 90 |
| G I | Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i> | 2.3 | UN3310 | 2.3, 2.1, 8. | 2 | 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, 2.1, 8. | 3 | 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, 2.1, 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 | 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 | 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 | |
| | <i>Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s..</i> | | | | | | | | | | | |
| | <i>Liquefied natural gas, see Methane, etc. (UN 1972).</i> | | | | | | | | | | | |
| | <i>Liquefied petroleum gas see Petroleum gases, liquefied.</i> | | | | | | | | | | | |
| | Lithium | 4.3 | UN1415 | 4.3 | A7, A19, IB1, IP1, N45 | None | 211 | 244 | Forbidden | 15 kg | E | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|-----------------------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | <i>Lithium acetylide ethylene-diamine complex, see Water reactive solid etc.</i> | | | | | | | | | | | | |
| | Lithium alkyls | 4.2 | UN2445 | I | 4.2, 4.3. | B11, T21, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | ..... |
| | Lithium aluminum hydride | 4.3 | UN1410 | I | 4.3 | A19 | None | 211 | 242 | Forbidden | 15 kg | E | ..... |
| | Lithium aluminum hydride, ethe- real. | 4.3 | UN1411 | I | 4.3, 3 | A2, A3, A11, N34 | None | 201 | 244 | Forbidden | 1 L | D | 40 |
| | Lithium batteries, contained in equipment. | 9 | UN3091 | II | 9 | 29 | 185(i) ... | 185 | None | 5 kg | 5 kg | A | ..... |
| | Lithium batteries packed with equipment. | 9 | UN3091 | II | 9 | 29 | 185 | 185 | None | 5 kg gross | 35 kg gross | A | ..... |
| | Lithium battery | 9 | UN3090 | II | 9 | 29 | 185 | 185 | None | 5 kg gross | 35 kg gross | A | ..... |
| | Lithium borohydride | 4.3 | UN1413 | I | 4.3 | A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | ..... |
| | Lithium ferrosilicon | 4.3 | UN2830 | II | 4.3 | A19, IB7, IP2 | 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 | ..... |
| | Lithium hydride, fused solid | 4.3 | UN2805 | II | 4.3 | A8, A19, A20, IB4 | 151 | 212 | 241 | 15 kg | 50 kg | E | ..... |
| | Lithium hydroxide, monohydrate or Lithium hydroxide, solid. | 8 | UN2680 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Lithium hydroxide, solution | 8 | UN2679 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| | Lithium hypochlorite, dry <i>with more than 39% available chlo- rine (8.8% available oxygen)</i> or Lithium hypochlorite mix- tures, dry <i>with more than 39% available chlorine (8.8% avail- able oxygen)</i> . | 5.1 | UN1471 | III | 5.1 | IB3, T4, TP2 | 154 | 203 | 241 | 5 L | 60 L | A | 96 |
| | <i>Lithium in cartridges, see Lith- ium.</i> | | | II | 5.1 | A9, IB8, IP2, IP4, N34 | 152 | 212 | 240 | 5 kg | 25 kg | A | 48, 56, 58, 69, 106, 116 |
| | Lithium nitrate | 5.1 | UN2722 | III | 5.1 | A1, IB8, IP3 | 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 | ..... |
| | Lithium peroxide | 5.1 | UN1472 | II | 5.1 | A9, IB6, IP2, N34 | 152 | 212 | None | 5 kg | 25 kg | A | 13, 75, 106 |
| | Lithium silicon | 4.3 | UN1417 | II | 4.3 | A19, A20, IB7, IP2 | 151 | 212 | 241 | 15 kg | 50 kg | A | 85, 103 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|--|-----------|--------|-----|-----------|--------------------|------|-----|------|-----------|-----------|---|-------------|--|
| LNG, see Methane etc. (UN 1972). | | | | | | | | | | | | | |
| London purple | 6.1 | UN1621 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | | |
| LPG, see Petroleum gases, liquefied. | | | | | | | | | | | | | |
| Lye, see Sodium hydroxide, solutions. | | | | | | | | | | | | | |
| Magnesium alkyls | 4.2 | UN3053 | I | 4.2, 4.3. | B11, T21, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | 18 | |
| Magnesium aluminum phosphide. | 4.3 | UN1419 | I | 4.3, 6.1. | A19, N34, N40 | None | 211 | 242 | Forbidden | 15 kg | E | 40, 85 | |
| Magnesium arsenate | 6.1 | UN1622 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | | |
| Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.. | | | | | | | | | | | | | |
| Magnesium bromate | 5.1 | UN1473 | II | 5.1 | A1, IB8, IP4 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Magnesium chlorate | 5.1 | UN2723 | II | 5.1 | IB8, IP2, IP4 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Magnesium diamide | 4.2 | UN2004 | II | 4.2 | A8, A19, A20, IB6 | None | 212 | 241 | 15 kg | 50 kg | C | | |
| Magnesium diphenyl | 4.2 | UN2005 | I | 4.2 | | None | 187 | 244 | Forbidden | Forbidden | C | | |
| Magnesium dross, wet or hot | Forbidden | | | | | | | | | | | | |
| Magnesium fluorosilicate | 6.1 | UN2853 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 | |
| Magnesium granules, coated, particle size not less than 149 microns. | 4.3 | UN2950 | III | 4.3 | A1, A19, IB8, IP4 | 151 | 213 | 240 | 25 kg | 100 kg | A | | |
| Magnesium hydride | 4.3 | UN2010 | I | 4.3 | A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | | |
| Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons. | 4.1 | UN1869 | III | 4.1 | A1, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | 39 | |
| Magnesium nitrate | 5.1 | UN1474 | III | 5.1 | A1, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | | |
| Magnesium perchlorate | 5.1 | UN1475 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Magnesium peroxide | 5.1 | UN1476 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 13, 75, 106 | |
| Magnesium phosphide | 4.3 | UN2011 | I | 4.3, 6.1. | A19, N40 | None | 211 | None | Forbidden | 15 kg | E | 40, 85 | |
| Magnesium, powder or Magnesium alloys, powder. | 4.3 | UN1418 | I | 4.3, 4.2. | A19, B56 | None | 211 | 244 | Forbidden | 15 kg | A | 39 | |
| | | | II | 4.3, 4.2. | A19, B56, IB5, IP2 | None | 212 | 241 | 15 kg | 50 kg | A | 39 | |
| | | | III | 4.3, 4.2. | A19, B56, IB8, IP4 | None | 213 | 241 | 25 kg | 100 kg | A | 39 | |
| Magnesium scrap, see Magnesium, etc. (UN 1869). | | | | | | | | | | | | | |
| Magnesium silicide | 4.3 | UN2624 | II | 4.3 | A19, A20, IB7, IP2 | 151 | 212 | 241 | 15 kg | 50 kg | B | 85, 103 | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|--|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Magnetized material, see § 173.21.</i> | | | | | | | | | | | | |
| | Maleic anhydride | 8 | UN2215 | III | 8 | IB8, IP3, T4, TP1 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Malononitrile | 6.1 | UN2647 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 12 |
| | <i>Mancozeb (manganese ethylenebisdithiocarbamate complex with zinc) see Maneb.</i> | | | | | | | | | | | | |
| | Maneb or Maneb preparations with not less than 60 percent maneb. | 4.2 | UN2210 | III | 4.2, 4.3. | 57, A1, A19, IB6 | None | 213 | 242 | 25 kg | 100 kg | A | 34 |
| | Maneb stabilized or Maneb preparations, stabilized against self-heating. | 4.3 | UN2968 | III | 4.3 | 54, A1, A19, IB8, IP4 | 151 | 213 | 242 | 25 kg | 100 kg | B | 34 |
| | Manganese nitrate | 5.1 | UN2724 | III | 5.1 | A1, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Manganese resinate | 4.1 | UN1330 | III | 4.1 | A1, IB6 | 151 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Mannitan tetranitrate | Forbidden | | | | | | | | | | | |
| | Mannitol hexanitrate (dry) | Forbidden | | | | | | | | | | | |
| | Mannitol hexanitrate, wetted or Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass. | 1.1D | UN0133 | II | 1.1D .. | 121 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | <i>Marine pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s.</i> | | | | | | | | | | | | |
| | <i>Matches, block, see Matches, 'strike anywhere'.</i> | | | | | | | | | | | | |
| | Matches, fusee | 4.1 | UN2254 | III | 4.1 | | 186 | 186 | None | Forbidden | Forbidden | A | ..... |
| | Matches, safety (book, card or strike on box). | 4.1 | UN1944 | III | 4.1 | | 186 | 186 | None | 25 kg | 100 kg | A | ..... |
| | Matches, strike anywhere | 4.1 | UN1331 | III | 4.1 | | 186 | 186 | None | Forbidden | Forbidden | B | ..... |
| | Matches, wax, Vesta | 4.1 | UN1945 | III | 4.1 | | 186 | 186 | None | 25 kg | 100 kg | B | ..... |
| | <i>Matting acid, see Sulfuric acid ...</i> | | | | | | | | | | | | |
| | Medicine, liquid, flammable, toxic, n.o.s.. | 3 | UN3248 | II | 3, 6.1 | 36, IB2 | None | 202 | None | 1 L | 5 L | B | 40 |
|  | ..... |  |  | III | 3, 6.1 | 36, IB3 | 150 | 203 | None | 5 L | 5 L | A | ..... |
| | Medicine, liquid, toxic, n.o.s. | 6.1 | UN1851 | II | 6.1 | | 153 | 202 | 243 | 5 L | 5 L | C | 40 |
|  | ..... |  |  | III | 6.1 | | 153 | 203 | 241 | 5 L | 5 L | C | 40 |

| | | | | | | | | | | | |
|---|-----------|--------|---------------|-----------------------------|------------|-----------|------------|-----------|--------|-------|---------|
| Medicine, solid, toxic, n.o.s. | 6.1 | UN3249 | II 6.1 | 36 | 153 | 212 | None | 5 kg | 5 kg | C | 40 |
| ..... | ..... | ..... | III 6.1 | 36 | 153 | 213 | None | 5 kg | 5 kg | C | 40 |
| <i>Mentetrahydrophthalic anhydride, see Corrosive liquids, n.o.s..</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mercaptans, liquid, flammable, n.o.s. or Mercaptan mixture, liquid, flammable, n.o.s.. | 3 | UN3336 | I 3 | T11, TP2 | 150 | 201 | 243 | 1 L | 30 L | E | 95 |
| ..... | ..... | ..... | II 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | 95 |
| ..... | ..... | ..... | III 3 | B1, B52, IB3, T4, TP1, TP29 | 150 | 203 | 241 | 60 L | 220 L | B | 95 |
| Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, 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 |
| ..... | ..... | ..... | III 3, 6.1 | B1, IB3, T7, TP1, TP28 | 150 | 203 | 242 | 5 L | 220 L | A | 40, 95 |
| Mercaptans, liquid, toxic, flammable, n.o.s. or Mercaptan mixtures, liquid, toxic, flammable, n.o.s., flash point not less than 23 degrees C. | 6.1 | UN3071 | II 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | C | 40, 121 |
| 5-Mercaptotetrazol-1-acetic acid | 1.4C | UN0448 | II 1.4C .. | ..... | None | 62 | None | Forbidden | 75 kg | 09 | ..... |
| Mercuric arsenate | 6.1 | UN1623 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Mercuric chloride | 6.1 | UN1624 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| <i>Mercuric compounds, see Mercury compounds, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mercuric nitrate | 6.1 | UN1625 | II 6.1 | IB8, IP2, IP4, N73 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| + Mercuric potassium cyanide | 6.1 | UN1626 | I 6.1 | IB7, IP1, N74, N75 | None | 211 | 242 | 5 kg | 50 kg | A | 26 |
| <i>Mercuric sulfocyanate, see Mercury thiocyanate.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Mercuriol, see Mercury nucleate</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Mercurous azide</i> | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Mercurous compounds, see Mercury compounds, etc.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mercurous nitrate | 6.1 | UN1627 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Mercury | 8 | UN2809 | III 8 ..... | ..... | 164 | 164 | 240 | 35 kg | 35 kg | B | 40, 97 |
| Mercury acetate | 6.1 | UN1629 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| <i>Mercury acetylde</i> | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mercury ammonium chloride | 6.1 | UN1630 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2778 | I 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| ..... | ..... | ..... | II 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| Mercury based pesticides, liquid, toxic. | 6.1 | UN3012 | I 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
|  | ..... | ..... |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... | ..... |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN3011 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... | ..... |  | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... | ..... |  | III | 6.1, 3 | IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Mercury based pesticides, solid, toxic. | 6.1 | UN2777 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
|  | ..... | ..... |  | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
|  | ..... | ..... |  | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Mercury benzoate | 6.1 | UN1631 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Mercury bromides | 6.1 | UN1634 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Mercury compounds, liquid, n.o.s.. | 6.1 | UN2024 | I | 6.1 | | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... | ..... |  | II | 6.1 | IB2 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... | ..... |  | III | 6.1 | IB3 | 153 | 203 | 241 | 60 L | 220 L | B | 40 |
| | Mercury compounds, solid, n.o.s.. | 6.1 | UN2025 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | ..... |
|  | ..... | ..... |  | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
|  | ..... | ..... |  | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| A | Mercury contained in manufac- tured articles. | 8 | UN2809 | III | 8 | | None | 164 | None | No limit | No limit | B | 40, 97 |
| | Mercury cyanide | 6.1 | UN1636 | II | 6.1 | IB8, IP2, IP4, N74, N75 | None | 212 | 242 | 25 kg | 100 kg | A | 26 |
| | Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass. | 1.1A | UN0135 | II | 1.1A ... | 111, 117 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| | Mercury gluconate | 6.1 | UN1637 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Mercury iodide, solid | 6.1 | UN1638 | II | 6.1 | IB2, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Mercury iodide aquabasic ammonobasic (Iodide of Millon's base). | Forbidden | | | | | | | | | | | |
| | Mercury iodide, solution | 6.1 | UN1638 | II | 6.1 | IB8, IP2, IP4 | None | 202 | 243 | 5 L | 60 L | A | ..... |

204

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-----|-------------|--|--------------------------|-----------|------|--------------------------|-----------------------|-----------------------|------------|
| | | | | | | | 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 | Metaldehyde | 4.1 | UN1332 | III | 4.1 | A1, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | B | 40 |
| | Metallic substance, water-reactive, n.o.s.. | 4.3 | UN3208 | I | 4.3 | A1, IB8, IP3 IB4 | 151 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| G | Metallic substance, water-reactive, self-heating, n.o.s.. | 4.3 | UN3209 | II | 4.3 | IB7, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | E | 40 |
| | | | | III | 4.3 | IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | E | 40 |
| | | | | I | 4.3 | | None | 211 | 242 | Forbidden | 15 kg | E | 40 |
| | | | | II | 4.3, 4.2 | IB5, IP2 | None | 212 | 242 | 15 kg | 50 kg | E | 40 |
| | | | | III | 4.3, 4.2 | IB8, IP4 | None | 213 | 242 | 25 kg | 100 kg | E | 40 |
| | Methacrylaldehyde, stabilized | 3 | UN2396 | II | 3, 6.1 | 45, IB2, T7, TP1, TP13 | None | 202 | 243 | 1 L | 60 L | E | 40 |
| | Methacrylic acid, stabilized | 8 | UN2531 | II | 8 | IB3, T4, TP1, TP18 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| + | Methacrylonitrile, stabilized | 3 | UN3079 | I | 3, 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 12, 40, 48 |
| | Methallyl alcohol | 3 | UN2614 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <i>Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures, etc.</i> | | | | | | | | | | | | |
| | Methane, compressed or Natural gas, compressed (with high methane content). | 2.1 | UN1971 | | 2.1 | | 306 | 302 | 302 | Forbidden | 150 kg | E | 40 |
| | Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid), with high methane content). | 2.1 | UN1972 | | 2.1 | T75, TP5 | None | None | 318 | Forbidden | Forbidden | D | 40 |
| | Methanesulfonyl chloride | 6.1 | UN3246 | I | 6.1, 8 | 2, B9, B14, B32, B74, T20, TP2, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| + I | Methanol | 3 | UN1230 | II | 3, 6.1 | IB2, T7, TP2 | 150 | 202 | 242 | 1 L | 60 L | B | 40 |
| D | Methanol | 3 | UN1230 | II | 3 | IB2, T7, TP2 | 150 | 202 | 242 | 1 L | 60 L | B | 40 |
| | Methazoic acid | Forbidden | | | | | | | | | | | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|-------|--------|-------|--------|-------|---|-------|-------|-------|-------|-----------|-------|-----------|-----------|-------|-------|
| 4-Methoxy-4-methylpentan-2-one. | 3 | UN2293 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |
| + 1-Methoxy-2-propanol | 3 | UN3092 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |
| Methoxymethyl isocyanate | 3 | UN2605 | I | 3, 6.1 | ..... | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | ..... | 226 | ..... | 244 | ..... | Forbidden | Forbidden | D | 40 |
| Methyl acetate | 3 | UN1231 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| Methyl acetylene and propadiene mixtures, stabilized. | 2.1 | UN1060 | ..... | 2.1 | ..... | T50 | 306 | ..... | 304 | ..... | 314, 315. | ..... | Forbidden | 150 kg | B | 40 |
| Methyl acrylate, stabilized | 3 | UN1919 | II | 3 | ..... | IB2, T4, TP1, TP13 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| Methyl alcohol, see Methanol ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Methyl allyl chloride | 3 | UN2554 | II | 3 | ..... | IB2, T4, TP1, TP13 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | E | ..... |
| Methyl amyl ketone, see Amyl methyl ketone. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Methyl bromide | 2.3 | UN1062 | ..... | 2.3 | ..... | 3, B14, T50 | None | ..... | 193 | ..... | 314, 315. | ..... | Forbidden | 25 kg | D | 40 |
| Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Methyl bromide and ethylene dibromide mixtures, liquid. | 6.1 | UN1647 | I | 6.1 | ..... | 2, B9, B14, B32, B74, N65, T20, TP2, TP13, TP38, TP44 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | C | 40 |
| Methyl bromoacetate | 6.1 | UN2643 | II | 6.1 | ..... | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | D | 40 |
| 2-Methyl-1-butene | 3 | UN2459 | I | 3 | ..... | T11, TP2 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | E | ..... |
| 2-Methyl-2-butene | 3 | UN2460 | II | 3 | ..... | IB2, T7, TP1 | None | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | E | ..... |
| 3-Methyl-1-butene | 3 | UN2561 | I | 3 | ..... | T11, TP2 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | E | ..... |
| Methyl tert-butyl ether | 3 | UN2398 | II | 3 | ..... | IB2, T7, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | E | ..... |
| Methyl butyrate | 3 | UN1237 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| Methyl chloride, or Refrigerant gas R 40. | 2.1 | UN1063 | ..... | 2.1 | ..... | T50 | 306 | ..... | 304 | ..... | 314, 315. | ..... | 5 kg | 100 kg | D | 40 |
| Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Methyl chloride and methylene chloride mixtures. | 2.1 | UN1912 | ..... | 2.1 | ..... | T50 | 306 | ..... | 304 | ..... | 314, 315. | ..... | Forbidden | 150 kg | D | 40 |
| Methyl chloroacetate | 6.1 | UN2295 | I | 6.1, 3 | ..... | T14, TP2, TP13 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | D | ..... |
| Methyl chlorocarbonate, see Methyl chloroformate. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Methyl chloroform, see 1,1,1-Tri-chloroethane. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Methyl chloroformate | 6.1 | UN1238 | I | 6.1, 3, 8. | 1, B9, B14, B30, B72, N34, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 21, 40, 100 |
| | Methyl chloromethyl ether | 6.1 | UN1239 | I | 6.1, 3 | 1, B9, B14, B30, B72, T22, TP2, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| | Methyl 2-chloropropionate | 3 | UN2933 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Methyl dichloroacetate | 6.1 | UN2299 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | <i>Methyl ethyl ether, see Ethyl methyl ether.</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 | | | | | | | | | | | |
| | 2-Methyl-5-ethylpyridine | 6.1 | UN2300 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Methyl fluoride, or Refrigerant gas R 41. | 2.1 | UN2454 | | 2.1 | | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| | Methyl formate | 3 | UN1243 | I | 3 | T11, TP2 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |
| | 2-Methyl-2-heptanethiol | 6.1 | UN3023 | I | 6.1, 3 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40, 102 |
| | Methyl iodide | 6.1 | UN2644 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | A | 12, 40 |
| | Methyl isobutyl carbinol | 3 | UN2053 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Methyl isobutyl ketone | 3 | UN1245 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | <i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i> | Forbidden | | | | | | | | | | | |
| | Methyl isocyanate | 6.1 | UN2480 | I | 6.1, 3 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 26, 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|-----------|--------|-------|-----------|-------|--|------|-------|-----|-------|-----------|-------|-----------|-----------|---|-------|
| Methyl isopropenyl ketone, stabilized. | 3 | UN1246 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| Methyl isothiocyanate | 6.1 | UN2477 | I | 6.1, 3 | | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | A | ..... |
| Methyl isovalerate | 3 | UN2400 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| Methyl magnesium bromide, in ethyl ether. | 4.3 | UN1928 | I | 4.3, 3 | | | None | ..... | 201 | ..... | 243 | ..... | Forbidden | 1 L | D | ..... |
| Methyl mercaptan | 2.3 | UN1064 | ..... | 2.3, 2.1. | | 3, B7, B9, B14, T50 | None | ..... | 304 | ..... | 314, 315. | ..... | Forbidden | 25 kg | D | 40 |
| <i>Methyl mercaptopropionaldehyde, see Thia-4-pentanal.</i> | | | | | | | | | | | | | | | | |
| Methyl methacrylate monomer, stabilized. | 3 | UN1247 | II | 3 | ..... | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | 40 |
| <i>Methyl nitramine (dry)</i> | Forbidden | | | | | | | | | | | | | | | |
| <i>Methyl nitrate</i> | Forbidden | | | | | | | | | | | | | | | |
| <i>Methyl nitrite</i> | Forbidden | | | | | | | | | | | | | | | |
| <i>Methyl norbornene dicarboxylic anhydride, see Corrosive liquids, n.o.s.</i> | | | | | | | | | | | | | | | | |
| Methyl orthosilicate | 6.1 | UN2606 | I | 6.1, 3 | | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | E | 40 |
| D Methyl phosphonic dichloride | 6.1 | NA9206 | I | 6.1, 8 | | 2, A3, B9, B14, B32, B74, N34, N43, T20, TP4, TP12, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | C | ..... |
| <i>Methyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, n.o.s.</i> | | | | | | | | | | | | | | | | |
| D Methyl phosphonous dichloride, pyrophoric liquid. | 6.1 | NA2845 | I | 6.1, 4.2. | | 2, B9, B14, B16, B32, B74, 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, 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 | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym- bols | Hazardous materials descrip- tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|--------------|--|----------------------------------|----------------------------------|-------|--------------------|--|-----------------------------|--------------|--------------|-----------------------------|--------------------------|-----------------------------|---------------------------|
| | | | | | | | 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>Methyl trimethylol methane trinitrate.</i> Methyl vinyl ketone, stabilized ... | Forbidden 6.1 | UN1251 |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Methylal | 3 | UN1234 |  | ..... |  | ..... | ..... | ..... | 5 L | 60 L | E | |
| | Methylamine, anhydrous | 2.1 | UN1061 | ..... | 2.1 | IB2, T7, TP2 T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| | Methylamine, aqueous solution <i>Methylamine dinitramine and dry salts thereof.</i> | 3 Forbidden | UN1235 |  | ..... | B1, IB2, T7, TP1 | 150 | 202 | 243 | 1 L | 5 L | E | 41 |
| | <i>Methylamine nitroform</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Methylamine perchlorate (dry)</i> ... | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Methylamyl acetate | 3 | UN1233 |  | ..... | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | N-Methylaniline | 6.1 | UN2294 |  | ..... | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | alpha-Methylbenzyl alcohol | 6.1 | UN2937 |  | ..... | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | 3-Methylbutan-2-one | 3 | UN2397 |  | ..... | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | N-Methylbutylamine | 3 | UN2945 |  | ..... | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| | Methylchlorosilane | 2.3 | UN2534 | ..... | 2.3, 2.1, 8. | 2, A2, A3, A7, B9, B14, N34 | None | 226 | 314, 315. | Forbidden | Forbidden | D | 17, 40 |
| | Methylcyclohexane | 3 | UN2296 |  | ..... | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Methylcyclohexanols, <i>flammable</i> | 3 | UN2617 |  | ..... | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Methylcyclohexanone | 3 | UN2297 |  | ..... | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Methylcyclopentane | 3 | UN2298 |  | ..... | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| D | Methyldichloroarsine | 6.1 | NA1556 |  | ..... | 2, T20, TP4, TP12, TP13, TP38, TP45 | None | 192 | None | Forbidden | Forbidden | D | 40 |
| | Methyldichlorosilane | 4.3 | UN1242 |  | ..... | 4.3, 8, 3, A2, A3, A7, B6, B77, N34, T10, TP2, TP7, TP13 | None | 201 | 243 | Forbidden | 1 L | D | 21, 28, 40, 49, 100 |
| | <i>Methylene chloride</i> , see Dichloromethane. | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Methylene glycol dinitrate</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | 2-Methylfuran | 3 | UN2301 |  | ..... | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | <i>a-Methylglucoside tetranitrate</i> ... | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>a-Methylglycerol trinitrate</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | 5-Methylhexan-2-one | 3 | UN2302 | | | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

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|--|-----------|--------|-----|------------|--|------|-----|------|-----------|-----------|----|-----------------|
| Methylhydrazine | 6.1 | UN1244 | I | 6.1, 3, 8. | 1, B7, B9, B14, B30, B72, B77, N34, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 21, 40, 49, 100 |
| 4-Methylmorpholine or n-methylmorpholine. | 3 | UN2535 | II | 3, 8 | B6, IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| 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 | ..... |
| <i>Methylpentanes, see Hexanes</i> | | | | | | | | | | | | |
| Methylphenyldichlorosilane | 8 | UN2437 | II | 8 | IB2, T7, TP2, TP13 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| 1-Methylpiperidine | 3 | UN2399 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | ..... |
| Methyltetrahydrofuran | 3 | UN2536 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Methyltrichlorosilane | 3 | UN1250 | I | 3, 8 | A7, B6, B77, N34, T11, TP2, TP13 | None | 201 | 243 | Forbidden | 2.5 L | B | 40 |
| alpha-Methylvaleraldehyde | 3 | UN2367 | II | 3 | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| <i>Mine rescue equipment containing carbon dioxide, see Carbon dioxide.</i> | | | | | | | | | | | | |
| Mines with bursting charge | 1.1F | UN0136 | II | 1.1F | | | 62 | None | Forbidden | Forbidden | 08 | ..... |
| Mines with bursting charge | 1.1D | UN0137 | II | 1.1D | | | 62 | None | Forbidden | Forbidden | 03 | ..... |
| Mines with bursting charge | 1.2D | UN0138 | II | 1.2D | | | 62 | None | Forbidden | Forbidden | 03 | ..... |
| Mines with bursting charge | 1.2F | UN0294 | II | 1.2F | | | 62 | None | Forbidden | Forbidden | 08 | ..... |
| <i>Mixed acid, see Nitrating acid, mixtures etc.</i> | | | | | | | | | | | | |
| <i>Mobility aids, see Battery powered equipment or Battery powered vehicle'.</i> | | | | | | | | | | | | |
| D Model rocket motor | 1.4C | NA0276 | II | 1.4C | 51 | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| D Model rocket motor | 1.4S | NA0323 | II | 1.4S | 51 | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| Molybdenum pentachloride | 8 | UN2508 | III | 8 | IB8, IP3, T4, TP1 | 154 | 213 | 240 | 25 kg | 100 kg | C | 40 |
| <i>Monochloroacetone (unstabilized).</i> | Forbidden | | | | | | | | | | | |
| <i>Monochloroethylene, see Vinyl chloride, stabilized.</i> | | | | | | | | | | | | |
| <i>Monoethanolamine, see Ethanolamine, solutions.</i> | | | | | | | | | | | | |
| <i>Monoethylamine, see Ethylamine.</i> | | | | | | | | | | | | |
| Morpholine | 8 | UN2054 | I | 8, 3 | T10, TP2 | None | 201 | 243 | .5 L | 2.5 L | C | 25,40 |
| <i>Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s..</i> | | | | | | | | | | | | |
| Motor fuel anti-knock compounds see Motor fuel anti-knock mixtures. | | | | | | | | | | | | |
| + Motor fuel anti-knock mixtures ... | 6.1 | UN1649 | I | 6.1, 3 | 14, B9, B90, T14, TP2, TP13 | None | 201 | 244 | Forbidden | 30 L | D | 25, 40 |
| Motor spirit, see Gasoline | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|--|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Muriatic acid, see</i> Hydrochloric acid. | | | | | | | | | | | | |
| | Musk xylene, <i>see</i> 5-tert-Butyl-2,4,6-trinitro-m-xylene. | | | | | | | | | | | | |
| | <i>Naphtha see</i> Petroleum dis- tillates n.o.s.. | | | | | | | | | | | | |
| | Naphthalene, crude or Naph- thalene, refined. | 4.1 | UN1334 | III | 4.1 | A1, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | |
| | <i>Naphthalene diozonide</i> | Forbidden | | | | | | | | | | | |
| | beta-Naphthylamine | 6.1 | UN1650 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | alpha-Naphthylamine | 6.1 | UN2077 | III | 6.1 | IB8, IP3, T3, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | |
| | Naphthalene, molten | 4.1 | UN2304 | III | 4.1 | A1, IB1, T1, TP3 | 151 | 213 | 241 | Forbidden | Forbidden | C | |
| | <i>Naphthylamineperchlorate</i> | Forbidden | | | | | | | | | | | |
| | Naphthylthiourea | 6.1 | UN1651 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | Naphthylurea | 6.1 | UN1652 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | <i>Natural gases (with high meth- ane content), see</i> Methane, <i>etc. (UN 1971, UN 1972).</i> | | | | | | | | | | | | |
| | <i>Neohexane, see</i> Hexanes | | | | | | | | | | | | |
| | Neon, compressed | 2.2 | UN1065 | | 2.2 | | 306 | 302 | 302 | 75 kg | 150 kg | A | |
| | Neon, refrigerated liquid (<i>cryo- genic liquid</i>). | 2.2 | UN1913 | | 2.2 | T75, TP5 | 320 | 316 | None | 50 kg | 500 kg | B | |
| | <i>New explosive or explosive de- vice, see</i> §§ 173.51 and 173.56. | | | | | | | | | | | | |
| | Nickel carbonyl | 6.1 | UN1259 | I | 6.1, 3 | 1 | None | 198 | None | Forbidden | Forbidden | D | 18, 40 |
| | Nickel cyanide | 6.1 | UN1653 | II | 6.1 | IB8, IP2, IP4, N74, N75 | None | 212 | 242 | 25 kg | 100 kg | A | 26 |
| | Nickel nitrate | 5.1 | UN2725 | III | 5.1 | A1, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | |
| | Nickel nitrite | 5.1 | UN2726 | III | 5.1 | A1, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 56, 58 |
| | <i>Nickel picrate</i> | Forbidden | | | | | | | | | | | |
| | Nicotine | 6.1 | UN1654 | II | 6.1 | IB2 | None | 202 | 243 | 5 L | 60 L | A | |
| | Nicotine compounds, liquid, n.o.s. or Nicotine prepara- tions, liquid, n.o.s.. | 6.1 | UN3144 | I | 6.1 | A4 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|-----------|--------|-------|--------------|-------|---|------|-------|-----|-------|------|-------|-----------|-----------|---|--------------------------|
| ..... | ..... | ..... | III | 6.1 | ..... | IB3, T7, TP1, TP28 | 153 | ..... | 203 | ..... | 241 | ..... | 60 L | 220 L | B | 40 |
| Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.. | 6.1 | UN1655 | I | 6.1 | ..... | IB7, IP1 | None | ..... | 211 | ..... | 242 | ..... | 5 kg | 50 kg | B | ..... |
| ..... | ..... | ..... | II | 6.1 | ..... | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | ..... |
| Nicotine hydrochloride or Nicotine hydrochloride solution. | 6.1 | UN1656 | III | 6.1 | ..... | IB8, IP3 | 153 | ..... | 213 | ..... | 240 | ..... | 100 kg | 200 kg | A | ..... |
| Nicotine salicylate | 6.1 | UN1657 | II | 6.1 | ..... | IB2, IP2, IP4 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| Nicotine sulfate, solid | 6.1 | UN1658 | II | 6.1 | ..... | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | ..... |
| Nicotine sulfate, solution | 6.1 | UN1658 | II | 6.1 | ..... | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | ..... |
| Nicotine tartrate | 6.1 | UN1659 | II | 6.1 | ..... | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| Nitrated paper (unstable) | Forbidden | ..... | II | 6.1 | ..... | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | ..... |
| Nitrates, inorganic, aqueous solution, n.o.s.. | 5.1 | UN3218 | II | 5.1 | ..... | 58, IB2, T4, TP1 | 152 | ..... | 202 | ..... | 242 | ..... | 1 L | 5 L | B | 46 |
| ..... | ..... | ..... | III | 5.1 | ..... | 58, IB2, T4, TP1 | 152 | ..... | 203 | ..... | 241 | ..... | 2.5 L | 30 L | B | 46 |
| Nitrates, inorganic, n.o.s. | 5.1 | UN1477 | II | 5.1 | ..... | IB8, IP2, IP4 | 152 | ..... | 212 | ..... | 240 | ..... | 5 kg | 25 kg | A | 46 |
| Nitrates of diazonium compounds. | Forbidden | ..... | III | 5.1 | ..... | IB8, IP3 | 152 | ..... | 213 | ..... | 240 | ..... | 25 kg | 100 kg | A | 46 |
| Nitrating acid mixtures, spent with more than 50 percent nitric acid. | 8 | UN1826 | I | 8, 5.1 | ..... | T10, TP2, TP12, TP13 | None | ..... | 158 | ..... | 243 | ..... | Forbidden | 2.5 L | D | 40, 66 |
| Nitrating acid mixtures spent with not more than 50 percent nitric acid. | 8 | UN1826 | II | 8 | ..... | B2, IB2, T8, TP2, TP12 | None | ..... | 158 | ..... | 242 | ..... | Forbidden | 30 L | D | 40 |
| Nitrating acid mixtures with more than 50 percent nitric acid. | 8 | UN1796 | I | 8, 5.1 | ..... | T10, TP2, TP12, TP13 | None | ..... | 158 | ..... | 243 | ..... | Forbidden | 2.5 L | D | 40, 66 |
| Nitrating acid mixtures with not more than 50 percent nitric acid. | 8 | UN1796 | II | 8 | ..... | B2, IB2, T8, TP2, TP12, TP13 | None | ..... | 158 | ..... | 242 | ..... | Forbidden | 30 L | D | 40 |
| Nitric acid other than red fuming, with more than 70 percent nitric acid. | 8 | UN2031 | I | 8, 5.1 | ..... | B47, B53, T10, TP2, TP12, TP13 | None | ..... | 158 | ..... | 243 | ..... | Forbidden | 2.5 L | D | 44, 66, 89, 90, 110, 111 |
| Nitric acid other than red fuming, with not more than 70 percent nitric acid. | 8 | UN2031 | II | 8 | ..... | B2, B47, B53, IB2, T8, TP2, TP12 | None | ..... | 158 | ..... | 242 | ..... | Forbidden | 30 L | D | 44, 66, 89, 90, 110, 111 |
| + Nitric acid, red fuming | 8 | UN2032 | I | 8, 5.1, 6.1. | ..... | 2, B9, B32, B74, T20, TP2, TP12, TP13, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | D | 40, 66, 74, 89, 90 |
| Nitric oxide, compressed | 2.3 | UN1660 | ..... | 2.3, 5.1, 8. | ..... | 1, B37, B46, B50, B60, B77 | None | ..... | 337 | ..... | None | ..... | Forbidden | Forbidden | D | 40, 89, 90 |
| Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures. | 2.3 | UN1975 | ..... | 2.3, 5.1, 8. | ..... | 1, B7, B9, B14, B45, B46, B61, B66, B67, B77 | None | ..... | 337 | ..... | None | ..... | Forbidden | Forbidden | D | 40, 89, 90 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-------|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|------------|
| | | | | | | | 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 | Nitriles, flammable, toxic, n.o.s. | 3 | UN3273 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | E | 40, 52 |
| | | | | | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | | 1 L | 60 L | B | 40, 52 |
| G | Nitriles, toxic, flammable, n.o.s. | 6.1 | UN3275 | I | 6.1, 3 | 5, T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| G | Nitriles, toxic, n.o.s. | 6.1 | UN3276 | I | 6.1 | 5, T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | ..... |
| | | | | | 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 5 L | 60 L | B | ..... |
| | | | | | 6.1 | IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Nitrites, inorganic, aqueous solu- tion, n.o.s.. | 5.1 | UN3219 | II | 5.1 | IB1, T4, TP1 | 152 | 202 | 242 | 1 L | 5 L | B | 46, 56, 58 |
| | | | | | 5.1 | IB2, T4, TP1 | 152 | 203 | 241 | 2.5 L | 30 L | B | 46, 56, 58 |
| | Nitrites, inorganic, n.o.s. | 5.1 | UN2627 | II | 5.1 | 33, IB8, IP4 | 152 | 212 | None | 5 kg | 25 kg | A | 46, 56, 58 |
| | 3-Nitro-4-chlorobenzotrifluoride .. | 6.1 | UN2307 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| | 6-Nitro-4-diazotoluene-3-sulfonic acid (dry). | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Nitro isobutane triol trinitrate | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | N-Nitro-N-methylglycolamide ni- trate. | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 2-Nitro-2-methylpropanol nitrate | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Nitro urea | 1.1D | UN0147 | II | 1.1D .. | ..... | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | N-Nitroaniline | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| + | Nitroanilines (o-; m-; p-) | 6.1 | UN1661 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| + | Nitroanisole | 6.1 | UN2730 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| + | Nitrobenzene | 6.1 | UN1662 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| | m-Nitrobenzene diazonium per- chlorate. | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Nitrobenzenesulfonic acid | 8 | UN2305 | II | 8 | IB2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
| | Nitrobenzol, see Nitrobenzene ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 5-Nitrobenzotriazol | 1.1D | UN0385 | II | 1.1D .. | ..... | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Nitrobenzotrifluorides | 6.1 | UN2306 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |

§ 172.101
49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-------|-----------|-------------------|------------|-----------|------------|-----------|-----------|-------|-------|
| Nitrobromobenzenes liquid | 6.1 | UN2732 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| Nitrobromobenzenes solid | 6.1 | UN2732 | III | 6.1 | IB8, IP3, T4, TP1 | 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 | 13 | 27E |
| 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 | 10 | ..... |
| Nitrocellulose, solution, flammable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose. | 3 | UN2059 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass. | 1.1D | UN0341 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Nitrocellulose, wetted with not less than 25 percent alcohol, by mass. | 1.3C | UN0342 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 13 | 27E |
| Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass. | 4.1 | UN2556 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass, or Nitrocellulose mixture with pigment or Nitrocellulose mixture with plasticizer or Nitrocellulose mixture with pigment and plasticizer. | 4.1 | UN2557 | II | 4.1 | 44 | 151 | 212 | None | 1 kg | 15 kg | D | 28 |
| 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 |
| Nitrochlorobenzene, see Chloronitrobenzenes etc. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Nitrocresols | 6.1 | UN2446 | III | 6.1 | IB8, IP3 | 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 | 302 | 314, 315. | 75 kg | 150 kg | A | ..... |
| Nitrogen dioxide, see Dinitrogen tetroxide. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc.</i> | | | | | | | | | | | | |
| | <i>Nitrogen, mixtures with rare gases, see Rare gases and nitrogen mixtures.</i> | | | | | | | | | | | | |
| | <i>Nitrogen peroxide, see Dinitrogen tetroxide.</i> | | | | | | | | | | | | |
| | Nitrogen, refrigerated liquid cryo- genic liquid. | 2.2 | UN1977 | | 2.2 | T75, TP5 | 320 | 316 | 318 | 50 kg | 500 kg | D | |
| | <i>Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures.</i> | | | | | | | | | | | | |
| | <i>Nitrogen tetroxide, see Dinitrogen tetroxide.</i> | | | | | | | | | | | | |
| | Nitrogen trichloride | Forbidden | | | | | | | | | | | |
| | Nitrogen trifluoride, compressed | 2.2 | UN2451 | | 2.2, 5.1 | | None | 302 | None | 75 kg | 150 kg | D | 40 |
| | <i>Nitrogen triiodide</i> | Forbidden | | | | | | | | | | | |
| | <i>Nitrogen triiodide monoamine</i> | Forbidden | | | | | | | | | | | |
| | Nitrogen trioxide | 2.3 | UN2421 | | 2.3, 5.1, 8, 6.1 | 1 | None | 336 | 245 | Forbidden | Forbidden | D | 40, 89, 90 |
| | Nitroglycerin, desensitized with not less than 40 percent non- volatile water insoluble phlegmatizer, by mass. | 1.1D | UN0143 | II | 1.1D, 6.1 | 125 | None | 62 | None | Forbidden | Forbidden | 13 | 21E |
| | <i>Nitroglycerin, liquid, not desensitized.</i> | Forbidden | | | | | | | | | | | |
| | Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass. | 3 | UN3343 | | 3 | 129 | None | 214 | None | Forbidden | Forbidden | D | |
| | Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30% nitroglycerin, by mass. | 3 | UN3357 | II | 3 | 142 | None | 202 | 243 | 5 L | 60 L | E | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|--|-----------|--------|-----|--------|-------|------------------------------------|------|-------|------|-------|-----------|-------|-----------|-----------|----|--------------------|
| Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass. | 4.1 | UN3319 | II | 4.1 | ..... | 118 | None | ..... | None | ..... | None | ..... | Forbidden | 0.5 kg | E | ..... |
| Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin. | 3 | UN3064 | II | 3 | ..... | N8 | None | ..... | 202 | ..... | None | ..... | Forbidden | 5 L | E | ..... |
| Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin. | 1.1D | UN0144 | II | 1.1D | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 10 | 21E |
| Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin. | 3 | UN1204 | II | 3 | ..... | IB2, N34 | None | ..... | 202 | ..... | None | ..... | 5 L | 60 L | B | ..... |
| Nitroguanidine nitrate | Forbidden | | | | | | | | | | | | | | | |
| Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass. | 1.1D | UN0282 | II | 1.1D | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 10 | ..... |
| Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass. | 4.1 | UN1336 | I | 4.1 | ..... | 23, A8, A19, A20, N41 | None | ..... | 211 | ..... | None | ..... | 1 kg | 15 kg | E | 28 |
| 1-Nitrohydantoin | Forbidden | | | | | | | | | | | | | | | |
| Nitrohydrochloric acid | 8 | UN1798 | I | 8 | ..... | A3, B10, N41, T10, TP2, TP12, TP13 | None | ..... | 201 | ..... | 243 | ..... | Forbidden | 2.5 L | D | 40, 66, 74, 89, 90 |
| Nitromannite (dry) | Forbidden | | | | | | | | | | | | | | | |
| Nitromannite, wetted, see Mannitol hexanitrate, etc. | | | | | | | | | | | | | | | | |
| Nitromethane | 3 | UN1261 | II | 3 | ..... |  | 150 | ..... | 202 | ..... | None | ..... | Forbidden | 60 L | A | ..... |
| Nitromuriatic acid, see Nitrohydrochloric acid. | | | | | | | | | | | | | | | | |
| Nitronaphthalene | 4.1 | UN2538 | III | 4.1 | ..... | A1, IB8, IP3 | 151 | ..... | 213 | ..... | 240 | ..... | 25 kg | 100 kg | A | ..... |
| Nitrophenols (o-; m-; p-) | 6.1 | UN1663 | III | 6.1 | ..... | IB8, IP3, T4, TP3 | 153 | ..... | 213 | ..... | 240 | ..... | 100 kg | 200 kg | A | ..... |
| m-Nitrophenyldinitro methane | Forbidden | | | | | | | | | | | | | | | |
| Nitropropanes | 3 | UN2608 | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |
| p-Nitrosodimethylaniline | 4.2 | UN1369 | II | 4.2 | ..... | A19, A20, IB6, IP2, N34 | None | ..... | 212 | ..... | 241 | ..... | 15 kg | 50 kg | D | 34 |
| Nitrostarch, dry or wetted with less than 20 percent water, by mass. | 1.1D | UN0146 | II | 1.1D | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 10 | ..... |
| Nitrostarch, wetted with not less than 20 percent water, by mass. | 4.1 | UN1337 | I | 4.1 | ..... | 23, A8, A19, A20, N41 | None | ..... | 211 | ..... | None | ..... | 1 kg | 15 kg | D | 28 |
| Nitrosugars (dry) | Forbidden | | | | | | | | | | | | | | | |
| Nitrosyl chloride | 2.3 | UN1069 | | 2.3, 8 | | 3, B14 | None | ..... | 304 | ..... | 314, 315. | ..... | Forbidden | Forbidden | D | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Nitrosylsulfuric acid | 8 | UN2308 | II | 8 | A3, A6, A7, B2, IB2, N34, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | D | 40, 66, 74, 89, 90 |
| | Nitrotoluenes, <i>liquid o-; m-; p-; ..</i> | 6.1 | UN1664 | II | 6.1 | IB2, IP2, IP4, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | Nitrotoluenes, <i>solid m-, or p-</i> | 6.1 | UN1664 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Nitrotoluidines (mono) | 6.1 | UN2660 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Nitrotriazolone or NTO | 1.1D | UN0490 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | <i>Nitrous oxide and carbon diox- ide mixtures, see Carbon di- oxide and nitrous oxide mix- tures.</i> | | | | | | | | | | | | |
| | Nitrous oxide | 2.2 | UN1070 | | 2.2, 5.1. | | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | 40 |
| | Nitrous oxide, refrigerated liquid | 2.2 | UN2201 | | 2.2, 5.1. | B6, T75, TP5, TP22 | None | 304 | 314, 315. | Forbidden | Forbidden | B | 40 |
| | Nitroxylenes, (o-; m-; p-) | 6.1 | UN1665 | II | 6.1 | IB2, IP2, IP4, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | <i>Nitroxylol, see Nitroxylenes</i> | | | | | | | | | | | | |
| | Nonanes | 3 | UN1920 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | <i>Non-flammable gas, n.o.s., see Compressed gas, etc. or Liq- uefied gas, etc.</i> | | | | | | | | | | | | |
| | <i>Nonliquefied gases, see Com- pressed gases, etc.</i> | | | | | | | | | | | | |
| | <i>Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s..</i> | | | | | | | | | | | | |
| | Nonyltrichlorosilane | 8 | UN1799 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | <i>Nordhausen acid, see Sulfuric acid, fuming etc.</i> | | | | | | | | | | | | |
| | 2,5-Norbornadiene, stabilized, see Bicyclo 2,2,1 hepta-2,5- diene, stabilized. | | | | | | | | | | | | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-------|-----------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|----|--------|
| Octadecyltrichlorosilane | 8 | UN1800 | II | 8 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| Octadiene | 3 | UN2309 | II | 3 | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| 1,7-Octadine-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid. | Forbidden | | | | | | | | | | | |
| Octafluorobut-2-ene or Refrigerant gas R 1318. | 2.2 | UN2422 | ..... | 2.2 | | None | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| Octafluorocyclobutane, or Refrigerant gas RC 318. | 2.2 | UN1976 | ..... | 2.2 | T50 | None | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| Octafluoropropane or Refrigerant gas R 218. | 2.2 | UN2424 | ..... | 2.2 | T50 | None | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| Octanes | 3 | UN1262 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Octogen, etc. see Cyclotetramethylene 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 | 10 | ..... |
| Octonal | 1.1D | UN0496 | ..... | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| 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, IB2, N34, T7, TP2, TP13 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| Oil gas, compressed | 2.3 | UN1071 | ..... | 2.3, 2.1. | 6 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40 |
| Oleum, see Sulfuric acid, fuming | ..... |  |  |  |  |  |  |  |  |  |  |  |
| Organic peroxide type A, liquid or solid. | Forbidden | | | | | | | | | | | |
| G Organic peroxide type B, liquid .. | 5.2 | UN3101 | II | 5.2, 1 | 53 | 152 | 225 | None | Forbidden | Forbidden | D | 12, 40 |
| G Organic peroxide type B, liquid, temperature controlled. | 5.2 | UN3111 | II | 5.2, 1 | 53 | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G Organic peroxide type B, solid ... | 5.2 | UN3102 | II | 5.2, 1 | 53 | 152 | 225 | None | Forbidden | Forbidden | D | 12, 40 |
| G Organic peroxide type B, solid, temperature controlled. | 5.2 | UN3112 | II | 5.2, 1 | 53 | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G Organic peroxide type C, liquid | 5.2 | UN3103 | II | 5.2 | | 152 | 225 | None | 5 L | 10 L | D | 12, 40 |
| G Organic peroxide type C, liquid, temperature controlled. | 5.2 | UN3113 | II | 5.2 | | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G Organic peroxide type C, solid .. | 5.2 | UN3104 | II | 5.2 | | 152 | 225 | None | 5 kg | 10 kg | D | 12, 40 |
| G Organic peroxide type C, solid, temperature controlled. | 5.2 | UN3114 | II | 5.2 | | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G Organic peroxide type D, liquid | 5.2 | UN3105 | II | 5.2 | | 152 | 225 | None | 5 L | 10 L | D | 12, 40 |
| G Organic peroxide type D, liquid, temperature controlled. | 5.2 | UN3115 | II | 5.2 | | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G Organic peroxide type D, solid .. | 5.2 | UN3106 | II | 5.2 | | 152 | 225 | None | 5 kg | 10 kg | D | 12, 40 |
| G Organic peroxide type D, solid, temperature controlled. | 5.2 | UN3116 | II | 5.2 | | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G Organic peroxide type E, liquid .. | 5.2 | UN3107 | II | 5.2 | | 152 | 225 | None | 10 L | 25 L | D | 12, 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|--|----------------------------|----------------------------|-------|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|--------|
| | | | | | | | 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 | Organic peroxide type E, liquid, temperature controlled. | 5.2 | UN3117 | II | 5.2 | | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G | Organic peroxide type E, solid ... | 5.2 | UN3108 | II | 5.2 | | 152 | 225 | None | 10 kg | 25 kg | D | 12, 40 |
| G | Organic peroxide type E, solid, temperature controlled. | 5.2 | UN3118 | II | 5.2 | | None | 225 | None | Forbidden | Forbidden | D | 2, 40 |
| G | Organic peroxide type F, liquid .. | 5.2 | UN3109 | II | 5.2 | IB52, IP5, T23 | 152 | 225 | 225 | 10 L | 25 L | D | 12, 40 |
| G | Organic peroxide type F, liquid, temperature controlled. | 5.2 | UN3119 | II | 5.2 | IB52, IP5, T23 | None | 225 | 225 | Forbidden | Forbidden | D | 2, 40 |
| G | Organic peroxide type F, solid ... | 5.2 | UN3110 | II | 5.2 | IB52, T23 | 152 | 225 | 225 | 10 kg | 25 kg | D | 12, 40 |
| G | Organic peroxide type F, solid, temperature controlled. | 5.2 | UN3120 | II | 5.2 | T23 | None | 225 | 225 | Forbidden | Forbidden | D | 2, 40 |
| D | Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas. | 2.3 | NA1955 | ..... | 2.3 | | 3 | None | 334 | Forbidden | Forbidden | D | 40 |
| | Organic pigments, self-heating .. | 4.2 | UN3313 | II | 4.2 | IB8, IP4 | None | 212 | 241 | 15 kg | 50 kg | C | ..... |
|  | ..... |  |  | III | 4.2 | IB8, IP3 | None | 213 | 241 | 25 kg | 100 kg | C | ..... |
| | Organoarsenic compound, n.o.s. | 6.1 | UN3280 | I | 6.1 | 5, IB7, IP1, T14, TP2, TP27 | None | 211 | 242 | 5 kg | 50 kg | B | ..... |
|  | ..... |  |  | II | 6.1 | IB8, IP2, IP4, T11, TP2, TP27 | None | 212 | 242 | 25 kg | 100 kg | B | ..... |
|  | ..... |  |  | III | 6.1 | IB8, IP3, T7, TP1, TP28 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Organochlorine pesticides liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2762 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Organochlorine pesticides, liquid, toxic. | 6.1 | UN2996 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... |  |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... |  |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |

| | | | | | | | | | | | | | |
|---|---|-----|--------|-----|-----------|--------------------------------|-----------|-----------|-----------|-----------|--------|---|-------|
| G | Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN2995 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| G | Organochlorine, pesticides, solid, toxic. | 6.1 | UN2761 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| G | Organometallic compound or Compound solution or Compound dispersion, water-reactive, flammable, n.o.s.. | 4.3 | UN3207 | I | 4.3, 3 | T13, TP2, TP7 | None | 201 | 244 | Forbidden | 1 L | E | 40 |
| | | | | II | 4.3, 3 | IB1, IP2, T7, TP2, TP7 | None | 202 | 243 | 1 L | 5 L | E | 40 |
| | | | | III | 4.3, 3 | IB2, IP4, T7, TP2, TP7 | None | 203 | 242 | 5 L | 60 L | E | 40 |
| G | Organometallic compound, toxic n.o.s.. | 6.1 | UN3282 | I | 6.1 | IB7, IP1, T14, TP2, TP27 | None | 211 | 242 | 5 kg | 50 kg | B | ..... |
| | | | | II | 6.1 | IB8, IP2, IP4, T11, TP2, TP27 | None | 212 | 242 | 25 kg | 100 kg | B | ..... |
| | | | | III | 6.1 | IB8, IP3, T7, TP1, TP28 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| G | Organophosphorus compound, toxic, flammable, n.o.s.. | 6.1 | UN3279 | I | 6.1, 3 | 5, T14, TP2, TP13 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | I | 6.1 | 5, IB7, T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | ..... |
| G | Organophosphorus compound, toxic n.o.s.. | 6.1 | UN3278 | II | 6.1 | IB2, T11, TP2, TP27 | None | 202 | 243 | 5 L | 60 L | B | ..... |
| | | | | III | 6.1 | IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | | | | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| G | Organophosphorus pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2784 | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | | | | I | 6.1 | N76, T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1 | IB2, N76, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| G | Organophosphorus pesticides, liquid, toxic. | 6.1 | UN3018 | III | 6.1 | IB3, N76, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym- bols (1) | Hazardous materials descrip- tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|-------------------------|--|---|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | | | | | | | | | | | | | |
| | Organophosphorus pesticides, liquid, toxic, flammable, <i>flash point not less than 23 degrees C.</i> | 6.1 | UN3017 | I | 6.1, 3 | N76, T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1, 3 | IB2, N76, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1, 3 | B1, IB3, N76, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Organophosphorus pesticides, solid, toxic. | 6.1 | UN2783 | I | 6.1 | IB7, IP1, N77 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| | | | | II | 6.1 | IB8, IP2, IP4, N77 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | | III | 6.1 | IB8, IP3, N77 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Organotin compounds, liquid, n.o.s.. | 6.1 | UN2788 | I | 6.1 | A3, N33, N34, T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1 | A3, IB2, N33, N34, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| | | | | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Organotin compounds, solid, n.o.s.. | 6.1 | UN3146 | I | 6.1 | A5, IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | B | 40 |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Organotin pesticides, liquid, flammable, toxic, <i>flash point less than 23 degrees C.</i> | 3 | UN2787 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| | | | | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Organotin pesticides, liquid, toxic. | 6.1 | UN3020 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Organotin pesticides, liquid, toxic, flammable, <i>flash point not less than 23 degrees C.</i> | 6.1 | UN3019 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|-----|---|-----|--------|-----|-----------|---------------------------|------|-----|-----|-----------|-----------|---|-------------------------|
| | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1, 3 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | | | | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | | | | | | | | | | | | | |
| | | | | I | 6.1 | A8, IB7, IP1, N33, N34 | None | 211 | 242 | 5 kg | 50 kg | B | 40 |
| D G | Other regulated substances, liquid, n.o.s.. | 9 | NA3082 | III | 9 | IB3, T2, TP1 | 155 | 203 | 241 | No limit | No limit | A | |
| D G | Other regulated substances, solid, n.o.s.. | 9 | NA3077 | III | 9 | B54, IB8, IP2 | 155 | 213 | 240 | No limit | No limit | A | |
| G | Oxidizing liquid, corrosive, n.o.s. | 5.1 | UN3098 | I | 5.1, 8 | | None | 201 | 244 | Forbidden | 2.5 L | D | 13, 56, 58, 69, 106 |
| | | | | II | 5.1, 8 | IB1 | None | 202 | 243 | 1 L | 5 L | B | 34, 56, 58, 69, 106 |
| | | | | III | 5.1, 8 | IB2 | 152 | 203 | 242 | 2.5 L | 30 L | B | 34, 56, 58, 69, 106 |
| G | Oxidizing liquid, n.o.s. | 5.1 | UN3139 | I | 5.1 | 127, A2 | None | 201 | 243 | Forbidden | 2.5 L | D | 56, 58, 69, 106 |
| | | | | II | 5.1 | 127, A2, IB2 | 152 | 202 | 242 | 1 L | 5 L | B | 56, 58, 69, 106 |
| | | | | III | 5.1 | 127, A2, IB2 | 152 | 203 | 241 | 2.5 L | 30 L | B | 56, 58, 69, 106 |
| G | Oxidizing liquid, toxic, n.o.s. | 5.1 | UN3099 | I | 5.1, 6.1. | | None | 201 | 244 | Forbidden | 2.5 L | D | 56, 58, 69, 106 |
| | | | | II | 5.1, 6.1. | IB1 | None | 202 | 243 | 1 L | 5 L | B | 56, 58, 95, 106 |
| | | | | III | 5.1, 6.1. | IB2 | 152 | 203 | 242 | 2.5 L | 30 L | B | 56, 58, 95, 106 |
| G | Oxidizing solid, corrosive, n.o.s. | 5.1 | UN3085 | I | 5.1, 8 | | None | 211 | 242 | 1 kg | 15 kg | D | 13, 56, 58, 69, 106 |
| | | | | II | 5.1, 8 | IB6, IP2 | None | 212 | 242 | 5 kg | 25 kg | B | 13, 34, 56, 58, 69, 106 |
| | | | | III | 5.1, 8 | IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | B | 13, 34, 56, 58, 69, 106 |
| G | Oxidizing solid, flammable, n.o.s.. | 5.1 | UN3137 | I | 5.1, 4.1. | | None | 214 | 214 | Forbidden | Forbidden | | |
| G | Oxidizing solid, n.o.s. | 5.1 | UN1479 | I | 5.1 | IB6, IP1 | None | 211 | 242 | 1 kg | 15 kg | D | 56, 58, 69, 106 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|---------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
|  | ..... | ..... |  | II | 5.1 | IB8, IP2, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | B | 56, 58, 69, 106 |
|  | ..... | ..... |  | III | 5.1 | IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | B | 56, 58, 69, 106 |
| G | Oxidizing solid, self-heating, n.o.s.. | 5.1 | UN3100 | II | 5.1, 4.2. | | None | 214 | 214 | Forbidden | Forbidden |  | ..... |
| G | Oxidizing solid, toxic, n.o.s. | 5.1 | UN3087 | I | 5.1, 6.1. | | None | 211 | 242 | 1 kg | 15 kg | D | 56, 58, 69, 106 |
|  | ..... | ..... |  | II | 5.1, 6.1. | IB6, IP2 | None | 212 | 242 | 5 kg | 25 kg | B | 56, 58, 69, 95, 106 |
|  | ..... | ..... |  | III | 5.1, 6.1. | IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | B | 56, 58, 69, 95, 106 |
| G | Oxidizing solid, water-reactive, n.o.s.. | 5.1 | UN3121 | ..... | 5.1, 4.3. | | None | 214 | 214 | Forbidden | Forbidden |  | ..... |
| | <i>Oxygen and carbon dioxide mix- tures, see Carbon dioxide and oxygen mixtures.</i> | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Oxygen, compressed | 2.2 | UN1072 | ..... | 2.2, 5.1. | A52 | 306 | 302 | 314, 315. | 75 kg | 150 kg | A | ..... |
| | Oxygen difluoride, compressed | 2.3 | UN2190 | ..... | 2.3, 5.1, 8. | 1 | None | 304 | None | Forbidden | Forbidden | D | 13, 40, 89, 90 |
| | Oxygen generator, chemical (<i>in- cluding when contained in as- sociated equipment, e.g., pas- senger service units (PSUs), portable breathing equipment (PBE), etc.</i>).. | 5.1 | UN3356 | II | 5.1 | 60, A51 | None | 212 | None | Forbidden | 25 kg gross | D | 56, 58, 69, 106 |
| + | Oxygen generator, chemical, spent. | 9 | NA3356 | III | 9 | 61 | None | 213 | None | Forbidden | Forbidden | A | ..... |
| | <i>Oxygen, mixtures with rare gases, see Rare gases and oxygen mixtures.</i> | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Oxygen, refrigerated liquid (<i>cryo- genic liquid</i>). | 2.2 | UN1073 | ..... | 2.2, 5.1. | T75, TP5, TP22 | 320 | 316 | 318 | Forbidden | Forbidden | D | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | |
|--|-----------|--------|-------------|------------------------|------|-----|------|-----------|-----------|----|----|
| Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base. | 3 | UN1263 | I 3 | T11, TP1, TP8 | 150 | 201 | 243 | 1 L | 30 L | E | |
| | | | II 3 | B52, IB2, T4, TP1, TP8 | 150 | 173 | 242 | 5 L | 60 L | B | |
| | | | III 3 | B1, B52, IB3, T2, TP1 | 150 | 173 | 242 | 60 L | 220 L | A | |
| Paint or Paint related material ... | 8 | UN3066 | II 8 | B2, IB2, T7, TP2 | 154 | 173 | 242 | 1 L | 30 L | A | |
| | | | III 8 | B52, IB3, T4, TP1 | 154 | 173 | 241 | 5 L | 60 L | A | |
| Paint related material including paint thinning, drying, removing, or reducing compound. | 3 | UN1263 | I 3 | T11, TP1, TP8 | 150 | 201 | 243 | 1 L | 30 L | E | |
| | | | II 3 | B52, IB2, T4, TP1, TP8 | 150 | 173 | 242 | 5 L | 60 L | B | |
| | | | III 3 | B1, B52, IB3, T2, TP1 | 150 | 173 | 242 | 60 L | 220 L | A | |
| Paper, unsaturated oil treated incompletely dried (including carbon paper). | 4.2 | UN1379 | III 4.2 | IB8, IP3 | None | 213 | 241 | Forbidden | Forbidden | A | |
| Paraformaldehyde | 4.1 | UN2213 | III 4.1 | A1, IB8, IP3 | 151 | 213 | 240 | 25 kg | 100 kg | A | |
| Paraldehyde | 3 | UN1264 | III 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| Paranitroaniline, solid, see Nitroanilines etc. | | | | | | | | | | | |
| D Parathion and compressed gas mixture. | 2.3 | NA1967 | 2.3 | 3 | None | 334 | 245 | Forbidden | Forbidden | E | 40 |
| Paris green, solid, see Copper acetoarsenite. | | | | | | | | | | | |
| A W PCB, see Polychlorinated biphenyls. | | | | | | | | | | | |
| + Pentaborane | 4.2 | UN1380 | I 4.2, 6.1. | 1 | None | 205 | 245 | Forbidden | Forbidden | D | |
| Pentachloroethane | 6.1 | UN1669 | II 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| Pentachlorophenol | 6.1 | UN3155 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| Pentaerythrite tetranitrate (dry) .. | Forbidden | | | | | | | | | | |
| Pentaerythrite tetranitrate 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 | None | 214 | None | Forbidden | Forbidden | E | 40 |
| Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass. | 1.1D | UN0411 | II 1.1D | .. | None | 62 | None | Forbidden | Forbidden | 10 | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass. Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc. | 1.1D | UN0150 | II | 1.1D .. | 121 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Pentafluoroethane or Refrigerant gas R 125. | 2.2 | UN3220 | ..... | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| | Pentamethylheptane | 3 | UN2286 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Pentane-2,4-dione | 3 | UN2310 | III | 3, 6.1 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Pentanes | 3 | UN1265 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | ..... |
| | Pentanitroaniline (dry) | Forbidden | | | | | | | | | | | |
| | Pentanols | 3 | UN1105 | II | 3 | IB2, T4, TP1, TP29 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, B3, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | 1-Pentene (n-amylene) | 3 | UN1108 | I | 3 | T11, TP2 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |
| | 1-Pentol | 8 | UN2705 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | B | 38 |
| | Pentolite, dry or wetted with less than 15 percent water, by mass. | 1.1D | UN0151 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Perchlorates, inorganic, aqueous solution, n.o.s.. | 5.1 | UN3211 | II | 5.1 | IB2, T4, TP1 | 152 | 202 | 242 | 1 L | 5 L | B | 46, 56, 58 |
|  | ..... |  |  | III | 5.1 | IB2, T4, TP1 | 152 | 202 | 241 | 2.5 L | 30 L | B | 56, 58, 69, 106 |
| | Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized. | | | III | 5.1 | | 152 | 203 | 241 | 2.5 L | 30 L | B | 56, 58, 69, 106 |
| | Perchlorates, inorganic, n.o.s. ... | 5.1 | UN1481 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 46, 56 |
|  | ..... |  |  | III | 5.1 | IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 46, 56 |
| | Perchloric acid, with more than 72 percent acid by mass. | Forbidden | | | | | | | | | | | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-----|----------|---|------|----------------|-----------|-----------|-----------|---|----------------------|
| Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass. | 5.1 | UN1873 | I | 5.1, 8 | A2, A3, N41, T10, TP1, TP12 | None | 201 | 243 | Forbidden | 2.5 L | D | 66 |
| Perchloric acid with not more than 50 percent acid by mass. | 8 | UN1802 | II | 8, 5.1 | IB2, N41, T7, TP2 | None | 202 | 243 | Forbidden | 30 L | C | 66 |
| Perchloroethylene, see Tetrachloroethylene. | | | | | | | | | | | | |
| Perchloromethyl mercaptan | 6.1 | UN1670 | I | 6.1 | 2, A3, A7, B9, B14, B32, B74, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| Perchloryl fluoride | 2.3 | UN3083 | | 2.3, 5.1 | 2, B9, B14 | None | 302 | 314, 315. | Forbidden | Forbidden | D | 40 |
| Percussion caps, see Primers, cap type. | | | | | | | | | | | | |
| Perfluoro-2-butene, see Octafluorobut-2-ene. | | | | | | | | | | | | |
| Perfluoro(ethyl vinyl ether) | 2.1 | UN3154 | | 2.1 | | 306 | 302, 304, 305. | 314, 315. | Forbidden | 150 kg | E | 40 |
| Perfluoro(methyl vinyl ether) | 2.1 | UN3153 | | 2.1 | T50 | 306 | 302, 304, 305. | 314, 315. | Forbidden | 150 kg | E | 40 |
| Perfumery products with flammable solvents. | 3 | UN1266 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 15 L | 60 L | B | |
| Permanganates, inorganic, aqueous solution, n.o.s.. | 5.1 | UN3214 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | | | II | 5.1 | 26, IB2, T4, TP1 | 152 | 202 | 242 | 1 L | 5 L | D | 56, 58, 69, 106, 107 |
| Permanganates, inorganic, n.o.s.. | 5.1 | UN1482 | II | 5.1 | 26, A30, IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | D | 56, 58, 69, 106, 107 |
| | | | III | 5.1 | 26, A30, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | D | 56, 58, 69, 106, 107 |
| Peroxides, inorganic, n.o.s. | 5.1 | UN1483 | II | 5.1 | A7, A20, IB6, IP2, N34 | None | 212 | 242 | 5 kg | 25 kg | A | 13, 75, 106 |
| | | | III | 5.1 | A7, A20, IB8, IP3, N34 | 152 | 213 | 240 | 25 kg | 100 kg | A | 13, 75, 106 |
| Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide. | Forbidden | | | | | | | | | | | |
| Persulfates, inorganic, aqueous solution, n.o.s.. | 5.1 | UN3216 | III | 5.1 | IB2, T4, TP1, TP29 | 152 | 203 | 241 | 2.5 L | 30 L | A | |
| Persulfates, inorganic, n.o.s. | 5.1 | UN3215 | III | 5.1 | IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | | | | | | |
|---------------------|--|--|-------------------------------------|---------------|------------------------|--|---------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|-----------|-------|-------|---|-------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) | | | | | |
| G | Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN3021 | I | 3, 6.1 | B5, T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | ..... |  |  |  |  |  |
| | | | | | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | | 243 | 1 L | 60 L | B | | | | |
| G | Pesticides, liquid, toxic, flammable, n.o.s. flash point not less than 23 degrees C. | 6.1 | UN2903 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 | | | | | |
| | | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | | | | | 243 | 5 L | 60 L | B | 40 |
| G | Pesticides, liquid, toxic, n.o.s. | 6.1 | UN2902 | III | 6.1, 3 | B1, IB3, T7, TP2 | 153 | 203 | 242 | 60 L | 220 L | A | 40 | | | | | |
| | | | | | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | | | | | 243 | 1 L | 30 L | B | 40 |
| | | | | | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | | | | | 243 ..... |  |  |  |  | 5 L | 60 L | B | 40 |
| G | Pesticides, solid, toxic, n.o.s. | 6.1 | UN2588 | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 | | | | | |
| | | | | | I | 6.1 | IB7 | None | 211 | | | | | 242 | 5 kg | 50 kg | A | 40 |
| | | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | | | | | 242 ..... |  |  |  |  | 25 kg | 100 kg | A | 40 |
| | | | | | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 | | | | | |
| | PETN, see Pentaerythrite tetranitrate. | | | | | | | | | | | | | | | | | |
| | PETN/TNT, see Pentolite, etc | | | | | | | | | | | | | | | | | |
| | Petrol, see Gasoline | | | | | | | | | | | | | | | | | |
| | Petroleum crude oil | 3 | UN1267 | I | 3 | T11, TP1, TP8 | None | 201 | 243 | 1 L | 30 L | E | ..... |  |  |  |  |  |
| | | | | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |  |  |  |  |  |
| | | | | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |  |  |  |  |  |
| | Petroleum distillates, n.o.s. or Petroleum products, n.o.s.. | 3 | UN1268 | I | 3 | T11, TP1, TP8 | 150 | 201 | 243 | 1 L | 30 L | E | ..... |  |  |  |  |  |
| | | | | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |  |  |  |  |  |
| | | | | III | 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |  |  |  |  |  |
| | Petroleum gases, liquefied or Liquefied petroleum gas. | 2.1 | UN1075 | ..... | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 | | | | | |
| D | Petroleum oil | 3 | NA1270 | I | 3 | T11, TP1, TP9 | None | 201 | 243 | 1 L | 30 L | E | ..... |  |  |  |  |  |
| | | | | | II | 3 | IB2, T7, TP1, TP8, TP28 | 150 | 202 | | | | | 242 | 5 L | 60 L | B | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | |
|--|-------|--------|---------------|---|------------|-----------|-----------|-----------|-----------|---|-------------------------|
| ..... | ..... | ..... | III 3 | B1, IB3, T4, TP1, TP29 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| + Phenacyl bromide | 6.1 | UN2645 | II 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | B | 40 |
| + Phenetidines | 6.1 | UN2311 | III 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| Phenol, molten | 6.1 | UN2312 | II 6.1 | B14, T7, TP3 | None | 202 | 243 | Forbidden | Forbidden | B | 40 |
| + Phenol, solid | 6.1 | UN1671 | II 6.1 | IB8, IP2, IP4, N78, T6, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Phenol solutions | 6.1 | UN2821 | II 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| Phenolsulfonic acid, liquid | 8 | UN1803 | III 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C.. | 3 | UN3346 | II 8 | B2, IB2, N41, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | 14 |
| ..... | ..... | ..... | I 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| ..... | ..... | ..... | II 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| Phenoxyacetic acid derivative pesticide, liquid, toxic. | 6.1 | UN3348 | I 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| ..... | ..... | ..... | II 6.1 | IB2, T11, TP2, TP27 | 153 | 202 | 243 | 5 L | 60 L | B | 40 |
| ..... | ..... | ..... | III 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN3347 | I 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| ..... | ..... | ..... | II 6.1, 3 | IB2, T11, TP2, TP13, TP27 | 153 | 202 | 243 | 5 L | 60 L | B | 40 |
| ..... | ..... | ..... | III 6.1, 3 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| Phenoxyacetic acid derivative pesticide, solid, toxic. | 6.1 | UN3345 | I 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| ..... | ..... | ..... | II 6.1 | IB8, IP2, IP4 | 153 | 212 | 242 | 25 kg | 100 kg | A | 40 |
| ..... | ..... | ..... | III 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| Phenyl chloroformate | 6.1 | UN2746 | II 6.1, 8 | IB2, T7, TP2, TP13 | None | 202 | 243 | 1 L | 30 L | A | 12, 13, 21, 25, 40, 100 |
| Phenyl isocyanate | 6.1 | UN2487 | I 6.1, 3 | 2, B9, B14, B32, B74, B77, N33, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| Phenyl mercaptan | 6.1 | UN2337 | I 6.1, 3 | 2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | B | 26, 40 |
| Phenyl phosphorus dichloride | 8 | UN2798 | II 8 | B2, B15, IB2, T7, TP2 | 154 | 202 | 242 | Forbidden | 30 L | B | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|--|---|---------------|---------------------------|---|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Phenyl phosphorus thiodichloride. | 8 | UN2799 | II | 8 | B2, B15, IB2, T7, TP2 | 154 | 202 | 242 | Forbidden | 30 L | B | 40 |
| | Phenyl urea pesticides, liquid, toxic. | 6.1 | UN3002 | I | 6.1 | T14, TP2, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... | ..... | ..... | II | 6.1 | T7, TP2 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... | ..... | ..... | III | 6.1 | T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Phenylacetonitrile, liquid | 6.1 | UN2470 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 26 |
| | Phenylacetyl chloride | 8 | UN2577 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| | Phenylcarbylamine chloride | 6.1 | UN1672 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | <i>m</i> -Phenylene diaminediperchlorate (dry). | Forbidden | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Phenylenediamines (<i>o</i> -, <i>m</i> -, <i>p</i> -) | 6.1 | UN1673 | III | 6.1 | IB8, IP3, T7, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Phenylhydrazine | 6.1 | UN2572 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| | Phenylmercuric acetate | 6.1 | UN1674 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Phenylmercuric compounds, n.o.s.. | 6.1 | UN2026 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | ..... |
|  | ..... | ..... | ..... | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
|  | ..... | ..... | ..... | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Phenylmercuric hydroxide | 6.1 | UN1894 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Phenylmercuric nitrate | 6.1 | UN1895 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Phenyltrichlorosilane | 8 | UN1804 | II | 8 | A7, B6, IB2, N34, T7, TP2 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| | Phosgene | 2.3 | UN1076 | ..... | 2.3, 8 | 1, B7, B46 | None | 192 | 314 | Forbidden | Forbidden | D | 40 |
| | 9-Phosphabicyclononanes or Cyclooctadiene phosphines. | 4.2 | UN2940 | II | 4.2 | A19, IB6, IP2 | None | 212 | 241 | 15 kg | 50 kg | A | ..... |
| | Phosphine | 2.3 | UN2199 | ..... | 2.3, 2.1. | 1 | None | 192 | 245 | Forbidden | Forbidden | D | 40 |
| | Phosphoric acid, liquid or solid .. | 8 | UN1805 | III | 8 | A7, IB3, IP3, N34, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Phosphoric acid triethyleneimine, see Tris-(1- aziridyl)phosphine oxide, so- lution. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Phosphoric anhydride, see Phosphorus pentoxide. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Phosphorous acid | 8 | UN2834 | III | 8 | IB8, IP3, T3, TP1 | 154 | 213 | 240 | 25 kg | 100 kg | A | 48 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|-----|--------|-----|-----------|---|------|-----------|-----------|-----------|-----------|---|--------|
| Phosphorus, amorphous | 4.1 | UN1338 | III | 4.1 | A1, A19, B1, B9, B26, IB8, IP3 | None | 213 | 243 | 25 kg | 100 kg | A | 74 |
| <i>Phosphorus bromide, see Phosphorus tribromide.</i> | | | | | | | | | | | | |
| <i>Phosphorus chloride, see Phosphorus trichloride.</i> | | | | | | | | | | | | |
| Phosphorus heptasulfide, free from yellow or white phosphorus. | 4.1 | UN1339 | II | 4.1 | A20, IB4, N34 | None | 212 | 240 | 15 kg | 50 kg | B | 74 |
| Phosphorus oxybromide | 8 | UN1939 | II | 8 | B8, IB8, IP2, IP4, N41, N43, T7, TP2 | None | 212 | 240 | Forbidden | 50 kg | C | 12, 40 |
| Phosphorus oxybromide, molten | 8 | UN2576 | II | 8 | B2, B8, IB1, N41, N43, T7, TP3, TP13 | None | 202 | 242 | Forbidden | Forbidden | C | 40 |
| + Phosphorus oxychloride | 8 | UN1810 | II | 8, 6.1 | 2, A7, B9, B14, B32, B74, B77, N34, T20, TP2, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | C | 40 |
| Phosphorus pentabromide | 8 | UN2691 | II | 8 | A7, IB8, IP2, IP4, N34 | 154 | 212 | 240 | Forbidden | 50 kg | B | 12, 40 |
| Phosphorus pentachloride | 8 | UN1806 | II | 8 | A7, IB8, IP2, IP4, N34 | None | 212 | 240 | Forbidden | 50 kg | C | 40 |
| Phosphorus pentafluoride, compressed. | 2.3 | UN2198 | | 2.3, 8 | 2, B9, B14 | None | 302, 304. | 314, 315. | Forbidden | Forbidden | D | 40 |
| Phosphorus pentasulfide, free from yellow or white phosphorus. | 4.3 | UN1340 | II | 4.3, 4.1. | A20, B59, IB4 | 151 | 212 | 242 | 15 kg | 50 kg | B | 74 |
| Phosphorus pentoxide | 8 | UN1807 | II | 8 | A7, IB8, IP2, IP4, N34 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| Phosphorus sesquisulfide, free from yellow or white phosphorus. | 4.1 | UN1341 | II | 4.1 | A20, IB4, N34 | None | 212 | 240 | 15 kg | 50 kg | B | 74 |
| Phosphorus tribromide | 8 | UN1808 | II | 8 | A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2 | None | 202 | 242 | Forbidden | 30 L | C | 40 |
| Phosphorus trichloride | 6.1 | UN1809 | I | 6.1, 8 | 2, B9, B14, B15, B32, B74, B77, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | C | 40 |
| Phosphorus trioxide | 8 | UN2578 | III | 8 | IB8, IP3 | 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 | None | 212 | 240 | 15 kg | 50 kg | B | 74 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Phosphorus, white dry or Phosphorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus, yellow, in solution. | 4.2 | UN1381 | I | 4.2, 6.1. | B9, B26, N34, T9, TP3 | None | 188 | 243 | Forbidden | Forbidden | E | ..... |
| | Phosphorus white, molten | 4.2 | UN2447 | I | 4.2, 6.1. | B9, B26, N34, T21, TP3, TP7, TP26 | None | 188 | 243 | Forbidden | Forbidden | D | ..... |
| | <i>Phosphorus (white or red) and a chlorate, mixtures of.</i> | Forbidden |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | <i>Phosphoryl chloride, see Phosphorus oxychloride.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Phthalic anhydride with more than .05 percent maleic anhydride. | 8 | UN2214 | III | 8 | IB8, IP3, T4, TP3 | 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, T4, TP1 | 154 | 213 | 240 | 25 kg | 100 kg | A | 12 |
| | Piperidine | 8 | UN2401 | I | 8, 3 | T10, TP2 | None | 201 | 243 | 0.5 L | 2.5 L | B | ..... |
| | <i>Pivaloyl chloride, see Trimethylacetyl chloride.</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor. | 9 | UN3314 | III | 9 | 32, IB8, IP6 | 155 | 221 | 221 | 100 kg | 200 kg | A | 85, 87 |
| | <i>Plastic solvent, n.o.s., see Flammable liquids, n.o.s..</i> | ..... |  |  | ..... |  | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Plastics, nitrocellulose-based, self-heating, n.o.s.. | 4.2 | UN2006 | III | 4.2 | | None | 213 | None | Forbidden | Forbidden | C | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|--|-----------|--------|-----|-----|--|------|-----|------|-----------|--------|---|-----------------|--|
| Poisonous gases, n.o.s., see Compressed or liquefied gases, flammable or toxic, n.o.s.. | | | | | | | | | | | | | |
| Polyalkylamines, n.o.s., see Amines, etc. | | | | | | | | | | | | | |
| Polychlorinated biphenyls, liquid | 9 | UN2315 | II | 9 | 9, 81, 140, IB3, T4, TP1 | 155 | 202 | 241 | 100 L | 220 L | A | 95 | |
| Polychlorinated biphenyls, solid | 9 | UN2315 | II | 9 | 9, 81, 140, IB7 | 155 | 212 | 240 | 100 kg | 200 kg | A | 95 | |
| Polyester resin kit | 3 | UN3269 | | 3 | 40 | 152 | 225 | None | 5 kg | 5 kg | B | | |
| Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls liquid. | 9 | UN3151 | II | 9 | IB3 | 155 | 204 | 241 | 100 L | 220 L | A | 95 | |
| Polyhalogenated biphenyls, solid or Polyhalogenated terphenyls, solid. | 9 | UN3152 | II | 9 | IB8, IP2, IP4 | 155 | 204 | 241 | 100 kg | 200 kg | A | 95 | |
| Polymeric beads, expandable, evolving flammable vapor. | 9 | UN2211 | III | 9 | 32, IB8, IP6, IP7 | 155 | 221 | 221 | 100kg | 200kg | A | 85, 87 | |
| Potassium | 4.3 | UN2257 | I | 4.3 | A19, A20, B27, IB1, IP1, N6, N34, T9, TP3, TP7 | None | 211 | 244 | Forbidden | 15 kg | D | | |
| Potassium arsenate | 6.1 | UN1677 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | | |
| Potassium arsenite | 6.1 | UN1678 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | | |
| Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.. | | | | | | | | | | | | | |
| Potassium borohydride | 4.3 | UN1870 | I | 4.3 | A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | | |
| Potassium bromate | 5.1 | UN1484 | II | 5.1 | IB8, IP4 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Potassium carbonyl | Forbidden | | | | | | | | | | | | |
| Potassium chlorate | 5.1 | UN1485 | II | 5.1 | A9, IB8, IP4, N34 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Potassium chlorate, aqueous solution. | 5.1 | UN2427 | II | 5.1 | A2, IB2, T4, TP1 | 152 | 202 | 241 | 1 L | 5 L | B | 56, 58, 106 | |
| | | | III | 5.1 | A2, IB2, T4, TP1 | 152 | 203 | 241 | 2.5 L | 30 L | B | 56, 58, 69, 106 | |
| Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C. | | | | | | | | | | | | | |
| Potassium cuprocyanide | 6.1 | UN1679 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 26 | |
| Potassium cyanide | 6.1 | UN1680 | I | 6.1 | B69, B77, IB7, IP1, N74, N75, T14, TP2, TP13 | None | 211 | 242 | 5 kg | 50 kg | B | 52 | |
| Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc. | | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|--|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Potassium dithionite or Potas-sium hydrosulfite. | 4.2 | UN1929 | II | 4.2 | A8, A19, A20, IB6, IP2 | None | 212 | 241 | 15 kg | 50 kg | E | 13 |
| | Potassium fluoride | 6.1 | UN1812 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 |
| | Potassium fluoroacetate | 6.1 | UN2628 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | E | ..... |
| | Potassium fluorosilicate | 6.1 | UN2655 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 |
| | <i>Potassium hydrate, see Potas-sium hydroxide, solid.</i> | | | | | | | | | | | | |
| | <i>Potassium hydrogen fluoride, see Potassium hydrogen difluoride.</i> | | | | | | | | | | | | |
| | <i>Potassium hydrogen fluoride so-lution, see Corrosive liquid, n.o.s..</i> | | | | | | | | | | | | |
| | Potassium hydrogen sulfate | 8 | UN2509 | II | 8 | A7, IB8, IP2, IP4, N34 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Potassium hydrogendifluoride, <i>solid.</i> | 8 | UN1811 | II | 8, 6.1 | IB8, IP2, IP4, N3, N34, T7, TP2 | 154 | 212 | 240 | 15 kg | 50 kg | A | 25, 26, 40 |
| | Potassium hydrogendifluoride, <i>solution.</i> | 8 | UN1811 | II | 8, 6.1 | IB8, IP2, IP4, N3, N34, T7, TP2 | 154 | 202 | 243 | 1 L | 30 L | A | 25, 26, 40 |
| | <i>Potassium hydrosulfite, see Po-tassium dithionite.</i> | | | | | | | | | | | | |
| | <i>Potassium hydroxide, liquid, see Potassium hydroxide solution.</i> | | | | | | | | | | | | |
| | Potassium hydroxide, solid | 8 | UN1813 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Potassium hydroxide, solution ... | 8 | UN1814 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
|  | ..... |  |  | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | <i>Potassium hypochlorite, solution, see Hypochlorite solutions, etc.</i> | | | | | | | | | | | | |
| | Potassium, metal alloys | 4.3 | UN1420 | I | 4.3 | A19, A20, B27, IB4, IP1 | None | 211 | 244 | Forbidden | 15 kg | D | ..... |
| | <i>Potassium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s..</i> | | | | | | | | | | | | |
| | Potassium metavanadate | 6.1 | UN2864 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Potassium monoxide | 8 | UN2033 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Potassium nitrate | 5.1 | UN1486 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|-------|--------|-------|--------------|--|------------|-----------|------------|-----------|-----------|-------|-------------------------------|
| Potassium nitrate and sodium nitrite mixtures. | 5.1 | UN1487 | II | 5.1 | B78, IB8, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | A | 56, 58 |
| Potassium nitrite | 5.1 | UN1488 | II | 5.1 | IB8, IP4 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58 |
| Potassium perchlorate, solid | 5.1 | UN1489 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| Potassium perchlorate, solution | 5.1 | UN1489 | II | 5.1 | IB2, T4, TP1 | 152 | 202 | 242 | 1 L | 5 L | A | 56, 58, 106 |
| Potassium permanganate | 5.1 | UN1490 | II | 5.1 | IB8, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | D | 56, 58, 69, 106, 107 |
| Potassium peroxide | 5.1 | UN1491 | I | 5.1 | A20, IB6, IP1, N34 | None | 211 | None | Forbidden | 15 kg | B | 13, 75, 106 |
| Potassium persulfate | 5.1 | UN1492 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| Potassium phosphide | 4.3 | UN2012 | I | 4.3, 6.1. | A19, N40 | None | 211 | None | Forbidden | 15 kg | E | 40, 85 |
| <i>Potassium selenate, see Selenates or Selenites.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Potassium selenite, see Selenates or Selenites.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Potassium sodium alloys | 4.3 | UN1422 | I | 4.3 | A19, B27, IB4, IP1, N34, N40, T9, TP3, TP7 | None | 211 | 244 | Forbidden | 15 kg | D | ..... |
| 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 | None | 212 | 241 | 15 kg | 50 kg | A | ..... |
| Potassium sulfide, hydrated with not less than 30 percent water of crystallization. | 8 | UN1847 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | 26 |
| Potassium superoxide | 5.1 | UN2466 | I | 5.1 | A20, IB6, IP1 | None | 211 | None | Forbidden | 15 kg | B | 13, 75, 106 |
| 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 | 10 | ..... |
| 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 | 10 | ..... |
| Powder paste, see Powder cake, etc. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Powder, smokeless | 1.1C | UN0160 | II | 1.1C .. | | None | 62 | None | Forbidden | Forbidden | | 26E |
| Powder, smokeless | 1.3C | UN0161 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | | 26E |
| <i>Power device, explosive, see Cartridges, power device.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Primers, cap type | 1.4S | UN0044 | II | None | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| Primers, cap type | 1.1B | UN0377 | II | 1.1B ... | | None | 62 | None | Forbidden | Forbidden | 11 | ..... |
| Primers, cap type | 1.4B | UN0378 | II | 1.4B ... | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|
| | | | | | | | Excep- tions | Non- bulk | Bulk | Passenger aircraft/rail | Cargo air- craft only | Loca- tion | Other |
| | | | | | | | (8A) | (8B) | (8C) | (9A) | (9B) | (10A) | (10B) |
| | <i>Primers, small arms, see Primers, cap type.</i> | | | | | | | | | | | | |
| | Primers, tubular | 1.3G | UN0319 | II | 1.3G .. | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Primers, tubular | 1.4G | UN0320 | II | 1.4G .. | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | Primers, tubular | 1.4S | UN0376 | II | None | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Printing ink, <i>flammable</i> or Print- ing ink related material (<i>in- cluding printing ink thinning or reducing compound</i>), <i>flam- mable</i> . | 3 | UN1210 | I | 3 | T11, TP1, TP8 | 150 | 173 | 243 | 1 L | 30 L | E | ..... |
|  | ..... |  |  | II | 3 | IB2, T4, TP1, TP8 | 150 | 173 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, IB3, T2, TP1 | 150 | 173 | 242 | 60 L | 220 L | A | ..... |
| | <i>Projectiles, illuminating, see Am- munition, illuminating, etc.</i> | | | | | | | | | | | | |
| | Projectiles, <i>inert with tracer</i> | 1.4S | UN0345 | II | 1.4S .. |  | ..... | 62 | None | 25 kg | 100 kg | 01 | ..... |
| | Projectiles, <i>inert, with tracer</i> | 1.3G | UN0424 | II | 1.3G .. |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Projectiles, <i>inert, with tracer</i> | 1.4G | UN0425 | II | 1.4G .. |  | ..... | 62 | None | Forbidden | 75 kg | 02 | ..... |
| | Projectiles, <i>with burster or expel- ling charge</i> . | 1.2D | UN0346 | II | 1.2D .. |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Projectiles, <i>with burster or expel- ling charge</i> . | 1.4D | UN0347 | II | 1.4D .. |  | ..... | 62 | None | Forbidden | 75 kg | 02 | ..... |
| | Projectiles, <i>with burster or expel- ling charge</i> . | 1.2F | UN0426 | II | 1.2F ... |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Projectiles, <i>with burster or expel- ling charge</i> . | 1.4F | UN0427 | II | 1.4F ... |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Projectiles, <i>with burster or expel- ling charge</i> . | 1.2G | UN0434 | II | 1.2G .. |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Projectiles, <i>with burster or expel- ling charge</i> . | 1.4G | UN0435 | II | 1.4G .. |  | ..... | 62 | None | Forbidden | 75 kg | 02 | ..... |
| | Projectiles, <i>with bursting charge</i> | 1.1F | UN0167 | II | 1.1F ... |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Projectiles, <i>with bursting charge</i> | 1.1D | UN0168 | II | 1.1D .. |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Projectiles, <i>with bursting charge</i> | 1.2D | UN0169 | II | 1.2D .. |  | ..... | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Projectiles, <i>with bursting charge</i> | 1.2F | UN0324 | II | 1.2F ... |  | ..... | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Projectiles, <i>with bursting charge</i> | 1.4D | UN0344 | II | 1.4D .. |  | ..... | 62 | None | Forbidden | 75 kg | 02 | ..... |
| | Propadiene, stabilized | 2.1 | UN2200 | ..... | 2.1 | | None | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | | | | | | |
|--|------|--------|--------------|--|------|-----|-----------|-----------|-----------|----|-------------|--|--|--|--|--|--|--|--|--|--|
| <i>Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized.</i> | | | | | | | | | | | | | | | | | | | | | |
| Propane <i>see also</i> Petroleum gases, liquefied. | 2.1 | UN1978 | 2.1 | 19, T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 | | | | | | | | | | |
| Propanethiols | 3 | UN2402 | II 3 | IB2, T4, TP1, TP13 | 150 | 202 | 242 | 5 L | 60 L | E | 95, 102 | | | | | | | | | | |
| n-Propanol or Propyl alcohol, normal. | 3 | UN1274 | II 3 | B1, IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | | | | | | | | | | | |
| | | | III 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | | | | | | | | | | |
| Propellant, liquid | 1.3C | UN0495 | II 1.3C | 37 | None | 62 | None | Forbidden | Forbidden | 10 | | | | | | | | | | | |
| Propellant, liquid | 1.1C | UN0497 | II 1.1C | 37 | None | 62 | None | Forbidden | Forbidden | 10 | | | | | | | | | | | |
| Propellant, solid | 1.1C | UN0498 | II 1.1C | | None | 62 | None | Forbidden | Forbidden | | 26E | | | | | | | | | | |
| Propellant, solid | 1.3C | UN0499 | II 1.3C | | None | 62 | None | Forbidden | Forbidden | | 26E | | | | | | | | | | |
| Propellant, solid | 1.4C | UN0501 | 1.4C | | None | 62 | None | Forbidden | Forbidden | A | 24E | | | | | | | | | | |
| Propionaldehyde | 3 | UN1275 | II 3 | IB2, T7, TP1 | 150 | 202 | 242 | 5 L | 60 L | E | | | | | | | | | | | |
| Propionic acid | 8 | UN1848 | III 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | | | | | | | | | | | |
| Propionic anhydride | 8 | UN2496 | III 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | | | | | | | | | | | |
| Propionitrile | 3 | UN2404 | II 3, 6.1 | IB2, T7, TP1, TP13 | None | 202 | 243 | Forbidden | 60 L | E | 40 | | | | | | | | | | |
| Propionyl chloride | 3 | UN1815 | II 3, 8 | IB1, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 | | | | | | | | | | |
| n-Propyl acetate | 3 | UN1276 | II 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | | | | | | | | | | | |
| Propyl alcohol, <i>see</i> Propanol | | | | | | | | | | | | | | | | | | | | | |
| n-Propyl benzene | 3 | UN2364 | III 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | | | | | | | | | | |
| Propyl chloride | 3 | UN1278 | II 3 | IB2, N34, T7, TP2 | None | 202 | 242 | Forbidden | 60 L | E | | | | | | | | | | | |
| n-Propyl chloroformate | 6.1 | UN2740 | I 6.1, 3, 8. | 2, A3, A6, A7, B9, B14, B32, B74, B77, N34, T20, TP2, TP13, TP38, TP44 | None | 227 | 244 | Forbidden | Forbidden | B | 21, 40, 100 | | | | | | | | | | |
| Propyl formates | 3 | UN1281 | II 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | | | | | | | | | | | |
| n-Propyl isocyanate | 6.1 | UN2482 | I 6.1, 3 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 | | | | | | | | | | |
| <i>Propyl mercaptan, see</i> Propanethiols. | | | | | | | | | | | | | | | | | | | | | |
| n-Propyl nitrate | 3 | UN1865 | II 3 | IB2, IP7 | 150 | 202 | None | 5 L | 60 L | D | | | | | | | | | | | |
| Propylamine | 3 | UN1277 | II 3, 8 | IB2, N34, T7, TP1 | None | 202 | 243 | 1 L | 5 L | E | 40 | | | | | | | | | | |
| Propylene <i>see also</i> Petroleum gases, liquefied. | 2.1 | UN1077 | 2.1 | 19, T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 | | | | | | | | | | |
| Propylene chlorohydrin | 6.1 | UN2611 | II 6.1, 3 | IB2, T7, TP2, TP13 | None | 202 | 243 | 5 L | 60 L | A | 12, 40, 48 | | | | | | | | | | |
| Propylene oxide | 3 | UN1280 | I 3 | A3, N34, T11, TP2, TP7 | None | 201 | 243 | 1 L | 30 L | E | 40 | | | | | | | | | | |
| Propylene tetramer | 3 | UN2850 | III 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | | | | | | | | | | | | | |
| | 1,2-Propylenediamine | 8 | UN2258 | II | 8, 3 | A3, A6, IB2, N34, T7, TP2 | None | 202 | 243 | 1 L | 30 L | A | 40 |
| | Propyleneimine, stabilized | 3 | UN1921 | I | 3, 6.1 | A3, N34, T14, TP2, TP13 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | Propyltrichlorosilane | 8 | UN1816 | II | 8, 3 | A7, B2, B6, IB2, N34, T7, TP2, TP13 | None | 202 | 243 | Forbidden | 30 L | C | 40 |
| | <i>Prussic acid, see Hydrogen cy- anide.</i> | | | | | | | | | | | | |
| | Pyrethroid pesticide, liquid, flam- mable, toxic, <i>flash point less than 23 degrees C.</i> | 3 | UN3350 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| | | | | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Pyrethroid pesticide, liquid toxic | 6.1 | UN3352 | I | 6.1 | T14, TP2, TP13, TP27 | None | 211 | 242 | 1 L | 30 L | A | 40 |
| | | | | II | 6.1 | IB2, T11, TP2, TP27 | 153 | 212 | 242 | 5 L | 60 L | A | 40 |
| | | | | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 213 | 240 | 60 L | 220 L | A | 40 |
| | Pyrethroid pesticide, liquid, toxic, flammable, <i>flash point not less than 23 degrees C.</i> | 6.1 | UN3351 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | 6.1, 3 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | B | 40 |
| | Pyrethroid pesticide, solid, toxic | 6.1 | UN3349 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
| | | | | II | 6.1 | IB8, IP2, IP4 | 153 | 212 | 242 | 25 kg | 100 kg | A | 40 |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Pyridine | 3 | UN1282 | II | 3 | IB2, T4, TP2 | None | 202 | 242 | 5 L | 60 L | B | 21, 100 |
| | <i>Pyridine perchlorate</i> | Forbidden | | | | | | | | | | | |
| G | Pyrophoric liquid, inorganic, n.o.s.. | 4.2 | UN3194 | I | 4.2 | | None | 181 | 244 | Forbidden | Forbidden | D | 18 |
| G | Pyrophoric liquids, organic, n.o.s.. | 4.2 | UN2845 | I | 4.2 | B11, T22, TP2, TP7 | None | 181 | 244 | Forbidden | Forbidden | D | 18 |
| G | Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s.. | 4.2 | UN1383 | I | 4.2 | B11 | None | 187 | 242 | Forbidden | Forbidden | D | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|---|-----------|--------|-------|----------|------------------------|-----------|-----------|-----------|-----------|-----------|---|-------|
| G | Pyrophoric organometallic compound, water-reactive, n.o.s. | 4.2 | UN3203 | I | 4.2, 4.3 | T21, TP2, TP7 | None | 187 | 242 | Forbidden | Forbidden | D | 18 |
| G | Pyrophoric solid, inorganic, n.o.s. | 4.2 | UN3200 | I | 4.2 | | None | 187 | 242 | Forbidden | Forbidden | D | ..... |
| G | Pyrophoric solids, organic, n.o.s. | 4.2 | UN2846 | I | 4.2 | | None | 187 | 242 | Forbidden | Forbidden | D | ..... |
| | Pyrosulfuryl chloride | 8 | UN1817 | II | 8 | B2, IB2, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | C | 40 |
| | <i>Pyroxylin solution or solvent, see Nitrocellulose.</i> | | | | | | | | | | | | |
| | Pyrrolidine | 3 | UN1922 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| | <i>Quebrachitol pentanitrate</i> | Forbidden | | | | | | | | | | | |
| | <i>Quicklime, see Calcium oxide</i> | | | | | | | | | | | | |
| | Quinoline | 6.1 | UN2656 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 12 |
| | <i>R 12, see Dichlorodifluoromethane.</i> | | | | | | | | | | | | |
| | <i>R 12B1, see Chlorodifluorobromomethane.</i> | | | | | | | | | | | | |
| | <i>R 13, see Chlorotrifluoromethane.</i> | | | | | | | | | | | | |
| | <i>R 13B1, see Bromotrifluoromethane.</i> | | | | | | | | | | | | |
| | <i>R 14, see Tetrafluoromethane</i> | | | | | | | | | | | | |
| | <i>R 21, see Dichlorofluoromethane.</i> | | | | | | | | | | | | |
| | <i>R 22, see Chlorodifluoromethane.</i> | | | | | | | | | | | | |
| | <i>R 114, see Dichlorotetrafluoroethane.</i> | | | | | | | | | | | | |
| | <i>R 115, see Chloropentafluoroethane.</i> | | | | | | | | | | | | |
| | <i>R 116, see Hexafluoroethane</i> | | | | | | | | | | | | |
| | <i>R 124, see Chlorotetrafluoroethane.</i> | | | | | | | | | | | | |
| | <i>R 133a, see Chlorotrifluoroethane.</i> | | | | | | | | | | | | |
| | <i>R 152a, see Difluoroethane</i> | | | | | | | | | | | | |
| | <i>R 500, see Dichlorodifluoromethane and difluoroethane, etc.</i> | | | | | | | | | | | | |
| | <i>R 502, see Chlorodifluoromethane and chloropentafluoroethane mixture, etc.</i> | | | | | | | | | | | | |
| | <i>R 503, see Chlorotrifluoromethane and trifluoromethane, etc.</i> | | | | | | | | | | | | |
| D | Radioactive material, excepted package-articles manufactured from natural or depleted uranium or natural thorium. | 7 | UN2910 | ..... | None | | 422, 426. | 422, 426. | 422, 426. | | | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-------|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|--------|
| | | | | | | | 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 | Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium. | 7 | UN2909 | ..... | None | | 422, 426. | 422, 426. | 422, 426. | ..... | ..... | A | ..... |
| D | Radioactive material, excepted package-empty package or empty packaging. | 7 | UN2910 | ..... | Empty | | 428 | 428 | 428 ..... | ..... | ..... | A | ..... |
| I | Radioactive material, excepted package-empty packaging. | 7 | UN2908 | ..... | Empty | | 422, 428. | 422, 428. | 422, 428. | ..... | ..... | A | ..... |
| D | Radioactive material, excepted package-instruments or articles. | 7 | UN2910 | ..... | None | | 422, 424. | 422, 424. | 422, 424. | ..... | ..... | A | ..... |
| I | Radioactive material, excepted package-instruments or articles. | 7 | UN2911 | ..... | None | | 422, 424. | 422, 424. | 422, 424. | ..... | ..... | A | ..... |
| | Radioactive material, excepted package-limited quantity of material. | 7 | UN2910 | ..... | None | | 421, 422. | 421, 422. | 421, 422. | ..... | ..... | A | ..... |
| D | Radioactive material, fissile, n.o.s.. | 7 | UN2918 | ..... | 7 | | 453 | 417 | 417 ..... | ..... | ..... | A | 40, 95 |
| I | Radioactive material, low specific activity (LSA-I) <i>non fissile or fissile-excepted</i> . | 7 | UN2912 | ..... | 7 | T5, TP4, W7 | 421, 422, 428. | 427 | 427 ..... | ..... | ..... | A | 95 |
| I | Radioactive material, low specific activity (LSA-II) <i>non fissile or fissile-excepted</i> . | 7 | UN3321 | ..... | 7 | T5, TP4, W7 | 421, 422, 428. | 427 | 427 ..... | ..... | ..... | A | 95 |
| I | Radioactive material, low specific activity (LSA-III) <i>non fissile or fissile excepted</i> . | 7 | UN3322 | ..... | 7 | T5, TP4, W7 | 421, 422, 428. | 427 | 427 ..... | ..... | ..... | A | 95 |
| D | Radioactive material, low specific activity, n.o.s. or Radioactive material, LSA, n.o.s.. | 7 | UN2912 | ..... | 7 | T5, TP4 | 421, 428. | 427 | 427 ..... | ..... | ..... | A | 95 |
| D | Radioactive material, n.o.s. | 7 | UN2982 | ..... | 7 | | 421, 428. | 415, 416. | 415, 416. | ..... | ..... | A | 40, 95 |
| D | Radioactive material, special form, n.o.s.. | 7 | UN2974 | ..... | 7 | | 421, 424. | 415, 416. | 415, 416. | ..... | ..... | A | 95 |

| | | | | | | | | | | | | | | | | | |
|---|--|-------|--------|-------|-------|-------|--------|----------------|-----------|-----------|-----------|-----------|-------|-------|--------|-------|-------|
| D | Radioactive material, surface contaminated object or Radioactive material, SCO. | 7 | UN2913 | ..... | 7 | ..... | ..... | 421, 424, 426. | 427 | ..... | 427 | ..... | ..... | ..... | A | 95 | |
| I | Radioactive material, surface contaminated objects (SCO-I or SCO-II) <i>non fissile or fissile-excepted.</i> | 7 | UN2913 | ..... | 7 | ..... | ..... | 421, 422, 428. | 427 | ..... | 427 | ..... | ..... | ..... | A | 95 | |
| I | Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted.</i> | 7 | UN2919 | ..... | 7 | ..... | 139 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| I | Radioactive material, transported under special arrangement, fissile. | 7 | UN3331 | ..... | 7 | ..... | 139 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| I | Radioactive material, Type A package, fissile <i>non-special form.</i> | 7 | UN3327 | ..... | 7 | ..... | W7, W8 | 453 | ..... | 417 | ..... | 417 | ..... | ..... | A | 95 | |
| I | Radioactive material, Type A package <i>non-special form, non fissile or fissile-excepted.</i> | 7 | UN2915 | ..... | 7 | ..... | W7, W8 | ..... | 415 | ..... | 415 | ..... | ..... | ..... | A | 95 | |
| I | Radioactive material, Type A package, special form <i>non fissile or fissile-excepted.</i> | 7 | UN3332 | ..... | 7 | ..... | W7, W8 | ..... | 415, 476. | ..... | 415, 476. | ..... | ..... | ..... | A | 95 | |
| I | Radioactive material, Type A package, special form, fissile. | 7 | UN3333 | ..... | 7 | ..... | W7, W8 | 453 | ..... | 417, 476. | ..... | 417, 476. | ..... | ..... | A | ..... |  |
| I | Radioactive material, Type B(M) package, fissile. | 7 | UN3329 | ..... | 7 | ..... | ..... | 453 | ..... | 417 | ..... | 417 | ..... | ..... | A | ..... |  |
| I | Radioactive material, Type B(M) package <i>non fissile or fissile-excepted.</i> | 7 | UN2917 | ..... | 7 | ..... | ..... | ..... | 416 | ..... | 416 | ..... | ..... | ..... | A | 95 | |
| I | Radioactive material, Type B(U) package, fissile. | 7 | UN3328 | ..... | 7 | ..... | ..... | 453 | ..... | 417 | ..... | 417 | ..... | ..... | A | ..... |  |
| I | Radioactive material, Type B(U) package <i>non fissile or fissile-excepted.</i> | 7 | UN2916 | ..... | 7 | ..... | ..... | ..... | 416 | ..... | 416 | ..... | ..... | ..... | A | 95 | |
| I | Radioactive material, uranium hexafluoride <i>non fissile or fissile-excepted.</i> | 7 | UN2978 | ..... | 7, 8 | ..... | ..... | 423 | ..... | 420, 427. | ..... | 420, 427. | ..... | ..... | A | 95 | |
| I | Radioactive material, uranium hexafluoride, fissile. | 7 | UN2977 | ..... | 7, 8 | ..... | ..... | 453 | ..... | 417, 420. | ..... | 417, 420. | ..... | ..... | A | ..... |  |
| | <i>Railway torpedo, see Signals, railway track, explosive.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| | Rare gases and nitrogen mixtures, compressed. | 2.2 | UN1981 | | 2.2 | | | 306 | | 302 | | None | | 75 kg | 150 kg | A | |
| | Rare gases and oxygen mixtures, compressed. | 2.2 | UN1980 | | 2.2 | | 79 | 306 | | 302 | | None | | 75 kg | 150 kg | A | |
| | Rare gases mixtures, compressed. | 2.2 | UN1979 | | 2.2 | | | 306 | | 302 | | None | | 75 kg | 150 kg | A | |
| | RC 318, see Octafluorocyclobutane. | | | | | | | | | | | | | | | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|--|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | RDX and cyclotetramethylenetetranitramine, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized. | 1.1D | UN0391 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| | RDX and HMX mixtures, wetted with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass. | | | | | | | | | | | | |
| | RDX and Octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc. | | | | | | | | | | | | |
| | RDX, see Cyclotrimethylene trinitramine, etc. | | | | | | | | | | | | |
| | Receptacles, small, containing gas (gas cartridges) flammable, without release device, not refillable and not exceeding 1 L capacity. | 2.1 | UN2037 | | 2.1 | | 306 | 304 | None | 1 kg | 15 kg | B | 40 |
| | Receptacles, small, containing gas (gas cartridges) non-flammable, without release device, not refillable and not exceeding 1 L capacity. | 2.2 | UN2037 | | 2.2 | | 306 | 304 | None | 1 kg | 15 kg | B | 40 |
| | Red phosphorus, see Phosphorus, amorphous. | | | | | | | | | | | | |
| | Refrigerant gas R 404A | 2.2 | UN3337 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| | Refrigerant gas R 407A | 2.2 | UN3338 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| | Refrigerant gas R 407B | 2.2 | UN3339 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| | Refrigerant gas R 407C | 2.2 | UN3340 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |
| G | Refrigerant gases, n.o.s. | 2.2 | UN1078 | | 2.2 | T50 | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|--|------|--------|-------|------|-------|------------------------|-----------|-------|-----|-------|-----------|-----------|-----------|----|--------------|
| D | Refrigerant gases, n.o.s. or Dispersant gases, n.o.s. | 2.1 | NA1954 | ..... | 2.1 | ..... | T50 | 306 | ..... | 304 | ..... | 314, 315. | Forbidden | 150 kg | D | 40 |
| | Refrigerating machines, containing flammable, non-toxic, liquefied gas. | 2.1 | UN3358 | ..... | 2.1 | ..... |  | 306 | ..... | 306 | ..... | 306 | Forbidden | Forbidden | C | 40 |
| | Refrigerating machines, containing non-flammable, non-toxic, liquefied gas or ammonia solution (UN2672). | 2.2 | UN2857 | ..... | 2.2 | ..... | A53 | 306, 307. | ..... | 306 | ..... | 306, 307. | 450 kg | 450 kg | A | ..... |
| | Regulated medical waste | 6.2 | UN3291 | II | 6.2 | ..... | A13, A14 | 134 | ..... | 197 | ..... | None | No limit | No limit | E | ..... |
| | Release devices, explosive | 1.4S | UN0173 | II | 1.4S | ... | | None | ..... | 62 | ..... | None | 25 kg | 100 kg | 05 | ..... |
| | Resin solution, flammable | 3 | UN1866 | I | 3 | ..... | B52, T11, TP1, TP8 | 150 | ..... | 201 | ..... | 243 | 1 L | 30 L | E | ..... |
|  | ..... |  |  | II | 3 | ..... | B52, IB2, T4, TP1, TP8 | 150 | ..... | 173 | ..... | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | ..... | B1, B52, IB3, T2, TP1 | 150 | ..... | 173 | ..... | 242 | 60 L | 220 L | A | ..... |
| | Resorcinol | 6.1 | UN2876 | III | 6.1 | ..... | IB8, IP3 | 153 | ..... | 213 | ..... | 240 | 100 kg | 200 kg | A | ..... |
| | Rifle grenade, see Grenades, hand or rifle, etc. | | | | | | | | | | | | | | | |
| | Rifle powder, see Powder, smokeless (UN 0160). | | | | | | | | | | | | | | | |
| | Rivets, explosive | 1.4S | UN0174 | II | 1.4S | ... | | None | ..... | 62 | ..... | None | 25 kg | 100 kg | 05 | ..... |
| | Road asphalt or tar liquid, see Tars, liquid, etc. | | | | | | | | | | | | | | | |
| | Rocket motors | 1.3C | UN0186 | II | 1.3C | .. | 109 | None | ..... | 62 | ..... | None | Forbidden | 220 kg | 03 | ..... |
| | Rocket motors | 1.1C | UN0280 | II | 1.1C | .. | 109 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 03 | ..... |
| | Rocket motors | 1.2C | UN0281 | II | 1.2C | .. | 109 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 03 | ..... |
| | Rocket motors, liquid fueled | 1.2J | UN0395 | II | 1.2J | ... | 109 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 04 | 23E |
| | Rocket motors, liquid fueled | 1.3J | UN0396 | II | 1.3J | ... | 109 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 04 | 23E |
| | Rocket motors with hypergolic liquids with or without an expelling charge. | 1.3L | UN0250 | II | 1.3L | ... | 109 | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 08 | 8E, 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 | 08 | 8E, 14E, 15E |
| | Rockets, line-throwing | 1.2G | UN0238 | II | 1.2G | .. | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 07 | ..... |
| | Rockets, line-throwing | 1.3G | UN0240 | II | 1.3G | .. | | None | ..... | 62 | ..... | None | Forbidden | 75 kg | 07 | ..... |
| | Rockets, line-throwing | 1.4G | UN0453 | II | 1.4G | .. | | None | ..... | 62 | ..... | None | Forbidden | 75 kg | 06 | ..... |
| | Rockets, liquid fueled with bursting charge. | 1.1J | UN0397 | II | 1.1J | ... | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 04 | 23E |
| | Rockets, liquid fueled with bursting charge. | 1.2J | UN0398 | II | 1.2J | ... | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 04 | 23E |
| | Rockets, with bursting charge | 1.1F | UN0180 | II | 1.1F | ... | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 08 | ..... |
| | Rockets, with bursting charge | 1.1E | UN0181 | II | 1.1E | ... | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 03 | ..... |
| | Rockets, with bursting charge | 1.2E | UN0182 | II | 1.2E | ... | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 03 | ..... |
| | Rockets, with bursting charge | 1.2F | UN0295 | II | 1.2F | ... | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 08 | ..... |
| | Rockets, with expelling charge | 1.2C | UN0436 | II | 1.2C | .. | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 03 | ..... |
| | Rockets, with expelling charge | 1.3C | UN0437 | II | 1.3C | .. | | None | ..... | 62 | ..... | None | Forbidden | Forbidden | 03 | ..... |
| | Rockets, with expelling charge | 1.4C | UN0438 | II | 1.4C | .. | | None | ..... | 62 | ..... | None | Forbidden | 75 kg | 02 | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| | Rockets, with inert head | 1.3C | UN0183 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Rockets, with inert head | 1.2C | UN0502 | ..... | 1.2C .. | | None | 62 | None | Forbidden | Forbidden | B | 1E, 5E |
| | Rosin oil | 3 | UN1286 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... | ..... | ..... | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Rubber solution | 3 | UN1287 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... | ..... | ..... | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Rubidium | 4.3 | UN1423 | I | 4.3 | 22, A7, A19, IB1, IP1, N34, N40, N45 | None | 211 | 242 | Forbidden | 15 kg | D | ..... |
| | Rubidium hydroxide | 8 | UN2678 | II | 8 | IB8, IP2, IP4, T7, TP2 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Rubidium hydroxide solution | 8 | UN2677 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
|  | ..... | ..... | ..... | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Safety fuse, see Fuse, safety .... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| G | Samples, explosive, other than initiating explosives.. | ..... | UN0190 | II | ..... | 113 | None | 62 | None | Forbidden | Forbidden | 14 | 12E |
| | 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, IP6, N7 | None | 213 | 241 | Forbidden | Forbidden | A | 13 |
| I | Seed cake with more than 1.5 percent oil and not more than 11 percent moisture. | 4.2 | UN1386 | III | None | IB8, IP3, IP6, N7 | None | 213 | 241 | Forbidden | Forbidden | E | 13 |
| I | Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture. | 4.2 | UN2217 | III | None | IB8, IP3, IP6, N7 | None | 213 | 241 | Forbidden | Forbidden | A | 13 |
| | Selenates or Selenites | 6.1 | UN2630 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | E | ..... |
| | Selenic acid | 8 | UN1905 | I | 8 | IB7, IP1, N34 | None | 211 | 242 | Forbidden | 25 kg | A | ..... |
| | Selenium compound, n.o.s. | 6.1 | UN3283 | I | 6.1 | IB7, IP1, T14, TP2, TP27 | None | 211 | 242 | 5 kg | 50 kg | B | ..... |
|  | ..... | ..... | ..... | II | 6.1 | IB8, IP2, IP4, T11, TP2, TP27 | None | 212 | 242 | 25 kg | 100 kg | B | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|--|----------------------------|----------------------------|-----|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|
| | | | | | | | 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 | Self-heating, solid, toxic, or- ganic, n.o.s.. | 4.2 | UN3128 | II | 4.2, 6.1. | IB5, IP2 | None | 212 | 242 | 15 kg | 50 kg | C | ..... |
| | | | | III | 4.2, 6.1. | IB8, IP3 | None | 213 | 242 | 25 kg | 100 kg | C | ..... |
| | <i>Self-propelled vehicle, see En- gines or Batteries etc.</i> | | | | | | | | | | | | |
| G | Self-reactive liquid type B | 4.1 | UN3221 | II | 4.1 | 53 | None | 224 | None | Forbidden | Forbidden | D | 61 |
| G | Self-reactive liquid type B, tem- perature controlled. | 4.1 | UN3231 | II | 4.1 | 53 | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive liquid type C | 4.1 | UN3223 | II | 4.1 | | None | 224 | None | 5 L | 10 L | D | 61 |
| G | Self-reactive liquid type C, tem- perature controlled. | 4.1 | UN3233 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive liquid type D | 4.1 | UN3225 | II | 4.1 | | None | 224 | None | 5 L | 10 L | D | 61 |
| G | Self-reactive liquid type D, tem- perature controlled. | 4.1 | UN3235 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive liquid type E | 4.1 | UN3227 | II | 4.1 | | None | 224 | None | 10 L | 25 L | D | 61 |
| G | Self-reactive liquid type E, tem- perature controlled. | 4.1 | UN3237 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive liquid type F | 4.1 | UN3229 | II | 4.1 | | None | 224 | None | 10 L | 25 L | D | 61 |
| G | Self-reactive liquid type F, tem- perature controlled. | 4.1 | UN3239 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive solid type B | 4.1 | UN3222 | II | 4.1 | 53 | None | 224 | None | Forbidden | Forbidden | D | 61 |
| G | Self-reactive solid type B, tem- perature controlled. | 4.1 | UN3232 | II | 4.1 | 53 | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive solid type C | 4.1 | UN3224 | II | 4.1 | | None | 224 | None | 5 kg | 10 kg | D | 61 |
| G | Self-reactive solid type C, tem- perature controlled. | 4.1 | UN3234 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive solid type D | 4.1 | UN3226 | II | 4.1 | | None | 224 | None | 5 kg | 10 kg | D | 61 |
| G | Self-reactive solid type D, tem- perature controlled. | 4.1 | UN3236 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive solid type E | 4.1 | UN3228 | II | 4.1 | | None | 224 | None | 10 kg | 25 kg | D | 61 |
| G | Self-reactive solid type E, tem- perature controlled. | 4.1 | UN3238 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| G | Self-reactive solid type F | 4.1 | UN3230 | II | 4.1 | | None | 224 | None | 10 kg | 25 kg | D | 61 |
| G | Self-reactive solid type F, tem- perature controlled. | 4.1 | UN3240 | II | 4.1 | | None | 224 | None | Forbidden | Forbidden | D | 2, 61 |
| | Shale oil | 3 | UN1288 | I | 3 | T11, TP1, TP8, TP27 | None | 201 | 243 | 1 L | 30 L | B | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|-----------|--------|-------|--------|-------|-------------------------------------|-------|-------|-------|-------|-------|-------|-----------|-----------|-------|-------------|
| ..... | ..... | ..... | II | 3 | ..... | IB2, T4, TP1, TP8 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| <i>Shaped charges, see Charges, shaped, etc.</i> | ..... | ..... | III | 3 | ..... | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |
| Signal devices, hand | 1.4G | UN0191 | II | 1.4G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | 75 kg | 06 | ..... |
| Signal devices, hand | 1.4S | UN0373 | II | 1.4S | ... | | None | ..... | 62 | ..... | None | ..... | 25 kg | 100 kg | 05 | ..... |
| Signals, distress, <i>ship</i> | 1.1G | UN0194 | II | 1.1G | ... | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 07 | ..... |
| Signals, distress, <i>ship</i> | 1.3G | UN0195 | II | 1.3G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | 75 kg | 07 | ..... |
| <i>Signals, highway, see Signal devices, hand.</i> | ..... | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Signals, railway track, explosive | 1.1G | UN0192 | II | 1.1G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 07 | ..... |
| Signals, railway track, explosive | 1.4S | UN0193 | II | 1.4S | ... | | None | ..... | 62 | ..... | None | ..... | 25 kg | 100 kg | 05 | ..... |
| Signals, railway track, explosive | 1.3G | UN0492 | ..... | 1.3G | ... | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 07 | ..... |
| Signals, railway track, explosive | 1.4G | UN0493 | ..... | 1.4G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | 75 kg | 06 | ..... |
| <i>Signals, ship distress, water-activated, see Contrivances, water-activated, etc.</i> | ..... | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Signals, smoke | 1.1G | UN0196 | II | 1.1G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 07 | ..... |
| Signals, smoke | 1.4G | UN0197 | II | 1.4G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | 75 kg | 06 | ..... |
| Signals, smoke | 1.2G | UN0313 | II | 1.2G | ... | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 07 | ..... |
| Signals, smoke | 1.3G | UN0487 | II | 1.3G | .. | | None | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 07 | ..... |
| Silane, compressed | 2.1 | UN2203 | ..... | 2.1 | ..... |  | None | ..... | 302 | ..... | None | ..... | Forbidden | Forbidden | E | 40, 57, 104 |
| <i>Silicofluoric acid, see Fluorosilicic acid.</i> | ..... | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silicon chloride, see Silicon tetrachloride.</i> | ..... | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Silicon powder, amorphous | 4.1 | UN1346 | III | 4.1 | ..... | A1, IB8, IP3 | None | ..... | 213 | ..... | 240 | ..... | 25 kg | 100 kg | A | ..... |
| Silicon tetrachloride | 8 | UN1818 | II | 8 | ..... | A3, A6, B2, B6, IB2, T7, TP2, TP7 | 154 | ..... | 202 | ..... | 242 | ..... | 1 L | 30 L | C | 40 |
| Silicon tetrafluoride, compressed | 2.3 | UN1859 | ..... | 2.3, 8 | ..... | 2 | None | ..... | 302 | ..... | None | ..... | Forbidden | Forbidden | D | 40 |
| <i>Silver acetylide (dry)</i> | Forbidden | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silver arsenite</i> | 6.1 | UN1683 | II | 6.1 | ..... | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | ..... |
| <i>Silver azide (dry)</i> | Forbidden | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silver chlorite (dry)</i> | Forbidden | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silver cyanide</i> | 6.1 | UN1684 | II | 6.1 | ..... | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | 26, 40 |
| <i>Silver fulminate (dry)</i> | Forbidden | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silver nitrate</i> | 5.1 | UN1493 | II | 5.1 | ..... | IB8, IP4 | 152 | ..... | 212 | ..... | 242 | ..... | 5 kg | 25 kg | A | ..... |
| <i>Silver oxalate (dry)</i> | Forbidden | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silver picrate (dry)</i> | Forbidden | ..... | ..... | ..... | ..... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <i>Silver picrate, wetted with not less than 30 percent water, by mass.</i> | 4.1 | UN1347 | I | 4.1 | ..... |  | None | ..... | 211 | ..... | None | ..... | Forbidden | Forbidden | D | 28, 36 |
| Sludge, acid | 8 | UN1906 | II | 8 | ..... | A3, A7, B2, IB2, N34, T8, TP2, TP12 | None | ..... | 202 | ..... | 242 | ..... | Forbidden | 30 L | C | 14 |
| D Smokeless powder for small arms (100 pounds or less). | 4.1 | NA3178 | I | 4.1 | ..... | 16 | None | ..... | 171 | ..... | None | ..... | Forbidden | 7.3 kg | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym- bols (1) | Hazardous materials descrip- tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|-------------------------|--|---|---|---------------|---------------------------|---|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | | | | | | | | | | | | | |
| | Soda lime with more than 4 per- cent sodium hydroxide. | 8 | UN1907 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Sodium | 4.3 | UN1428 | I | 4.3 | A7, A8, A19, A20, B9, B48, B68, IB4, IP1, N34, T9, TP3, TP7, TP46 | None | 211 | 244 | Forbidden | 15 kg | D | ..... |
| | Sodium aluminate, solid | 8 | UN2812 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Sodium aluminate, solution | 8 | UN1819 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |
|  | ..... |  |  | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Sodium aluminum hydride | 4.3 | UN2835 | II | 4.3 | A8, A19, A20, IB1 | 151 | 212 | 242 | Forbidden | 50 kg | E | ..... |
| | Sodium ammonium vanadate | 6.1 | UN2863 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Sodium arsanilate | 6.1 | UN2473 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| | Sodium arsenate | 6.1 | UN1685 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Sodium arsenite, aqueous solu- tions. | 6.1 | UN1686 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
|  | ..... |  |  | III | 6.1 | IB3, T4, TP2 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Sodium arsenite, solid | 6.1 | UN2027 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Sodium azide | 6.1 | UN1687 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 36, 52, 91 |
| | Sodium bifluoride, see Sodium hydrogendifluoride. |  |  |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.. |  |  |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  | ..... |
| | Sodium borohydride | 4.3 | UN1426 | I | 4.3 | N40 | None | 211 | 242 | Forbidden | 15 kg | E | ..... |
| | Sodium borohydride and sodium hydroxide solution, with not more than 12 percent sodium borohydride and not more than 40 percent sodium hy- droxide by mass. | 8 | UN3320 | II | 8 | B2, IB2, N34, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | 26 |
|  | ..... |  |  | III | 8 | B2, IB3, N34, T4, TP2 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Sodium bromate | 5.1 | UN1494 | II | 5.1 | IB8, IP4 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | Sodium cacodylate | 6.1 | UN1688 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 26 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|------|--------|-----|-----------|--|------------|-----------|------------|-----------|-----------|----|-----------------|
| Sodium chlorate | 5.1 | UN1495 | II | 5.1 | A9, IB8, IP4, N34, T4, TP1 | 152 | 212 | 240 | 5 kg | 25 kg | A | 56, 58, 106 |
| Sodium chlorate, aqueous solution. | 5.1 | UN2428 | II | 5.1 | A2, IB2, T4, TP1 | 152 | 202 | 241 | 1 L | 5 L | B | 56, 58, 106 |
| ..... |  |  | III | 5.1 | A2, IB2, T4, TP1 | 152 | 203 | 241 | 2.5 L | 30 L | B | 56, 58, 69, 106 |
| <i>Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C.</i> | | | | | | | | | | | | |
| Sodium chlorite | 5.1 | UN1496 | II | 5.1 | A9, IB8, IP2, IP4, N34, T4, TP1 | None | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| Sodium chloroacetate | 6.1 | UN2659 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Sodium cuprocyanide, solid | 6.1 | UN2316 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 26 |
| Sodium cuprocyanide, solution .. | 6.1 | UN2317 | I | 6.1 | T14, TP2, TP13 | None | 201 | 243 | 1 L | 30 L | B | 26, 40 |
| Sodium cyanide | 6.1 | UN1689 | I | 6.1 | B69, B77, IB7, IP1, N74, N75, T14, TP2, TP13 | None | 211 | 242 | 5 kg | 50 kg | B | 52 |
| <i>Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetriene, see Dichloroisocyanuric acid etc.</i> | | | | | | | | | | | | |
| Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass. | 1.3C | UN0234 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass. | 4.1 | UN1348 | I | 4.1, 6.1. | 23, A8, A19, A20, N41 | None | 211 | None | 1 kg | 15 kg | E | 28, 36 |
| Sodium dithionite or Sodium hydrosulfite. | 4.2 | UN1384 | II | 4.2 | A19, A20, IB6, IP2 | None | 212 | 241 | 15 kg | 50 kg | E | 13 |
| Sodium fluoride | 6.1 | UN1690 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 |
| Sodium fluoroacetate | 6.1 | UN2629 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | E | ..... |
| Sodium fluorosilicate | 6.1 | UN2674 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 |
| <i>Sodium hydrate, see Sodium hydroxide, solid.</i> | | | | | | | | | | | | |
| Sodium hydride | 4.3 | UN1427 | I | 4.3 | A19, N40 | None | 211 | 242 | Forbidden | 15 kg | E | ..... |
| Sodium hydrogendifluoride, solid | 8 | UN2439 | II | 8 | IB8, IP2, IP4, N3, N34 | 154 | 212 | 240 | 15 kg | 50 kg | A | 12, 25, 26, 40 |
| Sodium hydrogendifluoride solution. | 8 | UN2439 | II | 8 | IB8, IP2, IP4, N3, N34 | 154 | 202 | 242 | 1 L | 30 L | A | 12, 25, 26, 40 |
| Sodium hydrosulfide, with less than 25 percent water of crystallization. | 4.2 | UN2318 | II | 4.2 | A7, A19, A20, IB6, IP2 | None | 212 | 241 | 15 kg | 50 kg | A | ..... |
| 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 | 26 |
| <i>Sodium hydrosulfite, see Sodium dithionite.</i> | | | | | | | | | | | | |
| Sodium hydroxide, solid | 8 | UN1823 | II | 8 | IB8, IP2, IP4 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| Sodium hydroxide solution | 8 | UN1824 | II | 8 | B2, IB2, N34, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|-----------------|---|-----------------------------------|-----------------------------------|-----------------|-------------------------------|--|---------------------------------|--|--|---------------------------------|-------------------------------|-----------------------|-------------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | <i>Sodium hypochlorite, solution, see Hypochlorite solutions etc.</i> <i>Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s..</i> Sodium methylate | 4.2 3 | UN1431 UN1289 | III II II | 8 3, 8 | IB3, N34, T4, TP1 A19, IB5, IP2 IB2, T7, TP1, TP8 | 154 None | 203 212 202 | 241 242 243 | 5 L 15 kg 1 L | 60 L 50 kg 5 L | A B B | ..... ..... ..... |
| | Sodium methylate solutions in alcohol..... Sodium monoxide | 8 | UN1825 | III II | 3, 8 8 | B1, IB3, T4, TP1 IB8, IP2, IP4 | 150 154 | 203 212 | 242 240 | 5 L 15 kg | 60 L 50 kg | A A | ..... ..... |
| | Sodium nitrate | 5.1 | UN1498 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Sodium nitrate and potassium nitrate mixtures..... Sodium nitrite | 5.1 5.1 | UN1499 UN1500 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 56, 58 |
| | Sodium pentachlorophenate | 6.1 | UN2567 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | Sodium perchlorate | 5.1 | UN1502 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | Sodium permanganate | 5.1 | UN1503 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | D | 56, 58, 69, 106, 107 |
| | Sodium peroxide | 5.1 | UN1504 | I | 5.1 | A20, IB6, IP1, N34 | None | 211 | None | Forbidden | 15 kg | B | 13, 75, 106 |
| | Sodium peroxoborate, anhydrous..... Sodium persulfate | 5.1 5.1 | UN3247 UN1505 | II III | 5.1 | IB8, IP4 A1, IB8, IP3 | 152 152 | 212 213 | 240 240 | 5 kg 25 kg | 25 kg 100 kg | A A | 13, 25, 106 |
| | Sodium phosphide | 4.3 | UN1432 | I | 4.3, 6.1, 1.3C .. | A19, N40 | None | 211 | None | Forbidden | 15 kg | E | 40, 85 |
| | Sodium picramate, dry or wetted with less than 20 percent water, by mass..... Sodium picramate, wetted with not less than 20 percent water, by mass..... Sodium picryl peroxide | 1.3C 4.1 Forbidden | UN0235 UN1349 | II I | 1.3C .. 4.1 | 23, A8, A19, N41 | None None | 62 211 | None None | Forbidden Forbidden | Forbidden 15 kg | 10 E | 5E 28, 36 |

| | | | | | | | | | | | | | |
|---|-----------|--------|-----|-----------|----------------------------|------|-----|------|-----------|-----------|----|-------------|--|
| Sodium potassium alloys, see Potassium sodium alloys. | | | | | | | | | | | | | |
| Sodium selenate, see Selenates or Selenites. | | | | | | | | | | | | | |
| Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization. | 4.2 | UN1385 | II | 4.2 | A19, A20, IB6, IP2, N34 | None | 212 | 241 | 15 kg | 50 kg | A | | |
| Sodium sulfide, hydrated with not less than 30 percent water. | 8 | UN1849 | II | 8 | IB8, IP2, IP4, T7, TP2 | 154 | 212 | 240 | 15 kg | 50 kg | A | 26 | |
| Sodium superoxide | 5.1 | UN2547 | I | 5.1 | A20, IB6, IP1, N34 | None | 211 | None | Forbidden | 15 kg | E | 13, 75, 106 | |
| Sodium tetranitride | Forbidden | | | | | | | | | | | | |
| Solids containing corrosive liquid, n.o.s.. | 8 | UN3244 | II | 8 | 49, IB5 | 154 | 212 | 240 | 15 kg | 50 kg | B | 40 | |
| Solids containing flammable liquid, n.o.s.. | 4.1 | UN3175 | II | 4.1 | 47, IB6, IP2 | 151 | 212 | 240 | 15 kg | 50 kg | B | | |
| Solids containing toxic liquid, n.o.s.. | 6.1 | UN3243 | II | 6.1 | 48, IB2 | None | 212 | 240 | 25 kg | 100 kg | B | 40 | |
| Sounding devices, explosive | 1.2F | UN0204 | II | 1.2F | | None | 62 | None | Forbidden | Forbidden | O8 | | |
| Sounding devices, explosive | 1.1F | UN0296 | II | 1.1F | | None | 62 | None | Forbidden | Forbidden | O8 | | |
| Sounding devices, explosive | 1.1D | UN0374 | II | 1.1D | | None | 62 | None | Forbidden | Forbidden | O7 | | |
| Sounding devices, explosive | 1.2D | UN0375 | II | 1.2D | | None | 62 | None | Forbidden | Forbidden | O7 | | |
| Spirits of salt, see Hydrochloric acid. | | | | | | | | | | | | | |
| 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 | 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, 85 | |
| Steel swarf, see Ferrous metal borings, etc. | | | | | | | | | | | | | |
| Stibine | 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 | None | 212 | 242 | 25 kg | 100 kg | A | | |
| Strontium chlorate | 5.1 | UN1506 | II | 5.1 | A1, A9, IB8, IP2, IP4, N34 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Strontium nitrate | 5.1 | UN1507 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | | |
| Strontium perchlorate | 5.1 | UN1508 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 | |
| Strontium peroxide | 5.1 | UN1509 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 13, 75, 106 | |
| Strontium phosphide | 4.3 | UN2013 | I | 4.3, 6.1. | A19, N40 | None | 211 | None | Forbidden | 15 kg | E | 40, 85 | |
| Strychnine or Strychnine salts | 6.1 | UN1692 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 | |
| Styphnic acid, see Trinitroresorcinol, etc. | | | | | | | | | | | | | |
| Styrene monomer, stabilized | 3 | UN2055 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-----|-------------|-------------------------------|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------------------|
| | | | | | | | 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 | Substances, explosive, n.o.s. | 1.1L | UN0357 | II | 1.1L ... | 101 | None | 62 | None | Forbidden | Forbidden | | 8E, 14E, 15E, 17E |
| G | Substances, explosive, n.o.s. | 1.2L | UN0358 | II | 1.2L ... | 101 | None | 62 | None | Forbidden | Forbidden | | 8E, 14E, 15E, 17E |
| G | Substances, explosive, n.o.s. | 1.3L | UN0359 | II | 1.3L ... | 101 | None | 62 | None | Forbidden | Forbidden | | 8E, 14E, 15E, 17E |
| G | Substances, explosive, n.o.s. | 1.1A | UN0473 | II | 1.1A ... | 101, 111 | None | 62 | None | Forbidden | Forbidden | 12 | ..... |
| G | Substances, explosive, n.o.s. | 1.1C | UN0474 | II | 1.1C .. | 101 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| G | Substances, explosive, n.o.s. | 1.1D | UN0475 | II | 1.1D .. | 101 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| G | Substances, explosive, n.o.s. | 1.1G | UN0476 | II | 1.1G .. | 101 | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| G | Substances, explosive, n.o.s. | 1.3C | UN0477 | II | 1.3C .. | 101 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| G | Substances, explosive, n.o.s. | 1.3G | UN0478 | II | 1.3G .. | 101 | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| G | Substances, explosive, n.o.s. | 1.4C | UN0479 | II | 1.4C .. | 101 | None | 62 | None | Forbidden | 75 kg | 09 | ..... |
| G | Substances, explosive, n.o.s. | 1.4D | UN0480 | II | 1.4D .. | 101 | None | 62 | None | Forbidden | 75 kg | 09 | ..... |
| G | Substances, explosive, n.o.s. | 1.4S | UN0481 | II | 1.4S ... | 101 | None | 62 | None | 25 kg | 75 kg | 05 | ..... |
| G | Substances, explosive, n.o.s. | 1.4G | UN0485 | II | 1.4G .. | 101 | None | 62 | None | Forbidden | 75 kg | 08 | ..... |
| G | Substances, explosive, very in- sensitive, n.o.s., or Sub- stances, EVI, n.o.s.. | 1.5D | UN0482 | II | 1.5D .. | 101 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Substituted nitrophenol pes- ticides, 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 |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Substituted nitrophenol pes- ticides, liquid, toxic. | 6.1 | UN3014 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... |  |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... |  |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |

| | | | | | | | | | | | | | |
|---|--|-----------|--------|-----|-----------|---|-----------|------------|-----------|-----------|-----------|---|--------|
| | Substituted nitrophenol pesticides, liquid, toxic, flammable flash point not less than 23 degrees C. | 6.1 | UN3013 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... | ..... | ..... | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... | ..... | ..... | III | 6.1, 3 | B1, IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Substituted nitrophenol pesticides, solid, toxic. | 6.1 | UN2779 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
|  | ..... | ..... | ..... | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
|  | ..... | ..... | ..... | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Sucrose octanitrate (dry) | Forbidden | | | | | | | | | | | |
| | Sulfamic acid | 8 | UN2967 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| D | Sulfur | 9 | NA1350 | III | 9 | 30, IB8, IP2 | None | None | 240 | No limit | No limit | A | 19, 74 |
| I | Sulfur | 4.1 | UN1350 | III | 4.1 | 30, IB8, IP3, T1, TP1 | None | None | 240 | No limit | No limit | A | 19, 74 |
| | Sulfur and chlorate, loose mixtures of. | Forbidden | | | | | | | | | | | |
| | Sulfur chlorides | 8 | UN1828 | I | 8 | 5, A3, B10, B77, N34, T20, TP2, TP12 | None | 201 | 243 | Forbidden | 2.5 L | C | 40 |
| | Sulfur dichloride, see Sulfur chlorides. | | | | | | | | | | | | |
| | Sulfur dioxide | 2.3 | UN1079 | | 2.3, 8 | 3, B14, T50, TP19 | None | 304 | 314, 315. | Forbidden | 25 kg | D | 40 |
| | Sulfur dioxide solution, see Sulfurous acid. | | | | | | | | | | | | |
| | Sulfur hexafluoride | 2.2 | UN1080 | | 2.2 | | 306 | 304 | 314, 315. | 75 kg | 150 kg | A | ..... |
| D | Sulfur, molten | 9 | NA2448 | III | 9 | IB3, T1, TP3 | None | 213 | 247 | Forbidden | Forbidden | C | 61 |
| I | Sulfur, molten | 4.1 | UN2448 | III | 4.1 | IB1, T1, TP3 | None | 213 | 247 | Forbidden | Forbidden | C | 61 |
| | Sulfur tetrafluoride | 2.3 | UN2418 | | 2.3, 8 | 1 | None | 302 | 245 | Forbidden | Forbidden | D | 40 |
| + | Sulfur trioxide, stabilized | 8 | UN1829 | I | 8, 6.1 | 2, A7, B9, B14, B32, B49, B74, B77, N34, T20, TP4, TP12, TP13, TP25, TP26, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | A | 40 |
| | Sulfuretted hydrogen, see Hydrogen sulfide. | | | | | | | | | | | | |
| | Sulfuric acid, fuming with less than 30 percent free sulfur trioxide. | 8 | UN1831 | I | 8 | A3, A7, B84, N34, T20, TP2, TP12, TP13 | None | 201 | 243 | Forbidden | 2.5 L | C | 14, 40 |
| + | Sulfuric acid, fuming with 30 percent or more free sulfur trioxide. | 8 | UN1831 | I | 8, 6.1 | 2, A3, A6, A7, B9, B14, B32, B74, B77, B84, N34, T20, TP2, TP12, TP13 | None | 227 | 244 | Forbidden | Forbidden | C | 14, 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stowage | |
|-----|---|-------|--------|-------|----------|---|-----------------------------|----------------------|--------------|------------------------------------|----------------------------------|------------------------|----------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Sulfuric acid, spent | 8 | UN1832 | II | 8 | A3, A7, B2, B83, B84, IB2, N34, T8, TP2, TP12 | None | 202 | 242 | Forbidden | 30 L | C | 14 |
| | Sulfuric acid with more than 51 percent acid. | 8 | UN1830 | II | 8 | A3, A7, B3, B83, B84, IB2, N34, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | C | 14 |
| | Sulfuric acid with not more than 51% acid. | 8 | UN2796 | II | 8 | A3, A7, B2, B15, IB2, N6, N34, T8, TP2, TP12 | 154 | 202 | 242 | 1 L | 30 L | B | ..... |
| | Sulfuric and hydrofluoric acid mixtures, see Hydrofluoric and sulfuric acid mixtures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Sulfuric anhydride, see Sulfur trioxide, stabilized. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Sulfurous acid | 8 | UN1833 | II | 8 | B3, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | B | 40 |
| + | Sulfuryl chloride | 8 | UN1834 | I | 8, 6.1 | 1, A3, B6, B9, B10, B14, B30, B74, B77, N34, T22, TP2, TP12, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | C | 40 |
| | Sulfuryl fluoride | 2.3 | UN2191 | ..... | 2.3 | 4 | None | 304 | 314, 315 | Forbidden | 25 kg | D | 40 |
| | Tars, liquid including road asphalt and oils, bitumen and cut backs. | 3 | UN1999 | II | 3 | B13, IB2, T3, TP3, TP29 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... | ..... | ..... | III | 3 | B1, B13, IB3, T1, TP3 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Tear gas candles | 6.1 | UN1700 | II | 6.1, 4.1 | ..... | None | 340 | None | Forbidden | 50 kg | D | 40 |
| | Tear gas cartridges, see Ammunition, tear-producing, etc. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| D | Tear gas devices with more than 2 percent tear gas substances, by mass. | 6.1 | NA1693 | I | 6.1 | ..... | None | 340 | None | Forbidden | Forbidden | D | 40 |
|  | ..... | ..... | ..... | II | 6.1 | ..... | None | 340 | None | Forbidden | Forbidden | D | 40 |
| | Tear gas devices, with not more than 2 percent tear gas substances, by mass, see Aerosols, etc. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

254

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica-tion Num-bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow-age | |
|---------------------|---|--|-------------------------------------|---------------|------------------------|--|--------------------------|----------------------|------------------|-------------------------------------|----------------------------------|------------------------|--------------------|
| | | | | | | | Excep-tions (8A) | Non-bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air-craft only (9B) | Loca-tion (10A) | Other (10B) |
| + | Tetranitromethane | 5.1 | UN1510 | I | 5.1, 6.1. | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP44 | None | 227 | None | Forbidden | Forbidden | D | 40, 66, 106 |
| | <i>2,3,4,6-Tetranitrophenol</i> | Forbidden | | | | | | | | | | | |
| | <i>2,3,4,6-Tetranitrophenyl methyl nitramine.</i> | Forbidden | | | | | | | | | | | |
| | <i>2,3,4,6-Tetranitrophenylnitramine</i> | Forbidden | | | | | | | | | | | |
| | <i>Tetranitroresorcinol (dry)</i> | Forbidden | | | | | | | | | | | |
| | <i>2,3,5,6-Tetranitroso-1,4-dinitrobenzene.</i> | Forbidden | | | | | | | | | | | |
| | <i>2,3,5,6-Tetranitroso nitrobenzene (dry).</i> | Forbidden | | | | | | | | | | | |
| | Tetrapropylorthotitanate | 3 | UN2413 | III | 3 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | Tetrazene, see Guanyl nitrosaminoguanyltetrazene. | Forbidden | | | | | | | | | | | |
| | <i>Tetrazine (dry)</i> | Forbidden | | | | | | | | | | | |
| | Tetrazol-1-acetic acid | 1.4C | UN0407 | II | 1.4C .. | | None | 62 | None | Forbidden | 75 kg | 09 | |
| | 1H-Tetrazole | 1.1D | UN0504 | | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | B | 1E, 5E |
| | <i>Tetrazolyl azide (dry)</i> | Forbidden | | | | | | | | | | | |
| | Tetryl, see Trinitrophenylmethyl nitramine. | | | | | | | | | | | | |
| | Thallium chlorate | 5.1 | UN2573 | II | 5.1, 6.1. | IB6, IP2 | None | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | Thallium compounds, n.o.s. | 6.1 | UN1707 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | Thallium nitrate | 6.1 | UN2727 | II | 6.1, 5.1. | IB6, IP2 | None | 212 | 242 | 5 kg | 25 kg | A | |
| | 4-Thiapentanal | 6.1 | UN2785 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | D | 25, 49 |
| | Thioacetic acid | 3 | UN2436 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| | Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2772 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
|  | ..... |  |  | II | 3, 6.1 | IB2, T11, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN3005 | I | 6.1, 3 | T14, TP2, TP13 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... |  |  | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | |
|--|-------|--------|-------|--------|--|-------|-------|-------|-------|-------|-------|-----------|-----------|-------|--------|
| ..... | ..... | ..... | III | 6.1, 3 | IB3, T7, TP2, TP28 | 153 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | 40 |
| Thiocarbamate pesticide, liquid, toxic. | 6.1 | UN3006 | I | 6.1 | T14, TP2, TP13 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | B | 40 |
| ..... | ..... | ..... | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | B | 40 |
| Thiocarbamate pesticides, solid, toxic. | 6.1 | UN2771 | III | 6.1 | IB3, T7, TP2, TP28 | 153 | ..... | 203 | ..... | 241 | ..... | 60 L | 220 L | A | 40 |
| ..... | ..... | ..... | I | 6.1 | IB7, IP1 | None | ..... | 211 | ..... | 242 | ..... | 5 kg | 50 kg | A | 40 |
| ..... | ..... | ..... | II | 6.1 | IB8, IP2, IP4 | None | ..... | 212 | ..... | 242 | ..... | 25 kg | 100 kg | A | 40 |
| Thiocarbonylchloride, see Thiophosgene. | ..... | ..... | III | 6.1 | IB8, IP3 | 153 | ..... | 213 | ..... | 240 | ..... | 100 kg | 200 kg | A | 40 |
| Thioglycol | 6.1 | UN2966 | II | 6.1 | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| Thioglycolic acid | 8 | UN1940 | II | 8 | A7, B2, IB2, N34, T7, TP2 | 154 | ..... | 202 | ..... | 242 | ..... | 1 L | 30 L | A | ..... |
| Thiolactic acid | 6.1 | UN2936 | II | 6.1 | IB2, T7, TP2 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| Thionyl chloride | 8 | UN1836 | I | 8 | A7, B6, B10, N34, T10, TP2, TP12, TP13 | None | ..... | 201 | ..... | 243 | ..... | Forbidden | Forbidden | C | 40 |
| Thiophene | 3 | UN2414 | II | 3 | IB2, T4, TP1 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | 40 |
| Thiophosgene | 6.1 | UN2474 | II | 6.1 | 2, A7, B9, B14, B32, B74, N33, N34, T20, TP2, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | B | 26, 40 |
| Thiophosphoryl chloride | 8 | UN1837 | II | 8 | A3, A7, B2, B8, B25, IB2, N34, T7, TP2 | None | ..... | 202 | ..... | 242 | ..... | Forbidden | 30 L | C | 40 |
| Thiourea dioxide | 4.2 | UN3341 | II | 4.2 | IB6, IP2 | None | ..... | 212 | ..... | 241 | ..... | 15 kg | 50 kg | D | ..... |
| ..... | ..... | ..... | III | 4.2 | IB8, IP3 | None | ..... | 213 | ..... | 241 | ..... | 25 kg | 100 kg | D | ..... |
| D Thorium metal, pyrophoric | 7 | UN2975 | ..... | 7, 4.2 | ..... | None | ..... | 418 | ..... | None | ..... | Forbidden | Forbidden | D | 95 |
| D Thorium nitrate, solid | 7 | UN2976 | ..... | 7, 5.1 | ..... | None | ..... | 419 | ..... | None | ..... | Forbidden | 15 kg | A | 95 |
| Tin chloride, fuming, see Stannic chloride, anhydrous. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Tinctures, medicinal | 3 | UN1293 | II | 3 | IB2, T4, TP1, TP8 | 150 | ..... | 202 | ..... | 242 | ..... | 5 L | 60 L | B | ..... |
| ..... | ..... | ..... | III | 3 | B1, IB3, T2, TP1 | 150 | ..... | 203 | ..... | 242 | ..... | 60 L | 220 L | A | ..... |
| Tinning flux, see Zinc chloride | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Titanium disulphide | 4.2 | UN3174 | III | 4.2 | IB8, IP3 | None | ..... | 213 | ..... | 241 | ..... | 25 kg | 100 kg | A | ..... |
| Titanium hydride | 4.1 | UN1871 | II | 4.1 | A19, A20, IB4, N34 | None | ..... | 212 | ..... | 241 | ..... | 15 kg | 50 kg | E | ..... |
| Titanium powder, dry | 4.2 | UN2546 | I | 4.2 | ..... | None | ..... | 211 | ..... | 242 | ..... | Forbidden | Forbidden | D | ..... |
| ..... | ..... | ..... | II | 4.2 | A19, A20, IB6, IP2, N5, N34 | None | ..... | 212 | ..... | 241 | ..... | 15 kg | 50 kg | D | ..... |
| ..... | ..... | ..... | III | 4.2 | IB8, IP3 | None | ..... | 213 | ..... | 241 | ..... | 25 kg | 100 kg | D | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|---|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns. | 4.1 | UN1352 | II | 4.1 | A19, A20, IB6, IP2, N34 | None | 212 | 240 | 15 kg | 50 kg | E | |
| | Titanium sponge granules or Titanium sponge powders. | 4.1 | UN2878 | III | 4.1 | A1, IB8, IP3 | None | 213 | 240 | 25 kg | 100 kg | D | |
| + | Titanium tetrachloride | 8 | UN1838 | II | 8, 6.1 | 2, A3, A6, B7, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | C | 40 |
| | Titanium trichloride mixtures | 8 | UN2869 | II | 8 | A7, IB8, IP2, IP4, N34 | 154 | 212 | 240 | 15 kg | 50 kg | A | 40 |
| | Titanium trichloride, pyrophoric or Titanium trichloride mixtures, pyrophoric. | 4.2 | UN2441 | I | 4.2, 8 | A7, A8, A19, A20, N34 | None | 181 | 244 | Forbidden | Forbidden | D | 40 |
| | TNT mixed with aluminum, see Tritonal. | | | | | | | | | | | | |
| | TNT, see Trinitrotoluene, etc | | | | | | | | | | | | |
| | Toluene | 3 | UN1294 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| + | Toluene diisocyanate | 6.1 | UN2078 | II | 6.1 | IB2, T7, TP2, TP13 | None | 202 | 243 | 5 L | 60 L | D | 25, 40 |
| | Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc. | | | | | | | | | | | | |
| + | Toluidines liquid | 6.1 | UN1708 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | |
| + | Toluidines solid | 6.1 | UN1708 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | 2,4-Toluylenediamine or 2,4-Toluenediamine. | 6.1 | UN1709 | III | 6.1 | IB8, IP3, T4, TP1 | 153 | 213 | 240 | 100 kg | 200 kg | A | |
| | Torpedoes, liquid fueled, with inert head. | 1.3J | UN0450 | II | 1.3J | | | 62 | None | Forbidden | Forbidden | 04 | 23E |
| | Torpedoes, liquid fueled, with or without bursting charge. | 1.1J | UN0449 | II | 1.1J | | | 62 | None | Forbidden | Forbidden | 04 | 23E |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | | | | |
|---|--|------|--------|-----|----------|--|------|-------|------|-------|-----------|-----------|-----------|-----------|---|-------|
| | Torpedoes with bursting charge | 1.1E | UN0329 | II | 1.1E ... | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 03 | ..... |  |  |
| | Torpedoes with bursting charge | 1.1F | UN0330 | II | 1.1F ... | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 08 | ..... |  |  |
| | Torpedoes with bursting charge | 1.1D | UN0451 | II | 1.1D .. | ..... | 62 | ..... | None | ..... | Forbidden | Forbidden | 03 | ..... |  |  |
| 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 | ..... |
| | | | | II | 6.1, 8 | IB2, T11, TP2, TP27 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 30 L | A | ..... |
| G | Toxic liquid, corrosive, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone A. | 6.1 | UN3289 | I | 6.1, 8 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None | ..... | 226 | ..... | 244 | ..... | Forbidden | Forbidden | B | 40 |
| G | Toxic liquid, corrosive, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone B. | 6.1 | UN3289 | I | 6.1, 8 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | B | 40 |
| G | Toxic liquid, inorganic, n.o.s. | 6.1 | UN3287 | I | 6.1 | T14, TP2, TP13, TP27 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | A | ..... |
| | | | | II | 6.1 | IB2, T11, TP2, TP27 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | A | ..... |
| | | | | III | 6.1 | IB3, T7, TP1, TP28 | 153 | ..... | 203 | ..... | 241 | ..... | 60 L | 220 L | A | ..... |
| G | Toxic liquid, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone A. | 6.1 | UN3287 | I | 6.1 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None | ..... | 226 | ..... | 244 | ..... | Forbidden | Forbidden | B | 40 |
| G | Toxic liquid, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone B. | 6.1 | UN3287 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | B | 40 |
| G | Toxic liquids, corrosive, organic, n.o.s.. | 6.1 | UN2927 | I | 6.1, 8 | T14, TP2, TP13, TP27 | None | ..... | 201 | ..... | 243 | ..... | 0.5 L | 2.5 L | B | 40 |
| | | | | II | 6.1, 8 | IB2, T11, TP2, TP27 | None | ..... | 202 | ..... | 243 | ..... | 1 L | 30 L | B | 40 |
| G | Toxic liquids, corrosive, organic, n.o.s., inhalation hazard, Packing Group I, Zone A. | 6.1 | UN2927 | I | 6.1, 8 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None | ..... | 226 | ..... | 244 | ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic liquids, corrosive, organic, n.o.s., inhalation hazard, Packing Group I, Zone B. | 6.1 | UN2927 | I | 6.1, 8 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None | ..... | 227 | ..... | 244 | ..... | Forbidden | Forbidden | D | 40 |
| G | Toxic liquids, flammable, organic, n.o.s.. | 6.1 | UN2929 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | ..... | 201 | ..... | 243 | ..... | 1 L | 30 L | B | 40 |
| | | | | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | ..... | 202 | ..... | 243 | ..... | 5 L | 60 L | B | 40 |
| G | Toxic liquids, flammable, organic, n.o.s., inhalation hazard, Packing Group I, Zone A. | 6.1 | UN2929 | I | 6.1, 3 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None | ..... | 226 | ..... | 244 | ..... | Forbidden | Forbidden | D | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols | Hazardous materials descrip-tions and proper shipping names | Hazard class or Di- vision | Identifica- tion Num- bers | PG | Label Codes | Special provisions (§172.102) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|----------|---|----------------------------|----------------------------|-----|-------------|--|--------------------------|-----------|-----------|--------------------------|-----------------------|-----------------------|-------|
| | | | | | | | 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 | Toxic liquids, flammable, or- ganic, n.o.s., <i>inhalation haz- ard, Packing Group I, Zone B.</i> | 6.1 | UN2929 | I | 6.1, 3 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| G | Toxic liquids, organic, n.o.s. | 6.1 | UN2810 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... |  |  | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... |  |  | III | 6.1 | IB3, T7, TP1, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| G | Toxic liquids, organic, n.o.s. <i>In- halation hazard, Packing Group I, Zone A.</i> | 6.1 | UN2810 | I | 6.1 | 1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | D | 40 |
| G | Toxic liquids, organic, n.o.s. <i>In- halation hazard, Packing Group I, Zone B.</i> | 6.1 | UN2810 | I | 6.1 | 2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 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 | ..... |
|  | ..... |  |  | II | 6.1, 5.1. | IB2 | None | 202 | 243 | 1 L | 5 L | C | ..... |
| G | Toxic liquids, oxidizing, n.o.s. <i>In- halation hazard, Packing Group I, Zone A.</i> | 6.1 | UN3122 | I | 6.1, 5.1. | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | C | ..... |
| G | Toxic liquids, oxidizing, n.o.s. <i>In- halation Hazard, Packing Group I, Zone B.</i> | 6.1 | UN3122 | I | 6.1, 5.1. | 2, B9, B14, B32, T20, TP2, TP13, TP38, TP44 | None | 227 | 244 | Forbidden | Forbidden | C | ..... |
| G | Toxic liquids, water-reactive, n.o.s.. | 6.1 | UN3123 | I | 6.1, 4.3. | A4 | None | 201 | 243 | Forbidden | 1 L | E | 40 |
|  | ..... |  |  | II | 6.1, 4.3. | IB2 | None | 202 | 243 | 1 L | 5 L | E | 40 |
| G | Toxic liquids, water-reactive, n.o.s. <i>Inhalation hazard, pack- ing group I, Zone A.</i> | 6.1 | UN3123 | I | 6.1, 4.3. | 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 | None | 226 | 244 | Forbidden | Forbidden | E | 40 |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | | |
|---|--|-----------|--------|-----|-----------|--|------|-----|------|-----------|-----------|----|-------|
| G | Toxic liquids, water-reactive, n.o.s. <i>Inhalation hazard, packing group I, Zone B.</i> | 6.1 | UN3123 | I | 6.1, 4.3. | 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP44 | None | 227 | 244 | Forbidden | Forbidden | E | 40 |
| G | Toxic solid, corrosive, inorganic, n.o.s.. | 6.1 | UN3290 | I | 6.1, 8 | IB7 | None | 211 | 242 | 1 kg | 25 kg | A | ..... |
| G | Toxic solid, inorganic, n.o.s. | 6.1 | UN3288 | II | 6.1, 8 | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | A | ..... |
| | | | | I | 6.1 | IB7 | None | 211 | 242 | 5 kg | 50 kg | A | ..... |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| G | Toxic solids, corrosive, organic, n.o.s.. | 6.1 | UN2928 | I | 6.1, 8 | IB7 | None | 211 | 242 | 1 kg | 25 kg | B | 40 |
| G | Toxic solids, flammable, organic, n.o.s.. | 6.1 | UN2930 | II | 6.1, 8 | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | B | 40 |
| | | | | I | 6.1, 4.1. | IB6 | None | 211 | 242 | 1 kg | 15 kg | B | ..... |
| | | | | II | 6.1, 4.1. | IB8, IP2, IP4 | None | 212 | 242 | 15 kg | 50 kg | B | ..... |
| G | Toxic solids, organic, n.o.s. | 6.1 | UN2811 | I | 6.1 | IB7 | None | 211 | 242 | 5 kg | 50 kg | B | ..... |
| | | | | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | B | ..... |
| | | | | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| G | Toxic solids, oxidizing, n.o.s. | 6.1 | UN3086 | I | 6.1, 5.1. | | None | 211 | 242 | 1 kg | 15 kg | C | ..... |
| | | | | II | 6.1, 5.1. | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | C | ..... |
| G | Toxic solids, self-heating, n.o.s. | 6.1 | UN3124 | I | 6.1, 4.2. | A5 | None | 211 | 242 | 5 kg | 15 kg | D | 40 |
| | | | | II | 6.1, 4.2. | IB6, IP2 | 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 | None | 211 | 242 | 5 kg | 15 kg | D | 40 |
| | | | | II | 6.1, 4.3. | IB6, IP2 | None | 212 | 242 | 15 kg | 50 kg | D | 40 |
| D | Toy Caps | 1.4S | NA0337 | II | 1.4S | | None | 62 | None | 25 kg | 100 kg | 05 | ..... |
| | Tracers for ammunition | 1.3G | UN0212 | II | 1.3G | | None | 62 | None | Forbidden | Forbidden | 07 | ..... |
| | Tracers for ammunition | 1.4G | UN0306 | II | 1.4G | | None | 62 | None | Forbidden | 75 kg | 06 | ..... |
| | <i>Tractors, see Vehicle, etc</i> ..... |  |  |  |  |  |  |  |  |  |  |  | ..... |
| | <i>Tri-(b-nitroxyethyl) ammonium nitrate.</i> | Forbidden |  |  |  |  |  |  |  |  |  |  | ..... |
| | Triallyl borate | 6.1 | UN2609 | III | 6.1 | IB3 | 153 | 203 | 241 | 60 L | 220 L | A | 13 |
| | Triallylamine | 3 | UN2610 | III | 3, 8 | B1, IB3, T4, TP1 | None | 203 | 242 | 5 L | 60 L | A | 40 |
| | Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C. | 3 | UN2764 | I | 3, 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | Forbidden | 30 L | B | 40 |
| | | | | II | 3, 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 1 L | 60 L | B | 40 |
| | Triazine pesticides, liquid, toxic | 6.1 | UN2998 | I | 6.1 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | 6.1 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

| Sym- bols (1) | Hazardous materials descrip- tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|-------------------------|--|---|---|---------------|---------------------------|--|-----------------------------|--------------------------|------------------|--|--------------------------------------|-----------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
|  | ..... | ..... |  | III | 6.1 | IB3, T7, TP2, TP28 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. | 6.1 | UN2997 | I | 6.1, 3 | T14, TP2, TP13, TP27 | None | 201 | 243 | 1 L | 30 L | B | 40 |
|  | ..... | ..... |  | II | 6.1, 3 | IB2, T11, TP2, TP13, TP27 | None | 202 | 243 | 5 L | 60 L | B | 40 |
|  | ..... | ..... |  | III | 6.1, 3 | IB3, T7, TP2, TP28 | 153 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Triazine pesticides, solid, toxic .. | 6.1 | UN2763 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 40 |
|  | ..... | ..... |  | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | 40 |
|  | ..... | ..... |  | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| | Tributylamine | 6.1 | UN2542 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | Tributylphosphane | 4.2 | UN3254 | I | 4.2 | | None | 211 | 242 | Forbidden | Forbidden | D | ..... |
| | <i>Trichloro-s-triazinetrione dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry.</i> | | | | | | | | | | | | |
| | Trichloroacetic acid | 8 | UN1839 | II | 8 | A7, IB8, IP2, IP4, N34 | 154 | 212 | 240 | 15 kg | 50 kg | A | ..... |
| | Trichloroacetic acid, solution | 8 | UN2564 | II | 8 | A3, A6, A7, B2, IB2, N34, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | B | ..... |
|  | ..... | ..... |  | III | 8 | A3, A6, A7, IB3, N34, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | B | 8 |
| + | Trichloroacetyl chloride | 8 | UN2442 | II | 8, 6.1 | 2, A3, A7, B9, B14, B32, B74, N34, T20, TP2, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 40 |
| | Trichlorobenzenes, liquid | 6.1 | UN2321 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Trichlorobutene | 6.1 | UN2322 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 25, 40 |
| | 1,1,1-Trichloroethane | 6.1 | UN2831 | III | 6.1 | IB3, N36, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Trichloroethylene | 6.1 | UN1710 | III | 6.1 | IB3, N36, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | 40 |
| | Trichloroisocyanuric acid, dry | 5.1 | UN2468 | II | 5.1 | IB8, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | A | 13 |
| | <i>Trichloromethyl perchlorate</i> | Forbidden | | | | | | | | | | | |

262

| | | | | | | | | | | | | |
|--|-----------|--------|-------|------------|---|------|------|-----------|-----------|-----------|---|---------------------|
| Trichlorosilane | 4.3 | UN1295 | I | 4.3, 3, 8. | A7, N34, T14, TP2, TP7, TP13 | None | 201 | 244 | Forbidden | Forbidden | D | 21, 28, 40, 49, 100 |
| Tricresyl phosphate <i>with more than 3 percent ortho isomer.</i> | 6.1 | UN2574 | II | 6.1 | A3, IB2, N33, N34, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| Triethyl phosphite | 3 | UN2323 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Triethylamine | 3 | UN1296 | II | 3, 8 | IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40 |
| Triethylenetetramine | 8 | UN2259 | II | 8 | B2, IB2, T7, TP2 | 154 | 202 | 242 | 1 L | 30 L | B | 40 |
| Trifluoroacetic acid | 8 | UN2699 | I | 8 | A3, A6, A7, B4, N3, N34, T10, TP2, TP12 | None | 201 | 243 | 0.5 L | 2.5 L | B | 12, 40 |
| Trifluoroacetyl chloride | 2.3 | UN3057 | ..... | 2.3, 8 | 2, B7, B9, B14, T50, TP21 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| Trifluorochloroethylene, stabilized. | 2.3 | UN1082 | ..... | 2.3, 2.1. | 3, B14, T50 | None | 304 | 314, 315. | Forbidden | Forbidden | D | 40 |
| 1,1,1-Trifluoroethane, compressed or Refrigerant gas R 143a. | 2.1 | UN2035 | ..... | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 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 | ..... |
| 2-Trifluoromethylaniline | 6.1 | UN2942 | III | 6.1 | IB3 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| 3-Trifluoromethylaniline | 6.1 | UN2948 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | 40 |
| Triformoxime trinitrate | Forbidden | | | | | | | | | | | |
| Triisobutylene | 3 | UN2324 | III | 3 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Triisopropyl borate | 3 | UN2616 | II | 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 | ..... |
| D Trimethoxysilane | 6.1 | NA9269 | I | 6.1, 3 | 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | E | 40 |
| Trimethyl borate | 3 | UN2416 | II | 3 | IB2, T7, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Trimethyl phosphite | 3 | UN2329 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| 1,3,5-Trimethyl-2,4,6-trinitrobenzene. | Forbidden | | | | | | | | | | | |
| Trimethylacetyl chloride | 6.1 | UN2438 | I | 6.1, 8, 3. | 2, A3, A6, A7, B3, B9, B14, B32, B74, N34, T20, TP2, TP13, TP38, TP45 | None | 227 | 244 | Forbidden | Forbidden | D | 25, 40 |
| Trimethylamine, anhydrous | 2.1 | UN1083 | ..... | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| Trimethylamine, aqueous solutions <i>with not more than 50 percent trimethylamine by mass.</i> | 3 | UN1297 | I | 3, 8 | T11, TP1 | None | 201 | 243 | 0.5 L | 2.5 L | D | 40, 41 |
| ..... |  |  | II | 3, 8 | B1, IB2, T7, TP1 | None | 202 | 243 | 1 L | 5 L | B | 40, 41 |
| ..... |  |  | III | 3, 8 | B1, IB3, T7, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | 40, 41 |
| 1,3,5-Trimethylbenzene | 3 | UN2325 | III | 3 | B1, IB3, T2, TP1 | None | 203 | 242 | 60 L | 220 L | A | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Trimethylchlorosilane | 3 | UN1298 | II | 3, 8 | A3, A7, B77, IB2, N34, T7, TP2, TP13 | None | 202 | 243 | 1 L | 5 L | E | 40 |
| | Trimethylcyclohexylamine | 8 | UN2326 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | <i>Trimethylene glycol diperchlorate.</i> | Forbidden | | | | | | | | | | | |
| | Trimethylhexamethylene diisocyanate. | 6.1 | UN2328 | III | 6.1 | IB3, T4, TP2, TP13 | 153 | 203 | 241 | 60 L | 220 L | B | ..... |
| | Trimethylhexame thylenediamines. | 8 | UN2327 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | <i>Trimethylol nitromethane trinitrate.</i> | Forbidden | | | | | | | | | | | |
| | Trinitro-meta-cresol | 1.1D | UN0216 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| | <i>2,4,6-Trinitro-1,3-diazobenzene</i> | Forbidden | | | | | | | | | | | |
| | <i>2,4,6-Trinitro-1,3,5-triazido benzene (dry).</i> | Forbidden | | | | | | | | | | | |
| | <i>Trinitroacetic acid</i> | Forbidden | | | | | | | | | | | |
| | <i>Trinitroacetoneitrile</i> | Forbidden | | | | | | | | | | | |
| | <i>Trinitroamine cobalt</i> | Forbidden | | | | | | | | | | | |
| | Trinitroaniline or Picramide | 1.1D | UN0153 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Trinitroanisole | 1.1D | UN0213 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Trinitrobenzene, <i>dry or wetted with less than 30 percent water, by mass.</i> | 1.1D | UN0214 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Trinitrobenzene, <i>wetted with not less than 30 percent water, by mass.</i> | 4.1 | UN1354 | I | 4.1 | 23, A2, A8, A19, N41 | None | 211 | None | 0.5 kg | 0.5 kg | E | 28 |
| | Trinitrobenzenesulfonic acid | 1.1D | UN0386 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| | Trinitrobenzoic acid, <i>dry or wetted with less than 30 percent water, by mass.</i> | 1.1D | UN0215 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Trinitrobenzoic acid, <i>wetted with not less than 30 percent water, by mass.</i> | 4.1 | UN1355 | I | 4.1 | 23, A2, A8, A19, N41 | None | 211 | None | 0.5 kg | 0.5 kg | E | 28 |
| | Trinitrochlorobenzene or Picryl chloride. | 1.1D | UN0155 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | <i>Trinitroethanol</i> | Forbidden | | | | | | | | | | | |
| | <i>Trinitroethylnitrate</i> | Forbidden | | | | | | | | | | | |
| | Trinitrofluorenone | 1.1D | UN0387 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|-----------|--------|-----|------------|----------------------|-----------|-----------|-----------|-----------|-----------|----|--------|
| Trinitromethane | Forbidden | | | | | | | | | | | |
| 1,3,5-Trinitronaphthalene | Forbidden | | | | | | | | | | | |
| Trinitronaphthalene | 1.1D | UN0217 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| Trinitrophenetole | 1.1D | UN0218 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| Trinitrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass. | 1.1D | UN0154 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| Trinitrophenol, wetted with not less than 30 percent water, by mass. | 4.1 | UN1344 | I | 4.1 | 23, A8, A19, N41 | None | 211 | None | 1 kg | 15 kg | E | 28, 36 |
| 2,4,6-Trinitrophenyl guanidine (dry). | Forbidden | | | | | | | | | | | |
| 2,4,6-Trinitrophenyl nitramine | Forbidden | | | | | | | | | | | |
| 2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry). | Forbidden | | | | | | | | | | | |
| Trinitrophenylmethyl nitramine or Tetryl. | 1.1D | UN0208 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| Trinitroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass. | 1.1D | UN0219 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| Trinitroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass. | 1.1D | UN0394 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| 2,4,6-Trinitroso-3-methyl nitraminoanisoole. | Forbidden | | | | | | | | | | | |
| Trinitrotetramine cobalt nitrate ... and Trinitrotoluene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Trinitrotoluene and hexanitrostilbene mixtures. | Forbidden | | | | | | | | | | | |
| Trinitrotoluene | 1.1D | UN0388 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| Trinitrotoluene mixtures containing Trinitrobenzene and Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene. | 1.1D | UN0389 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| Trinitrotoluene or TNT, dry or wetted with less than 30 percent water, by mass. | 1.1D | UN0209 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | |
| Trinitrotoluene, wetted with not less than 30 percent water, by mass. | 4.1 | UN1356 | I | 4.1 | 23, A2, A8, A19, N41 | None | 211 | None | 0.5 kg | 0.5 kg | E | 28 |
| Tripropylamine | 3 | UN2260 | III | 3, 8 | B1, IB3, T4, TP1 | 150 | 203 | 242 | 5 L | 60 L | A | 40 |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|--|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|--------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Tripropylene | 3 | UN2057 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Tris-(1-aziridinyl)phosphine oxide, solution. | 6.1 | UN2501 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Tris, bis-bifluoroamino diethoxy propane (TVOPA). | Forbidden | | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | ..... |
| | Tritonal | 1.1D | UN0390 | III | 6.1 | IB3, T4, TP1 | 153 | 203 | 241 | 60 L | 220 L | A | ..... |
| | Tungsten hexafluoride | 2.3 | UN2196 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Turpentine | 3 | UN1299 | ..... | 2, 3, 8 | | None | 338 | None | Forbidden | Forbidden | D | 40 |
| | Turpentine substitute | 3 | UN1300 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
|  | ..... |  |  | I | 3 | T11, TP1, TP8, TP27 | None | 201 | 243 | 1 L | 30 L | B | ..... |
|  | ..... |  |  | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
|  | ..... |  |  | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| | Undecane | 3 | UN2330 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| D | Uranium hexafluoride, fissile excepted or non-fissile. | 7 | UN2978 | ..... | 7, 8 | | 423 | 420, 427. | 420, 427. | ..... | ..... | ..... | ..... |
| D | Uranium hexafluoride, fissile (with more than 1 percent U-235). | 7 | UN2977 | ..... | 7, 8 | | 453 | 417, 420. | 417, 420. | ..... | ..... | A | 95 |
| D | Uranium metal, pyrophoric | 7 | UN2979 | ..... | 7, 4.2 | | None | 418 | None ..... | ..... | ..... | D | 95 |
| D | Uranium nitrate hexahydrate solution. | 7 | UN2980 | ..... | 7, 8 | | 421, 427. | 415, 416, 417. | 415, 416, 417. | ..... | ..... | D | 95 |
| D | Uranyl nitrate, solid | 7 | UN2981 | ..... | 7, 5.1 | | None | 419 | None | Forbidden | 15 kg | A | 95 |
| | Urea hydrogen peroxide | 5.1 | UN1511 | III | 5.1, 8 | A1, A7, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 13 |
| | Urea nitrate, dry or wetted with less than 20 percent water, by mass. | 1.1D | UN0220 | II | 1.1D .. | 119 | None | 62 | None | Forbidden | Forbidden | 10 | ..... |
| | Urea nitrate, wetted with not less than 20 percent water, by mass. | 4.1 | UN1357 | I | 4.1 | 39, A8, A19, N41 | None | 211 | None | 1 kg | 15 kg | A | 28 |
| | Urea peroxide, see Urea hydrogen peroxide. | | | | | | | | | | | | |
| | Valeraldehyde | 3 | UN2058 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| | Valeric acid, see Corrosive liquids, n.o.s.. | | | | | | | | | | | | |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|-----------|--------|-------|------------|--|-------|-------|-----------|-----------|-----------|-------|-------|
| Valeryl chloride | 8 | UN2502 | II | 8, 3 | A3, A6, A7, B2, IB2, N34, T7, TP2 | 154 | 202 | 243 | 1 L | 30 L | C | 40 |
| Vanadium compound, n.o.s. | 6.1 | UN3285 | I | 6.1 | IB7, IP1, T14, TP2, TP27 | None | 211 | 242 | 5 kg | 50 kg | B | ..... |
| ..... | ..... | ..... | II | 6.1 | IB8, IP2, IP4, T11, TP2, TP27 | None | 212 | 242 | 25 kg | 100 kg | B | ..... |
| ..... | ..... | ..... | III | 6.1 | IB8, IP3, T7, TP1, TP28 | 153 | 213 | 240 | 100 kg | 200 kg | A | ..... |
| Vanadium oxytrichloride | 8 | UN2443 | II | 8 | A3, A6, A7, B2, B16, IB2, N34, T7, TP2 | 154 | 202 | 242 | Forbidden | 30 L | C | 40 |
| Vanadium pentoxide, <i>non-fused form</i> . | 6.1 | UN2862 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 40 |
| Vanadium tetrachloride | 8 | UN2444 | I | 8 | A3, A6, A7, B4, N34, T10, TP2 | None | 201 | 243 | Forbidden | 2.5 L | C | 40 |
| Vanadium trichloride | 8 | UN2475 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | 40 |
| Vanadyl sulfate | 6.1 | UN2931 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | ..... |
| Vehicle, flammable gas powered | 9 | UN3166 | ..... | 9 | 135 | 220 | 220 | 220 | Forbidden | No limit | A | ..... |
| Vehicle, flammable liquid powered. | 9 | UN3166 | ..... | 9 | 135 | 220 | 220 | 220 | No limit | No limit | A | ..... |
| <i>Very signal cartridge, see Cartridges, signal.</i> | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Vinyl acetate, stabilized | 3 | UN1301 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Vinyl bromide, stabilized | 2.1 | UN1085 | ..... | 2.1 | T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| Vinyl butyrate, stabilized | 3 | UN2838 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| Vinyl chloride, stabilized | 2.1 | UN1086 | ..... | 2.1 | 21, B44, T50 | 306 | 304 | 314, 315. | Forbidden | 150 kg | B | 40 |
| Vinyl chloroacetate | 6.1 | UN2589 | II | 6.1, 3 | IB2, T7, TP2 | None | 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 | ..... | 306 | 304 | 314, 315. | Forbidden | 150 kg | E | 40 |
| Vinyl isobutyl ether, stabilized | 3 | UN1304 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | ..... |
| 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 | None | 202 | 243 | 1 L | 30 L | B | 40 |
| Vinyltoluenes, stabilized | 3 | UN2618 | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | ..... |
| Vinyltrichlorosilane, stabilized | 3 | UN1305 | I | 3, 8 | A3, A7, B6, N34, T11, TP2, TP13 | None | 201 | 243 | Forbidden | 2.5 L | B | 40 |
| Warheads, rocket with burster or expelling charge. | 1.4D | UN0370 | II | 1.4D | ..... | None | 62 | None | Forbidden | 75 kg | 02 | ..... |
| Warheads, rocket with burster or expelling charge. | 1.4F | UN0371 | II | 1.4F | ..... | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| Warheads, rocket with bursting charge. | 1.1D | UN0286 | II | 1.1D | ..... | None | 62 | None | Forbidden | Forbidden | 03 | ..... |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stowage | |
|-----|--|------|--------|-----|-----------|---------------|-----------------------------|----------------------|--------------|------------------------------------|----------------------------------|------------------------|----------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Warheads, rocket <i>with bursting charge.</i> | 1.2D | UN0287 | II | 1.2D .. | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |
| | Warheads, rocket <i>with bursting charge.</i> | 1.1F | UN0369 | II | 1.1F ... | | None | 62 | None | Forbidden | Forbidden | 08 | ..... |
| | Warheads, torpedo <i>with bursting charge.</i> | 1.1D | UN0221 | II | 1.1D .. | | None | 62 | None | Forbidden | Forbidden | 03 | ..... |
| G | Water-reactive liquid, corrosive, n.o.s.. | 4.3 | UN3129 | I | 4.3, 8 | | None | 201 | 243 | Forbidden | 1 L | D | ..... |
|  | ..... |  |  | II | 4.3, 8 | IB1 | None | 202 | 243 | 1 L | 5 L | E | 85 |
|  | ..... |  |  | III | 4.3, 8 | IB2 | None | 203 | 242 | 5 L | 60 L | E | ..... |
| G | Water-reactive liquid, n.o.s. | 4.3 | UN3148 | I | 4.3 | | None | 201 | 244 | Forbidden | 1 L | E | 40 |
|  | ..... |  |  | II | 4.3 | IB1 | None | 202 | 243 | 1 L | 5 L | E | 40 |
|  | ..... |  |  | III | 4.3 | IB2 | 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 | ..... |
|  | ..... |  |  | II | 4.3, 6.1. | IB1 | None | 202 | 243 | 1 L | 5 L | E | 85 |
|  | ..... |  |  | III | 4.3, 6.1. | IB2 | None | 203 | 242 | 5 L | 60 L | E | 85 |
| G | Water-reactive solid, corrosive, n.o.s.. | 4.3 | UN3131 | I | 4.3, 8 | IB4, IP1, N40 | None | 211 | 242 | Forbidden | 15 kg | D | ..... |
|  | ..... |  |  | II | 4.3, 8 | IB6, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | E | 85 |
|  | ..... |  |  | III | 4.3, 8 | IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | E | 85 |
| G | Water-reactive solid, flammable, n.o.s.. | 4.3 | UN3132 | I | 4.3, 4.1. | IB4, N40 | None | 211 | 242 | Forbidden | 15 kg | D | ..... |
|  | ..... |  |  | II | 4.3, 4.1. | IB4 | 151 | 212 | 242 | 15 kg | 50 kg | E | ..... |
|  | ..... |  |  | III | 4.3, 4.1. | IB6 | 151 | 213 | 241 | 25 kg | 100 kg | E | ..... |
| G | Water-reactive solid, n.o.s. | 4.3 | UN2813 | I | 4.3 | IB4, N40 | None | 211 | 242 | Forbidden | 15 kg | E | 40 |
|  | ..... |  |  | II | 4.3 | IB7, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | E | 40 |
|  | ..... |  |  | III | 4.3 | IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | E | 40 |
| G | Water-reactive, solid, oxidizing, n.o.s.. | 4.3 | UN3133 | II | 4.3, 5.1. | | None | 214 | 214 | Forbidden | Forbidden | E | 40 |
|  | ..... |  |  | III | 4.3, 5.1. | | None | 214 | 214 | Forbidden | Forbidden | E | 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 | ..... |

§ 172.101
49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|---|---|------------|-----|----------|-------------------------------------|------|------|------|-----------|--------|---|-------------|
| | | | II | 4.3, 4.2 | IB5, IP2 | None | 212 | 242 | 15 kg | 50 kg | E | |
| | | | III | 4.3, 4.2 | IB8, IP4 | None | 213 | 241 | 25 kg | 100 kg | E | |
| G | Water-reactive solid, toxic, n.o.s. | 4.3 UN3134 | I | 4.3, 6.1 | A8, IB4, IP1, N40 | None | 211 | 242 | Forbidden | 15 kg | D | |
| | | | II | 4.3, 6.1 | IB5, IP2 | 151 | 212 | 242 | 15 kg | 50 kg | E | 85 |
| | | | III | 4.3, 6.1 | IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | E | 85 |
| | <i>Wheel chair, electric, see Battery powered vehicle or Battery powered equipment.</i> | | | | | | | | | | | |
| | <i>White acid, see Hydrofluoric acid.</i> | | | | | | | | | | | |
| I | White asbestos (<i>chrysotile, actinolite, anthophyllite, tremolite</i>). | 9 UN2590 | III | 9 | IB8, IP2, IP3 | 155 | 216 | 240 | 200 kg | 200 kg | A | 34, 40 |
| | Wood preservatives, liquid | 3 UN1306 | II | 3 | IB2, T4, TP1, TP8 | 150 | 202 | 242 | 5 L | 60 L | B | 40 |
| | | | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | 40 |
| | Xanthates | 4.2 UN3342 | II | 4.2 | IB6, IP2 | None | 212 | 241 | 15 kg | 50 kg | D | 40 |
| | | | III | 4.2 | IB8, IP3 | None | 213 | 241 | 25 kg | 100 kg | D | 40 |
| | Xenon, compressed | 2.2 UN2036 | | 2.2 | | 306 | 302 | None | 75 kg | 150 kg | A | |
| | Xenon, refrigerated liquid (<i>cryogenic liquids</i>). | 2.2 UN2591 | | 2.2 | T75, TP5 | 320 | None | None | 50 kg | 500 kg | B | |
| | Xylenes | 3 UN1307 | II | 3 | IB2, T4, TP1 | 150 | 202 | 242 | 5 L | 60 L | B | |
| | | | III | 3 | B1, IB3, T2, TP1 | 150 | 203 | 242 | 60 L | 220 L | A | |
| | Xylenols | 6.1 UN2261 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | Xylidines, solid | 6.1 UN1711 | II | 6.1 | IB8, IP2, IP4, T7, TP2 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | Xylidines, solution | 6.1 UN1711 | II | 6.1 | IB2, T7, TP2 | None | 202 | 243 | 5 L | 60 L | A | |
| | Xylyl bromide | 6.1 UN1701 | II | 6.1 | A3, A6, A7, IB2, N33, T7, TP2, TP13 | None | 340 | None | Forbidden | 60 L | D | 40 |
| | <i>p</i> -Xylyl diazide | Forbidden | | | | | | | | | | |
| | Zinc ammonium nitrite | 5.1 UN1512 | II | 5.1 | IB8, IP4 | None | 212 | 242 | 5 kg | 25 kg | E | |
| | Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures. | 6.1 UN1712 | II | 6.1 | IB8, IP2, IP4 | None | 212 | 242 | 25 kg | 100 kg | A | |
| | Zinc ashes | 4.3 UN1435 | III | 4.3 | A1, A19, IB8, IP4 | 151 | 213 | 241 | 25 kg | 100 kg | A | |
| | Zinc bisulfite solution, <i>see Bisulfites, aqueous solutions, n.o.s.</i> | | | | | | | | | | | |
| | Zinc bromate | 5.1 UN2469 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | 56, 58, 106 |
| | Zinc chlorate | 5.1 UN1513 | II | 5.1 | A9, IB8, IP2, IP4, N34 | 152 | 212 | 242 | 5 kg | 25 kg | A | 56, 58, 106 |
| | Zinc chloride, anhydrous | 8 UN2331 | III | 8 | IB8, IP3 | None | 213 | 240 | 25 kg | 100 kg | A | |

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|---------------------|---|---------------------------------------|---------------------------------------|---------------|------------------------|--|--------------------------|-----------------------|------------------|-------------------------------------|-----------------------------------|-------------------------|----------------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | Zinc chloride, solution | 8 | UN1840 | III | 8 | IB3, T4, TP1 | 154 | 203 | 241 | 5 L | 60 L | A | ..... |
| | Zinc cyanide | 6.1 | UN1713 | I | 6.1 | IB7, IP1 | None | 211 | 242 | 5 kg | 50 kg | A | 26 |
| | Zinc dithionite or Zinc hydro- sulfite. | 9 | UN1931 | III | None | IB8 | 155 | 204 | 240 | 100 kg | 200 kg | A | 49 |
| | <i>Zinc ethyl, see Diethylzinc</i> | | | | | | | | | | | | |
| | Zinc fluorosilicate | 6.1 | UN2855 | III | 6.1 | IB8, IP3 | 153 | 213 | 240 | 100 kg | 200 kg | A | 26 |
| | Zinc hydrosulfite, <i>see</i> Zinc dithionite. | | | | | | | | | | | | |
| | <i>Zinc muriate solution, see</i> Zinc chloride, solution. | | | | | | | | | | | | |
| | Zinc nitrate | 5.1 | UN1514 | II | 5.1 | IB8, IP4 | 152 | 212 | 240 | 5 kg | 25 kg | A | ..... |
| | Zinc permanganate | 5.1 | UN1515 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | D | 56, 58, 69, 106, 107 |
| | Zinc peroxide | 5.1 | UN1516 | II | 5.1 | IB6, IP2 | 152 | 212 | 242 | 5 kg | 25 kg | A | 13, 75, 106 |
| | Zinc phosphide | 4.3 | UN1714 | I | 4.3, 6.1. | A19, N40 | None | 211 | None | Forbidden | 15 kg | E | 40, 85 |
| | Zinc powder or Zinc dust | 4.3 | UN1436 | I | 4.3, 4.2. | A19, IB4, IP1, N40 | None | 211 | 242 | Forbidden | 15 kg | A | ..... |
|  | ..... |  |  | II | 4.3, 4.2. | A19, IB7, IP2 | None | 212 | 242 | 15 kg | 50 kg | A | ..... |
|  | ..... |  |  | III | 4.3, 4.2. | IB8, IP4 | None | 213 | 242 | 25 kg | 100 kg | A | ..... |
| | Zinc resinate | 4.1 | UN2714 | III | 4.1 | A1, IB6 | 151 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | <i>Zinc selenate, see</i> Selenates or Selenites. | | | | | | | | | | | | |
| | <i>Zinc selenite, see</i> Selenates or Selenites. | | | | | | | | | | | | |
| | <i>Zinc silicofluoride, see</i> Zinc fluorosilicate. | | | | | | | | | | | | |
| | Zirconium, dry, coiled wire, fin- ished metal sheets, strip (thin- ner than 254 microns but not thinner than 18 microns). | 4.1 | UN2858 | III | 4.1 | A1, IB8 | 151 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| | Zirconium, dry, finished sheets, strip or coiled wire. | 4.2 | UN2009 | III | 4.2 | A1, A19, IB8 | None | 213 | 240 | 25 kg | 100 kg | D | ..... |

§ 172.101

49 CFR Ch. I (10-1-02 Edition)

| | | | | | | | | | | | | |
|--|------|--------|-----|-----------|-----------------------------|-----------|-----------|-----------|-----------|-----------|----|--------|
| Zirconium hydride | 4.1 | UN1437 | II | 4.1 | A19, A20, IB4, N34 | None | 212 | 240 | 15 kg | 50 kg | E | ..... |
| Zirconium nitrate | 5.1 | UN2728 | III | 5.1 | A1, A29, IB8, IP3 | 152 | 213 | 240 | 25 kg | 100 kg | A | ..... |
| Zirconium picramate, <i>dry or wetted with less than 20 percent water, by mass.</i> | 1.3C | UN0236 | II | 1.3C .. | | None | 62 | None | Forbidden | Forbidden | 10 | 5E |
| Zirconium picramate, <i>wetted with not less than 20 percent water, by mass.</i> | 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 | | None | 211 | 242 | Forbidden | Forbidden | D | ..... |
| ..... |  |  | II | 4.2 | A19, A20, IB6, IP2, N5, N34 | None | 212 | 241 | 15 kg | 50 kg | D | ..... |
| ..... |  |  | III | 4.2 | IB8, IP3 | None | 213 | 241 | 25 kg | 100 kg | D | ..... |
| Zirconium powder, <i>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.</i> | 4.1 | UN1358 | II | 4.1 | A19, A20, IB6, IP2, N34 | None | 212 | 241 | 15 kg | 50 kg | E | ..... |
| Zirconium scrap | 4.2 | UN1932 | III | 4.2 | IB8, IP3, N34 | None | 213 | 240 | Forbidden | Forbidden | D | ..... |
| Zirconium suspended in a liquid | 3 | UN1308 | I | 3 | | None | 201 | 243 | Forbidden | Forbidden | B | ..... |
| ..... |  |  | II | 3 | IB2 | None | 202 | 242 | 5 L | 60 L | B | ..... |
| ..... |  |  | III | 3 | B1, IB2 | 150 | 203 | 242 | 60 L | 220 L | B | ..... |
| Zirconium tetrachloride | 8 | UN2503 | III | 8 | IB8, IP3 | 154 | 213 | 240 | 25 kg | 100 kg | A | ..... |

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 172.101, see the List of CFR Sections Affected in the Finding Aids section of this volume.

EFFECTIVE DATE NOTE: At 67 FR 53133, Aug. 14, 2002, as corrected at 67 FR 57635, Sept. 11, 2002, § 172.101 was amended by adding and revising proper shipping names in the Hazardous Materials Table, effective Oct. 1, 2002. At 67 FR 54967, Aug. 27, 2002, the effective date was corrected to Feb. 14, 2003. For the

convenience of the user, the added and revised text is set forth as follows:

§ 172.101 Purpose and use of hazardous materials table.

* * * * *

§ 172.101 HAZARDOUS MATERIALS TABLE

| Sym-bols (1) | Hazardous materials descrip-tions and proper shipping names (2) | Hazard class or Di- vision (3) | Identifica- tion Num- bers (4) | PG (5) | Label Codes (6) | Special provisions (§172.102) (7) | (8) Packaging (§173.***) | | | (9) Quantity limitations | | (10) Vessel stow- age | |
|-----------------|--|--------------------------------------|---|-----------|-----------------------|--|-----------------------------|----------------------|--------------|------------------------------------|----------------------------------|-----------------------------|----------------|
| | | | | | | | Excep- tions (8A) | Non- bulk (8B) | Bulk (8C) | Passenger aircraft/rail (9A) | Cargo air- craft only (9B) | Loca- tion (10A) | Other (10B) |
| | [Add]. | * | | * | | * | * | | * | * | | | |
| | Diagnostic specimen | 6.2 |  | ..... | ..... | A82 | 134 | 199 | None | 4 L or 4kg | 4L or 4 kg | A | 40 |
| G | Toxins, from living sources, liq- uid, n.o.s.. | 6.1 | UN3172 | I | 6.1 | 141 | None | 201 | 243 | 1 L | 30 L | B | 40 |
| | | | | II | | 141 | None | 202 | 243 | 5 L | 60 L | B | 40 |
| | | | | III | | 141 | 153 | 203 | 241 | 60 L | 220L | A | 40 |
| G | Toxins, from living sources, solid, n.o.s.. | 6.1 | UN3172 | I | 6.1 | 141 | None | 211 | 243 | 5 kg | 50 kg | B | 40 |
| | | | | II | | 141 | None | 212 | 243 | 25 kg | 100 kg | B | 40 |
| | | | | III | | 141 | 153 | 213 | 241 | 100 kg | 200 kg | A | 40 |
| | [Revise]. | * | | * | | * | * | | * | * | | | |
| G | Infectious substances, affecting animals <i>only</i> . | 6.2 | UN2900 | ..... | 6.2 | A81, A82 | 134 | 196 | None | 50 mL or 50 g | 4 L or 4 kg | B | 40 |
| G | Infectious substances, affecting humans. | 6.2 | UN2814 | ..... | 6.2 | A81, A82 | 134 | 196 | None | 50 mL or 50 g | 4 L or 4 kg | B | 40 |
| | Regulated medical waste | 6.2 | UN3291 | II | 6.2 | A13 | 134, 197, * | 197 | 197 | No Limit | No Limit | A | 40 |
| | | * | | * | | * | * | | * | * | | | |

Research and Special Programs Admin., DOT

§ 172.101

§ 172.101

49 CFR Ch. I (10–1–02 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) |
|-------------------------------|---|
| Acenaphthene | 100 (45.4) |
| Acenaphthylene | 5000 (2270) |
| Acetaldehyde | 1000 (454) |
| Acetaldehyde, chloro | 1000 (454) |
| Acetaldehyde, trichloro | 5000 (2270) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|------------------------------------|---|
| Acetamide | 100 (45.4) |
| Acetamide, N-(aminothioxomethyl)- | 1000 (454) |
| Acetamide, N-(4-ethoxyphenyl)- | 100 (45.4) |
| Acetamide, N-fluoren-2-yl- | 1 (0.454) |
| Acetamide, 2-fluoro- | 100 (45.4) |
| Acetic acid | 5000 (2270) |
| Acetic acid (2,4-dichlorophenoxy)- | 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(I+) salt | 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 | 1 (0.454) |
| Acrolein | 1(0.454) |
| Acrylamide | 5000 (2270) |
| Acrylic acid | 5000 (2270) |
| Acrylonitrile | 100 (45.4) |
| Adipic acid | 5000 (2270) |
| AldicarbD1 (0.454). | |
| 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) |
| Antimony ♂ | 5000 (2270) |
| Antimony pentachloride | 1000 (454) |
| Antimony potassium tartrate | 100 (45.4) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| 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) |
| Arsenic ⅈ | 1 (0.454) |
| Arsenic acid | 1 (0.454) |
| Arsenic acid H3AsO4 | 1 (0.454) |
| Arsenic disulfide | 1 (0.454) |
| Arsenic oxide As2O3 | 1 (0.454) |
| Arsenic oxide As2O5 | 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 ⅈⅈ | 1 (0.454) |
| Auramine100 (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-[[[(aminocarbonyloxy) methyl]-1,1a,2,8,8a, 8b-hexahydro-8a-methoxy-5-methyl-, [1aS-[aalpha,8beta,8aalpha,8balpha]]- | 10 (4.54) |
| Barium cyanide | 10 (4.54) |
| Benz[j]aceanthrylene, 1,2-dihydro-3-methyl- | 10 (4.54) |
| Benz[c]acridine | 100 (45.4) |
| 3,4-Benzacridine | 100 (45.4) |
| Benzal chloride | 5000 (2270) |
| Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl) | 5000 (2270) |
| Benz[a]anthracene | 10 (4.54) |
| 1,2-Benzanthracene | 10 (4.54) |
| Benz[a]anthracene, 7,12-dimethyl- | 1 (0.454) |
| Benzenamine | 5000 (2270) |
| Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl- | 100 (45.4) |
| Benzenamine, 4-chloro- | 1000 (454) |
| Benzenamine, 4-chloro-2-methyl-, hydrochloride | 100 (45.4) |
| Benzenamine, N,N-dimethyl-4-(phenylazo)- | 10 (4.54) |
| Benzenamine, 2-methyl- | 100 (45.4) |
| Benzenamine, 4-methyl- | 100 (45.4) |
| Benzenamine, 4,4'-methylenebis(2-chloro- | 10 (4.54) |
| Benzenamine, 2-methyl-, hydrochloride | 100 (45.4) |
| Benzenamine, 2-methyl-5-nitro- | 100 (45.4) |
| Benzenamine, 4-nitro- | 5000 (2270) |
| Benzene | 10 (4.54) |
| Benzene, 1-bromo-4-phenoxy- | 100 (45.4) |
| Benzene, chloro- | 100 (45.4) |
| Benzene, chloromethyl- | 100 (45.4) |
| 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) |
| Benzene, m-dimethyl- | 1000 (454) |
| Benzene, o-dimethyl- | 1000 (454) |
| Benzene, p-dimethyl- | 100 (45.4) |
| Benzene, hexachloro- | 10 (4.54) |
| Benzene, hexahydro- | 1000 (454) |
| Benzene, hydroxy- | 1000 (454) |
| Benzene, methyl- | 1000 (454) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|---|---|
| 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) |
| Benzene, 1,2,4,5-tetrachloro | 5000 (2270) |
| 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) |
| Benzenoacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester | 10 (4.54) |
| Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]- | 10 (4.54) |
| 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) |
| 1,3-Benzenediol | 5000 (2270) |
| 1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]- | 1000 (454) |
| Benzenoethanamine, alpha,alpha-dimethyl | 5000 (2270) |
| Benzenesulfonic acid chloride | 100 (45.4) |
| Benzenesulfonyl chloride | 100 (45.4) |
| Benzenethiol | 100 (45.4) |
| Benzidine | 1 (0.454) |
| 1,2-Benzisothiazol-3(2H)-one,1,1-dioxide | 100 (45.4) |
| Benzo[a]anthracene | 10 (4.54) |
| 1,3-Benzodioxole, 5-(2-propenyl)- | 100 (45.4) |
| 1,3-Benzodioxole, 5-(1-propenyl)- | 100 (45.4) |
| 1,3-Benzodioxole, 5-propyl- | 10 (4.54) |
| Benzo[b]fluoranthene | 1 (0.454) |
| Benzo[k]fluoranthene | 5000 (2270) |
| Benzo[j,k]fluorene | 100 (45.4) |
| Benzoic acid | 5000 (2270) |
| Benzonitrile | 5000 (2270) |
| Benzo[g,h,i]perylene | 5000 (2270) |
| 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3% | 100 (45.4) |
| Benzo[a]pyrene | 1 (0.454) |
| 3,4-Benzopyrene | 1 (0.454) |
| p-Benzoquinone | 10 (4.54) |
| Benzo [rst]pentaphene | 10 (4.54) |
| Benzotrichloride | 10 (4.54) |
| Benzoyl chloride | 1000 (454) |
| 1,2-Benzphenanthrene | 100 (45.4) |
| Benzyl chloride | 100 (45.4) |
| Beryllium ⅉ | 10 (4.54) |
| Beryllium chloride | 1 (0.454) |
| Beryllium dust ⅉ | 10 (4.54) |
| Beryllium fluoride | 1 (0.454) |
| Beryllium nitrate | 1 (0.454) |
| 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- | 10 (4.54) |
| (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(2-ethylhexyl)phthalate | 100 (45.4) |
| Bromoacetone | 1000 (454) |
| Bromoform | 100 (45.4) |
| 4-Bromophenyl phenyl ether | 100 (45.4) |
| Brucine | 100 (45.4) |
| 1,3-Butadiene | 10 (4.54) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|---|---|
| 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-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*, 3R*), 7alpha]]- | 10 (4.54) |
| Butyl acetate | 5000 (2270) |
| iso-Butyl acetate | |
| sec-Butyl acetate | |
| tert-Butyl acetate | |
| n-Butyl alcohol | 5000 (2270) |
| Butylamine | 1000 (454) |
| iso-Butylamine | |
| sec-Butylamine | |
| tert-Butylamine | |
| Butyl benzyl phthalate | 100 (45.4) |
| n-Butyl phthalate | 10 (4.54) |
| Butyric acid | 5000 (2270) |
| iso-Butyric acid | |
| Cacodylic acid | 1 (0.454) |
| Cadmium ϵ | 10 (4.54) |
| Cadmium acetate | 10 (4.54) |
| Cadmium bromide | 10 (4.54) |
| Cadmium chloride | 10 (4.54) |
| Calcium arsenate | 1 (0.454) |
| Calcium arsenite | 1 (0.454) |
| Calcium carbide | 10 (4.54) |
| Calcium chromate | 10 (4.54) |
| Calcium cyanamide | 1000 (454) |
| Calcium cyanide | 10 (4.54) |
| Calcium cyanide Ca(CN) ₂ | 10 (4.54) |
| Calcium dodecylbenzene sulfonate | 1000 (454) |
| Calcium hypochlorite | 10 (4.54) |
| Camphene, octachloro- | 1 (0.454) |
| Captan | 10 (4.54) |
| Carbamic acid, ethyl ester | 100 (45.4) |
| Carbamic acid, methylnitroso-, ethyl ester | 1 (0.454) |
| Carbamic chloride, dimethyl- | 1 (0.454) |
| Carbamide, thio- | 10 (4.54) |
| Carbamimidoseleonic acid | 1000 (454) |
| Carbamothioic acid, bis (1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester | 100 (45.4) |
| Carbaryl | 100 (45.4) |
| Carbofuran | 10 (4.54) |
| Carbon bisulfide | 100 (45.4) |
| Carbon disulfide | 100 (45.4) |
| Carbonic acid, dithallium (I+) | 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) |
| Carbonyl sulfide | 100 (45.4) |
| 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 | 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) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| Chlorobenzilate | 10 (4.54) |
| 4-Chloro-m-cresol | 5000 (2270) |
| p-Chloro-m-cresol | 5000 (2270) |
| Chlorodibromomethane | 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 H2CrO4, calcium salt | 10 (4.54) |
| Chromic sulfate | 1000 (454) |
| Chromium ⅈ | 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 ⅈ | 5000 (2270) |
| Copper chloride @ | 10 (4.54) |
| Copper cyanide | 10 (4.54) |
| Copper cyanide CuCN | 10 (4.54) |
| Coumaphos | 10 (4.54) |
| Creosote | 1 (0.454) |
| Cresols (isomers and mixture) | 100 (45.4) |
| m-Cresol | 100 (45.4) |
| o-Cresol | 100 (45.4) |
| p-Cresol | 100 (45.4) |
| Cresylic acid (isomers and mixture) | 100 (45.4) |
| m-Cresylic acid | 100 (45.4) |
| o-Cresylic acid | 100 (45.4) |
| p-Cresylic acid | 100 (45.4) |
| Crotonaldehyde | 100 (45.4) |
| Cumene | 5000 (2270) |
| 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) |
| Cyanides (soluble salts and complexes) not otherwise specified | 10 (4.54) |
| Cyanogen | 100 (45.4) |
| Cyanogen bromide | 1000 (454) |
| Cyanogen bromide (CN)Br | 1000 (454) |
| Cyanogen chloride | 10 (4.54) |
| 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-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)- | 1 (0.454) |
| Cyclohexanone | 5000 (2270) |
| 2-Cyclohexyl-4,6-dinitrophenol | 100 (45.4) |
| 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro- | 10 (4.54) |
| Cyclophosphamide | 10 (4.54) |
| 2,4-D Acid | 100 (45.4) |
| 2,4-D Ester | 100 (45.4) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|---|---|
| Daunomycin | 10 (4.54) |
| DDD | 1 (0.454) |
| 4,4'-DDD | 1 (0.454) |
| DDE | 1 (0.454) |
| 4,4'-DDE | 1 (0.454) |
| DDT | 1 (0.454) |
| 4,4'-DDT | 1 (0.454) |
| Diallate | 100 (45.4) |
| Diamine | 1 (0.454) |
| 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) |
| Dibenz[a,i]pyrene | 10 (4.54) |
| 1,2-Dibromo-3-chloropropane | 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) |
| Dichloromethoxy ethane | 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) |
| 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 | 1000 (454) |
| N,N-diethylaniline | 1000 (454) |
| Diethylarsine | 1 (0.454) |
| 1,4-Diethylenedioxiide | 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) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|---|---|
| Diethyl sulfate | 10 (4.54) |
| Dihydrosofrole | 10 (4.54) |
| Diisopropyl fluorophosphate | 100 (45.4) |
| 1,4,5,8-Dimethanonaphthalene | |
| 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro, (1alpha,4alpha,4abeta,5abeta,8beta,8abeta)- | 1 (0.454) |
| 1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- | 1 (0.454) |
| 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1alpha,2beta,2abeta,3alpha,6alpha,6abeta,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-, (1alpha,2beta,2alpha,3beta,6beta,6alpha,7beta,7aalpha)- | 1 (0.454) |
| Dimethoate | 10 (4.54) |
| 3,3'-Dimethoxybenzidine | 10 (4.54) |
| Dimethylamine | 1000 (454) |
| p-Dimethylaminoazobenzene | 10 (4.54) |
| N,N-dimethylaniline | 100 (45.4) |
| 7,12-Dimethylbenz[<i>a</i>]anthracene | 1 (0.454) |
| 3,3'-Dimethylbenzidine | 10 (4.54) |
| alpha, alpha-Dimethylbenzylhydroperoxide | 10 (4.54) |
| Dimethylcarbonyl 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) |
| 12,4-Dimethylphenol | 100 (45.4) |
| Dimethyl phthalate | 5000 (2270) |
| Dimethyl sulfate | 100 (45.4) |
| 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 | |
| 2,4-Dinitrophenol | 10 (4.54) |
| Dinitrotoluene | 10 (4.54) |
| 3,4-Dinitrotoluene | |
| 2,4-Dinitrotoluene | 10 (4.54) |
| 2,6-Dinitrotoluene | 100 (45.4) |
| Dimoseb | 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) |
| Disulfoton | 1 (0.454) |
| Dithiobiuret | 100 (45.4) |
| Diuron | 100 (45.4) |
| Dodecylbenzenesulfonic acid | 1000 (454) |
| 2,4-D, salts and esters | 100 (45.4) |
| 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, & metabolites | 1 (0.454) |
| Endrin aldehyde | 1 (0.454) |
| Epichlorohydrin | 100 (45.4) |
| Epinephrine | 1000 (454) |
| 1,2-Epoxybutane | 100 (45.4) |
| Ethanal | 1000 (454) |
| Ethanamine, N-ethyl-N-nitroso- | 1 (0.454) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilo-grams) |
|---|---|
| Ethane, 1,2-dibromo- | 1 (0.454) |
| Ethane, 1,1-dichloro- | 1000 (454) |
| Ethane, 1,2-dichloro- | 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) |
| Ethane, 1,1,2-trichloro- | 100 (45.4) |
| Ethane, 1,1,1-trichloro- | 1000 (454) |
| 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienyl-methyl)- | 5000 (2270) |
| Ethanedinitrile | 100 (45.4) |
| Ethanenitrile | 5000 (2270) |
| Ethanethioamide | 10 (4.54) |
| Ethanimidiothioic acid, N-[[[(methylamino)carbonyl] oxy]-, methyl ester | 100 (45.4) |
| Ethanol, 2-ethoxy- | 1000 (454) |
| Ethanol, 2,2'-(nitrosoimino)bis- | 1 (0.454) |
| Ethanone, 1-phenyl- | 5000 (2270) |
| Ethanoyl chloride | 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 (Urethan) | 100 (45.4) |
| Ethyl chloride @ | 100 (45.4) |
| Ethyl cyanide | 10 (4.54) |
| 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) |
| Ethylenebisdithiocarbamic acid | 5000 (2270) |
| Ethylenebisdithiocarbamic acid, salts and esters | 5000 (2270) |
| Ethylenediamine | 5000 (2270) |
| Ethylenediamine tetraacetic acid (EDTA) | 5000 (2270) |
| 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) |
| Famphurdimethylester | 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) |
| Formic acid | 5000 (2270) |
| Fulminic acid, mercury(2+)/salt | 10 (4.54) |
| Fumaric acid | 5000 (2270) |
| Furan | 100 (45.4) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| Furan, tetrahydro- | 1000 (454) |
| 2-Furancarboxaldehyde | 5000 (2270) |
| 2,5-Furandione | 5000 (2270) |
| Furfural | 5000 (2270) |
| Furfuran | 100 (45.4) |
| Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)- | 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) |
| Hexachlorocyclohexane (gamma isomer) | 1 (0.454) |
| Hexachlorocyclopentadiene | 10 (4.54) |
| Hexachloroethane | 100 (45.4) |
| 1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene | 1 (0.454) |
| 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) |
| Hydrazine | 1 (0.454) |
| 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) |
| Hydrazinecarbothioamide | 100 (45.4) |
| 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 | 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) |
| 1,3-Isobenzofurandione | 5000 (2270) |
| Isobutyl alcohol | 5000 (2270) |
| Isodrin | 1 (0.454) |
| Isophorone | 5000 (2270) |
| Isoprene | 100 (45.4) |
| Isopropanolamine dodecylbenzene sulfonate | 1000 (454) |
| Isosafrole | 100 (45.4) |
| 3(2H)-Isoxazolone, 5-(aminomethyl)- | 1000 (454) |
| Keponedecachloroc-tahydro- | 1 (0.454) |
| Lasiocarpine | 10 (4.54) |
| Lead ϕ | 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) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilo-grams) |
|---|---|
| Lithium chromate | 10 (4.54) |
| Malathion | 100 (45.4) |
| Maleic acid | 5000 (2270) |
| Maleic anhydride | 5000 (2270) |
| Maleic hydrazide | 5000 (2270) |
| Malononitrile | 1000 (454) |
| MDI | 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) |
| Methane, tetrachloro- | 10 (4.54) |
| Methane, tetranitro- | 10 (4.54) |
| Methane, tribromo- | 100 (45.4) |
| Methane, trichloro- | 10 (4.54) |
| Methane, trichlorofluoro- | 5000 (2270) |
| Methanesulfonyl chloride, trichloro- | 100 (45.4) |
| Methanesulfonic acid, ethyl ester | 1 (0.454) |
| Methanethiol | 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) |
| Methanoic acid | 5000 (2270) |
| 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-a,4,7,7a-tetrahydro- | 1 (0.454) |
| 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro- | 1 (0.454) |
| Methanol | 5000 (2270) |
| Methapyrilene | 5000 (2270) |
| 1,3,4-Metheno-2H-cyclobutal[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro- | 1 (0.454) |
| Methomyl | 100 (45.4) |
| Methoxychlor | 1 (0.454) |
| Methyl alcohol | 5000 (2270) |
| Methylamine @ | 100 (45.4) |
| 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) |
| Methylchloromethyl ether @ | 1 (0.454) |
| 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) |
| Methylene oxide | 100 (45.4) |
| Methyl ethyl ketone (MEK) | 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) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| 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) |
| Mevinphos | 10 (4.54) |
| Mexacarbate | 1000 (454) |
| Mitomycin C | 10 (4.54) |
| MNNG | 10 (4.54) |
| Monoethylamine | 100 (45.4) |
| Monomethylamine | 100 (45.4) |
| Muscimol | 1000 (454) |
| 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) |
| 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) |
| Naphthenic acid | 100 (45.4) |
| 1,4-Naphthoquinone | 5000 (2270) |
| alpha-Naphthylamine | 100 (45.4) |
| beta-Naphthylamine | 1 (0.454) |
| 1-Naphthylamine | 100 (45.4) |
| 2-Naphthylamine | 1 (0.454) |
| alpha-Naphthylthiourea | 100 (45.4) |
| Nickel ⚗ | 100 (45.4) |
| Nickel ammonium sulfate | 100 (45.4) |
| Nickel carbonyl | 10 (4.54) |
| Nickel carbonyl Ni(CO)4,(T-4)- | 10 (4.54) |
| Nickel chloride | 100 (45.4) |
| Nickel cyanide | 10 (4.54) |
| Nickel cyanide Ni(CN)2 | 10 (4.54) |
| Nickel hydroxide | 10 (4.54) |
| Nickel nitrate | 100 (45.4) |
| Nickel sulfate | 100 (45.4) |
| Nicotine and salts | 100 (45.4) |
| Nitric acid | 1000 (454) |
| Nitric acid, thallium(1+) salt | 100 (45.4) |
| 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 NO2 | 10 (4.54) |
| Nitroglycerine | 10 (4.54) |
| Nitrophenol (mixed) | 100 (45.4) |
| m- | |
| o- | |
| p- | |
| 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) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilo-grams) |
|---|---|
| Nitrotoluene | 1000 (454) |
| m-Nitrotoluene ..... | ..... |
| o-Nitrotoluene ..... | ..... |
| p-Nitrotoluene ..... | ..... |
| 5-Nitro-o-toluidine | 100 (45.4) |
| Octamethylpyrophosphoramide | 100 (45.4) |
| Osmium oxide OsO ₄ (T-4) | 1000 (454) |
| Osmium tetroxide | 1000 (454) |
| 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid | 1000 (454) |
| 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) |
| Pentachlorobenzene | 10 (4.54) |
| Pentachloroethane | 10 (4.54) |
| Pentachloronitrobenzene (PCNB) | 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, 2,4-dinitro- | 10 (4.54) |
| Phenol, methyl- | 100 (45.4) |
| Phenol, 2-methyl-4,6-dinitro- | 10 (4.54) |
| Phenol, 2,2'-methylenebis[3,4,6-trichloro- | 100 (45.4) |
| 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) |
| 1,10-(1,2-Phenylene)pyrene | 100 (45.4) |
| Phenyl mercaptan @ | 100 (45.4) |
| Phenylmercuric acetate | 100 (45.4) |
| Phenylthiourea | 100 (45.4) |
| Phorate | 10 (4.54) |
| Phosgene | 10 (4.54) |
| Phosphine | 100 (45.4) |
| Phosphoric acid | 5000 (2270) |
| Phosphoric acid, diethyl 4-nitrophenyl ester | 100 (45.4) |
| Phosphoric acid, lead(2+) salt (2:3) | 10 (4.54) |
| Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester | 1 (0.454) |
| Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester | 10 (4.54) |
| Phosphorodithioic acid, O,O-diethyl S-methyl ester | 5000 (2270) |
| Phosphorodithioic acid, O,O-dimethyl S-[2 (methylamino)-2-oxoethyl] ester | 10 (4.54) |
| Phosphorofluoric acid, bis(1-methylethyl) ester | 100 (45.4) |
| Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester | 10 (4.54) |
| Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester | 100 (45.4) |
| Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester | 100 (45.4) |
| Phosphorothioic acid, O,[4-[(dimethylamino)sulfonyl] phenyl] O,O-dimethyl ester | 1000 (454) |
| Phosphorus | 1 (0.454) |
| Phosphorus oxychloride | 1000 (454) |
| Phosphorus pentasulfide | 100 (45.4) |
| Phosphorus sulfide | 100 (45.4) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| Phosphorus trichloride | 1000 (454) |
| Phthalic anhydride | 5000 (2270) |
| 2-Picoline | 5000 (2270) |
| Piperidine, 1-nitroso- | 10 (4.54) |
| Plumbane, tetraethyl- | 10 (4.54) |
| POLYCHLORINATED BIPHENYLS (PCBs) | 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 | 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) |
| Pronamide | 5000 (2270) |
| Propanal, 2-methyl-2-(methylthio)-O-[(methylamino)carbonyl]oxime | 1 (0.454) |
| 1-Propanamine | 5000 (2270) |
| 1-Propanamine, N-nitroso-N-propyl- | 10 (4.54) |
| 1-Propanamine, N-propyl- | 5000 (2270) |
| Propane, 1,2-dibromo-3-chloro- | 1 (0.454) |
| Propane, 1,2-dichloro- | 1000 (454) |
| Propane, 2-nitro- | 10 (4.54) |
| Propane, 2,2'-oxybis [2-chloro- | 1000 (454) |
| 1,3-Propane sultone | 10 (4.54) |
| Propanedinitrile | 1000 (454) |
| Propanenitrile | 10 (4.54) |
| Propanenitrile, 3-chloro- | 1000 (454) |
| Propanenitrile, 2-hydroxy-2-methyl- | 10 (4.54) |
| 1,2,3-Propanetriol, trinitrate- | 10 (4.54) |
| 1-Propanol, 2,3-dibromo-, phosphate (3:1) | 10 (4.54) |
| 1-Propanol, 2-methyl- | 5000 (2270) |
| 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) |
| beta-Propioaldehyde | 1000 (454) |
| Propionic acid | 5000 (2270) |
| Propionic acid, 2-(2,4,5-trichlorophenoxy)- | 100 (45.4) |
| 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) |
| 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) | 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) |
| Quinoline | 5000 (2270) |
| RADIONUCLIDES | See table 2 |
| Reserpine | 5000 (2270) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| Resorcinol | 5000 (2270) |
| Saccharin and salts | 100 (45.4) |
| Safrole | 100 (45.4) |
| Selenious acid | 10 (4.54) |
| Selenious acid, dithallium(1+) salt | 1000 (454) |
| Selenium ç | 100 (45.4) |
| Selenium dioxide | 10 (4.54) |
| Selenium oxide | 10 (4.54) |
| Selenium sulfide | 10 (4.54) |
| Selenium sulfide SeS2 | 10 (4.54) |
| Selenourea | 1000 (454) |
| L-Serine, diazoacetate (ester) | 1 (0.454) |
| Silver ç | 1000 (454) |
| Silver cyanide | 1 (0.454) |
| 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 | 10 (4.54) |
| Sodium cyanide Na(CN) | 10 (4.54) |
| Sodium dodecylbenzene sulfonate | 1000 (454) |
| Sodium fluoride | 1000 (454) |
| Sodium hydrosulfide | 5000 (2270) |
| Sodium hydroxide | 1000 (454) |
| 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 | 10 (4.54) |
| Strychnidin-10-one, 2,3-dimethoxy- | 100 (45.4) |
| Strychnine and salts | 10 (4.54) |
| Styrene | 1000 (454) |
| Styrene oxide | 100 (45.4) |
| Sulfur chloride @ | 1000 (454) |
| Sulfur monochloride | 1000 (454) |
| Sulfur phosphide | 100 (45.4) |
| Sulfuric acid | 1000 (454) |
| Sulfuric acid, dimethyl ester | 100 (45.4) |
| Sulfuric acid, dithallium(1+) salt | 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) |
| TDE | 1 (0.454) |
| 1,2,4,5-Tetrachlorobenzene | 5000 (2270) |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | 1 (0.454) |
| 1,1,1,2-Tetrachloroethane | 100 (45.4) |
| 1,1,2,2-Tetrachloroethane | 100 (45.4) |
| Tetrachloroethane @ | 100 (45.4) |
| Tetrachloroethene | 100 (45.4) |
| Tetrachloroethylene | 100 (45.4) |
| 2,3,4,6-Tetrachlorophenol | 10 (4.54) |
| Tetraethyl lead | 10 (4.54) |
| Tetraethyl pyrophosphate | 10 (4.54) |
| Tetraethylthiopyrophosphate | 100 (45.4) |
| Tetrahydrofuran | 1000 (454) |
| Tetranitromethane | 10 (4.54) |
| Tetraphosphoric acid, hexaethyl ester | 100 (45.4) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| Thallic oxide | 100 (45.4) |
| Thallium ϕ | 1000 (454) |
| Thallium(I) acetate | 100 (45.4) |
| Thallium(I) carbonate | 100 (45.4) |
| Thallium(I) chloride | 100 (45.4) |
| Thallium chloride TICl | 100 (45.4) |
| Thallium(I) nitrate | 100 (45.4) |
| Thallium oxide T1203 | 100 (45.4) |
| Thallium selenite | 1000 (454) |
| Thallium(I) sulfate | 100 (45.4) |
| Thioacetamide | 10 (4.54) |
| 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) |
| 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) |
| Titanium tetrachloride | 1000 (454) |
| Toluene | 1000 (454) |
| Toluenediamine | 10 (4.54) |
| Toluene diisocyanate | 100 (45.4) |
| o-Toluidine | 100 (45.4) |
| 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 acid esters | 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) |
| Trichloroethene | 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 | ..... |
| 2,4,5-Trichlorophenol | ..... |
| 2,4,6-Trichlorophenol | ..... |
| 3,4,5-Trichlorophenol | ..... |
| 2,4,5-Trichlorophenol | 10 (4.54) |
| 2,4,6-Trichlorophenol | 10 (4.54) |
| Triethanolamine dodecylbenzene sulfonate | 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) |
| Uracil mustard | 10 (4.54) |
| Uranyl acetate | 100 (45.4) |
| Uranyl nitrate | 100 (45.4) |
| Urea, N-ethyl-N-nitroso- | 1 (0.454) |
| Urea, N-methyl-N-nitroso- | 1 (0.454) |
| 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) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|---|---|
| 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, when present at concentrations greater than 0.3% | 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 ¢ | 1000 (454) |
| Zinc acetate | 1000 (454) |
| Zinc ammonium chloride | 1000 (454) |
| Zinc borate | 1000 (454) |
| Zinc bromide | 1000 (454) |
| Zinc carbonate | 1000 (454) |
| Zinc chloride | 1000 (454) |
| Zinc cyanide | 10 (4.54) |
| 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 | 100 (45.4) |
| Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10% | 100 (45.4) |
| Zinc silicofluoride | 5000 (2270) |
| Zinc sulfate | 1000 (454) |
| Zirconium nitrate | 5000 (2270) |
| Zirconium potassium fluoride | 1000 (454) |
| Zirconium sulfate | 5000 (2270) |
| Zirconium tetrachloride | 5000 (2270) |
| D001 Unlisted Hazardous Wastes Characteristic of Ignitability | 100 (45.4) |
| D002 Unlisted Hazardous Wastes Characteristic of Corrosivity | 100 (45.4) |
| D003 Unlisted Hazardous Wastes Characteristic of Reactivity | 100 (45.4) |
| D004-D043 Unlisted Hazardous Wastes Characteristic of Toxicity | |
| D004 Arsenic | 1 (0.454) |
| D005 Barium | 1000 (454) |
| D006 Cadmium | 10 (4.54) |
| D007 Chromium | 10 (4.54) |
| D008 Lead | 10 (4.54) |
| D009 Mercury | 1 (0.454) |
| D010 Selenium | 10 (4.54) |
| D011 Silver | 1 (0.454) |
| D012 Endrin | 1 (0.454) |
| D013 Lindane | 1 (0.454) |
| D014 Methoxychlor | 1 (0.454) |
| D015 Toxaphene | 1 (0.454) |
| D016 2,4-D | 100 (45.4) |
| D017 2,4,5-TP | 100 (45.4) |
| D018 Benzene | 10 (4.54) |
| D019 Carbon tetrachloride | 10 (4.54) |
| D020 Chlordane | 1 (0.454) |
| D021 Chlorobenzene | 100 (45.4) |
| D022 Chloroform | 10 (4.54) |
| D023 o-Cresol | 100 (45.4) |
| D024 m-Cresol | 100 (45.4) |
| D025 p-Cresol | 100 (45.4) |
| D026 Cresol | 100 (45.4) |
| D027 1,4-Dichlorobenzene | 100 (45.4) |
| D028 1,2-Dichloroethane | 100 (45.4) |
| D029 1,1-Dichloroethylene | 100 (45.4) |
| D030 2,4-Dinitrotoluene | 10 (4.54) |
| D031 Heptachlor (and hydroxide) | 1 (0.454) |
| D032 Hexachlorobenzene | 10 (4.54) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilo-grams) |
|---|---|
| D033 Hexachlorobutadiene | 1 (0.454) |
| D034 Hexachloroethane | 100 (45.4) |
| D035 Methyl ethyl ketone | 5000 (2270) |
| D036 Nitrobenzene | 1000 (454) |
| D037 Pentachlorophenol | 10 (4.54) |
| D038 Pyridine | 1000 (454) |
| D039 Tetrachloroethylene | 100 (45.4) |
| D040 Trichloroethylene | 100 (45.4) |
| D041 2,4,5-Trichlorophenol | 10 (4.54) |
| D042 2,4,6-Trichlorophenol | 10 (4.54) |
| D043 Vinyl chloride | 1 (0.454) |
| F001 | |
| The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those solvents listed in F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures | 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 | |
| The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those listed in F001, F004, F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. | 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 | |
| The following spent non-halogenated solvents and solvents: | 100 (45.4) |
| (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) |
| The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents: | |
| (a) Cresols/Cresylic acid | 1000 (454) |
| (b) Nitrobenzene | 100 (45.4) |
| F005 | |
| The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents: | 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 | |
| Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbonsteel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum | 10 (4.54) |
| F007 | |
| Spent cyanide plating bath solutions from electroplating operations | 10 (4.54) |
| F008 | |
| Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process | 10 (4.54) |
| F009 | |
| Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process | 10 (4.54) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| F010 Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process | 10 (4.54) |
| F011 Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning) | 10 (4.54) |
| F012 Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process | 10 (4.54) |
| F019 Wastewater treatment sludges from the chemical conversion coating of aluminum—except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process | 10 (4.54) |
| F020 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.) | 1 (0.454) |
| F021 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives. | 1 (0.454) |
| F022 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions. | 1 (0.454) |
| F023 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.) | 1 (0.454) |
| F024 Wastes, including but not limited to distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatic hydrocarbons, having carbon content from one to five, utilizing free radical catalyzed processes. (This listing does not include light ends, spent filters and filter aids, spent desiccants(sic), wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.32.) | 1 (0.454) |
| F025 Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution | 1 (0.454) |
| F026 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions. | 1 (0.454) |
| F027 Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.) | 1 (0.454) |
| F028 Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027. | 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) |
| Multi source leachate | 1 (0.454) |
| K001 Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol | 1 (0.454) |
| K002 Wastewater treatment sludge from the production of chrome yellow and orange pigments | 10 (4.54) |
| K003 Wastewater treatment sludge from the production of molybdate orange pigments | 10 (4.54) |
| K004 Wastewater treatment sludge from the production of zinc yellow pigments | 10 (4.54) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|---|---|
| K005 Wastewater treatment sludge from the production of chrome green pigments | 10 (4.54) |
| K006 Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated) | 10 (4.54) |
| K007 Wastewater treatment sludge from the production of iron blue pigments | 10 (4.54) |
| K008 Oven residue from the production of chrome oxide green pigments | 10 (4.54) |
| K009 Distillation bottoms from the production of acetaldehyde from ethylene | 10 (4.54) |
| K010 Distillation side cuts from the production of acetaldehyde from ethylene | 10 (4.54) |
| K011 Bottom stream from the wastewater stripper in the production of acrylonitrile | 10 (4.54) |
| K013 Bottom stream from the acetonitrile column in the production of acrylonitrile | 10 (4.54) |
| K014 Bottoms from the acetonitrile purification column in the production of acrylonitrile | 5000 (2270) |
| K015 Still bottoms from the distillation of benzyl chloride | 10 (4.54) |
| K016 Heavy ends or distillation residues from the production of carbon tetrachloride | 1 (0.454) |
| K017 Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin | 10 (4.54) |
| K018 Heavy ends from the fractionation column in ethyl chloride production | 1 (0.454) |
| K019 Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production | 1 (0.454) |
| K020 Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production | 1 (0.454) |
| K021 Aqueous spent antimony catalyst waste from fluoromethanes production | 10 (4.54) |
| K022 Distillation bottom tars from the production of phenol/acetone from cumene | 1 (0.454) |
| K023 Distillation light ends from the production of phthalic anhydride from naphthalene | 5000 (2270) |
| K024 Distillation bottoms from the production of phthalic anhydride from naphthalene | 5000 (2270) |
| K025 Distillation bottoms from the production of nitrobenzene by the nitration of benzene | 10 (4.54) |
| K026 Stripping still tails from the production of methyl ethyl pyridines | 1000 (454) |
| K027 Centrifuge and distillation residues from toluene diisocyanate production | 10 (4.54) |
| K028 Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane | 1 (0.454) |
| K029 Waste from the product steam stripper in the production of 1,1,1-trichloroethane | 1 (0.454) |
| K030 Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene | 1 (0.454) |
| K031 By-product salts generated in the production of MSMA and cacodylic acid | 1 (0.454) |
| K032 Wastewater treatment sludge from the production of chlordane | 10 (4.54) |
| K033 Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane | 10 (4.54) |
| K034 Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane | 10 (4.54) |
| K035 Wastewater treatment sludges generated in the production of creosote | 1 (0.454) |
| K036 Still bottoms from toluene reclamation distillation in the production of disulfoton | 1 (0.454) |
| K037 Wastewater treatment sludges from the production of disulfoton | 1 (0.454) |
| K038 Wastewater from the washing and stripping of phorate production | 10 (4.54) |
| K039 Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate | 10 (4.54) |
| K040 Wastewater treatment sludge from the production of phorate | 10 (4.54) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| K041 Wastewater treatment sludge from the production of toxaphene | 1 (0.454) |
| K042 Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T | 10 (4.54) |
| K043 2,6-dichlorophenol waste from the production of 2,4-D | 10 (4.54) |
| K044 Wastewater treatment sludges from the manufacturing and processing of explosives | 10 (4.54) |
| K045 Spent carbon from the treatment of wastewater containing explosives | 10 (4.54) |
| K046 Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds | 10 (4.54) |
| K047 Pink/red water from TNT operations | 10 (4.54) |
| K048 Dissolved air flotation (DAF) float from the petroleum refining industry | 10 (4.54) |
| K049 Slop oil emulsion solids from the petroleum refining industry | 10 (4.54) |
| K050 Heat exchanger bundle cleaning sludge from the petroleum refining industry | 10 (4.54) |
| K051 API separator sludge from the petroleum refining industry | 10 (4.54) |
| K052 Tank bottoms (leaded) from the petroleum refining industry | 10 (4.54) |
| K060 Ammonia still lime sludge from coking operations | 1 (0.454) |
| K061 Emission control dust/sludge from the primary production of steel in electric furnaces | 10 (4.54) |
| K062 Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry | 10 (4.54) |
| K064 Acid plant blowdown slurry/sludge resulting from thickening of blowdown slurry from primary copper production. | 10 (4.54) |
| K065 Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities. | 10 (4.54) |
| K066 Sludge from treatment of process wastewater and /or acid plant blowdown from primary zinc production. | 10 (4.54) |
| K069 Emission control dust/sludge from secondary lead smelting | 10 (4.54) |
| K071 Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used | 1 (0.454) |
| K073 Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production. | 10 (4.54) |
| K083 Distillation bottoms from aniline extraction | 100 (45.4) |
| K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds | 1 (0.454) |
| K085 Distillation or fractionation column bottoms from the production of chlorobenzenes | 10 (4.54) |
| K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead | 10 (4.54) |
| K087 Decanter tank tar sludge from coking operations | 100 (45.4) |
| K088 Spent potliners from primary aluminum reduction.. | 10 (4.54) |
| K090 Emission control dust or sludge from ferrochromiumsilicon production. | 10 (4.54) |
| K091 Emission control dust or sludge from ferrochromium production. | 10 (4.54) |
| K093 Distillation light ends from the production of phthalic anhydride from ortho-xylene | 5000 (2270) |
| K094 Distillation bottoms from the production of phthalic anhydride from ortho-xylene | 5000 (2270) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| K095 Distillation bottoms from the production of 1,1,1-trichloroethane. | 100 (45.4) |
| K096 Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane. | 100 (45.4) |
| K097 Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane. | 1 (0.454) |
| K098 Untreated process wastewater from the production of toxaphene. | 1 (0.454) |
| K099 Untreated wastewater from the production of 2,4-D. | 10 (4.54) |
| K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting. | 10 (4.54) |
| K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. | 1 (0.454) |
| K102 Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds. | 1 (0.454) |
| K103 Process residues from aniline extraction from the production of aniline. | 100 (45.4) |
| K104 Combined wastewater streams generated from nitrobenzene/aniline chlorobenzenes. | 10 (4.54) |
| K105 Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes. | 10 (4.54) |
| K106 Wastewater treatment sludge from the mercury cell process in chlorine production. | 1 (0.454) |
| K107 Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines. | 10 (4.54) |
| K108 Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides. | 10 (4.54) |
| K109 Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides. | 10 (4.54) |
| K110 Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazines (UDMH) from carboxylic acid hydrazides. | 10 (4.54) |
| K111 Product washwaters from the production of dinitrotoluene via nitration of toluene. | 10 (4.54) |
| K112 Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene. | 10 (4.54) |
| K113 Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. | 10 (4.54) |
| K114 Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. | 10 (4.54) |
| K115 Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene. | 10 (4.54) |
| K116 Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine. | 10 (4.54) |
| K117 Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene. | 1 (0.454) |
| K118 Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide. | 1 (0.454) |
| K123 Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts. | 10 (4.54) |
| K124 Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts. | 10 (4.54) |
| K125 Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts. | 10 (4.54) |

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

| Hazardous substance | Reportable quantity (RQ) pounds (kilograms) |
|--|---|
| K126 Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts. | 10 (4.54) |
| K131 Waste water from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide | 100 (45.4) |
| K132 Spent absorbent and wastewater solids from the production of methyl bromide | 1000 (454) |
| K136 Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene. | 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 | 1 (0.454) |
| K157 | 1 (0.454) |
| K158 | 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 | 1 (0.454) |

Footnotes:
 c The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches)
 cç The RQ for asbestos is limited to friable forms only
 @ Indicates that the name was added by RSPA 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.

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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|-------------------------------|-------------------|---------------------------------------|
| Americium-246m | 95 | 1000 (37) |
| Antimony-115 | 51 | 1000 (37) |
| Antimony-116 | 51 | 1000 (37) |
| Antimony-116m | 51 | 100 (3.7) |
| Antimony-117 | 51 | 1000 (37) |
| 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) |

Research and Special Programs Admin., DOT

§ 172.101

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| 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) |
| 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) |

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)— Atomic Num- ber | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------------|-------------------------------|---|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)— Atomic Num- ber | (3)—Reportable Quantity (RQ) Ci (TBq) |
|-----------------------|-------------------------------|---|
| 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) |
| 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) |

Research and Special Programs Admin., DOT

§ 172.101

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|----------------------------|-------------------|---------------------------------------|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)— Atomic Num- ber | (3)—Reportable Quantity (RQ) Ci (TBq) |
|-----------------------------|-------------------------------|---|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)— Atomic Num- ber | (3)—Reportable Quantity (RQ) Ci (TBq) |
|---------------------|-------------------------------|---|
| 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) |
| 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) |

Research and Special Programs Admin., DOT

§ 172.101

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------------|-------------------|---------------------------------------|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|---------------------------------|-------------------|---------------------------------------|
| 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) |
| 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) |

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

| (1)—Radionuclide | (2)—Atomic Number | (3)—Reportable Quantity (RQ) Ci (TBq) |
|------------------|-------------------|---------------------------------------|
| 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) |
| 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 (.37) |
| Xenon-138 | 54 | 10 (.37) |
| Ytterbium-162 | 70 | 1000 (37) |
| Ytterbium-166 | 70 | 10 (.37) |
| Ytterbium-167 | 70 | 1000 (37) |
| Ytterbium-169 | 70 | 10 (.37) |
| Ytterbium-175 | 70 | 100 (3.7) |
| Ytterbium-177 | 70 | 1000 (37) |
| Ytterbium-178 | 70 | 1000 (37) |
| Yttrium-86 | 39 | 10 (.37) |
| Yttrium-86m | 39 | 1000 (37) |
| Yttrium-87 | 39 | 10 (.37) |
| Yttrium-88 | 39 | 10 (.37) |
| Yttrium-90 | 39 | 10 (.37) |
| Yttrium-90m | 39 | 100 (3.7) |
| Yttrium-91 | 39 | 10 (.37) |
| 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 (.37) |
| 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 (.37) |
| Zirconium-89 | 40 | 100 (3.7) |
| Zirconium-93 | 40 | 1 (.037) |
| Zirconium-95 | 40 | 10 (.37) |
| Zirconium-97 | 40 | 10 (.37) |

§ 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 RSPA 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.

[Amdt. 172-122, 55 FR 46798, Nov. 7, 1990]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting appendix A to §172.101, see the List of CFR Sections Affected which appears in the Finding Aids section of the printed volume and on GPO Access.

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 not listed in this appendix meets the criteria for a marine pollutant, as provided in the General Introduction of the IMDG Code, Guidelines for the Identification of Harmful Substances in Packaged Form, the material may be transported as a marine pollutant in accordance with the applicable requirements of this subchapter.

5. If approved by the Associate Administrator, a material listed in this appendix which does not meet the criteria for a marine pollutant, as provided in the General Introduction of the IMDG Code, Guidelines for the Identification of Harmful Substances in Packaged Form, is excepted from the requirements of this subchapter as a marine pollutant.

LIST OF MARINE POLLUTANTS

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

Research and Special Programs Admin., DOT

§ 172.101

| LIST OF MARINE POLLUTANTS—Continued | | LIST OF MARINE POLLUTANTS—Continued | |
|-------------------------------------|---|-------------------------------------|---|
| S.M.P. (1) | Marine pollutant (2) | S.M.P. (1) | Marine pollutant (2) |
| | Acraldehyde, inhibited | | Chlorine cyanide, inhibited |
| | Acrolein, inhibited | | Chlormephos |
| | Acrolein, stabilized | | Chloroacetone, stabilized |
| | Acrylic aldehyde, inhibited | | 1-Chloro-2,3-Epoxypropane |
| | Alcohol C-12 - C-16 poly(1-6) ethoxylate | | 2-Chloro-6-nitrotoluene |
| | Alcohol C-13 - C-15 poly(1-6) ethoxylate | | 4-Chloro-2-nitrotoluene |
| | Alcohol C-6 - C-17 (secondary)poly(3-6) ethoxylate | | Chloro-ortho-nitrotoluene |
| | Aldicarb | | 2-Chloro-5-trifluoromethylnitrobenzene |
| PP | Aldrin | | para-Chlorobenzyl chloride, liquid or solid |
| | Alkyl (c12-c14) dimethylamine | | Chlorodinitrobenzenes, liquid or solid |
| | Alkyl (c7-c9) nitrates | | 1-Chloroheptane |
| | Alkylbenzenesulphonates, branched and straight chain | | 1-Chlorohexane |
| | Alkylphenols, liquid, n.o.s. (including C2-C12 homologues) | | Chloronitroanilines |
| | Alkylphenols, solid, n.o.s. (including C2-C12 homologues) | | Chloronitrotoluenes, liquid |
| | Allyl bromide | PP | Chloronitrotoluenes, solid |
| | ortho-Aminoanisole | PP | 1-Chlorooctane |
| | Aminocarb | | Chlorophenolates, liquid |
| | Ammonium dinitro-o-cresolate | | Chlorophenolates, solid |
| | n-Amylbenzene | | Chlorophenols, liquid |
| PP | Azinphos-ethyl | | Chlorophenols, solid |
| PP | Azinphos-methyl | | Chlorophenyltrichlorosilane |
| | Barium cyanide | PP | alpha-Chloropropylene |
| | Bendiocarb | PP | Chlorotoluenes (meta-;para-) |
| | Benomyl | PP | Chlorpyrifos |
| | Benquinox | PP | Chlorthiophos |
| | Benzyl chlorocarbonate | | Cocculus |
| | Benzyl chloroformate | | Coconitrile |
| PP | Binapacryl | PP | Copper acetoarsenite |
| | N,N-Bis (2-hydroxyethyl) oleamide (LOA) | PP | Copper arsenite |
| PP | Brodifacoum | PP | Copper chloride |
| | Bromine cyanide | PP | Copper chloride solution |
| | Bromoacetone | PP | Copper cyanide |
| | Bromoallylene | PP | Copper metal powder |
| | Bromobenzene | PP | Copper sulphate, anhydrous, hydrates |
| | ortho-Bromobenzyl cyanide | | Coumachlor |
| | Bromocyanide | | Coumaphos |
| | Bromofom | PP | Cresyl diphenyl phosphate |
| PP | Bromophos-ethyl | | Crotonaldehyde, stabilized |
| | 3-Bromopropene | PP | Crotonic aldehyde, stabilized |
| | Bromoxynil | PP | Crotoxyphos |
| | Butanedione | PP | Cupric arsenite |
| | 2-Butenal, stabilized | PP | Cupric chloride |
| | Butyl benzyl phthalate | PP | Cupric cyanide |
| | N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine | | Cupric sulfate |
| | 2,4-Di-tert-butylphenol | | Cupriethylenediamine solution |
| | 2,6-Di-tert-butylphenol | | Cuprous chloride |
| | para-tertiary-butyltoluene | | Cyanide mixtures |
| PP | Cadmium compounds | | Cyanide solutions |
| | Cadmium sulphide | | Cyanides, inorganic, n.o.s. |
| | Calcium arsenate | PP | Cyanogen bromide |
| | Calcium arsenate and calcium arsenite, mixtures, solid | PP | Cyanogen chloride, inhibited |
| | Calcium cyanide | PP | Cyanogen chloride, stabilized |
| PP | Camphechlor | PP | Cyanophos |
| | Carbaryl | PP | 1,5,9-Cyclododecatiene |
| | Carbendazim | | Cyhexatin |
| | Carbofuran | PP | Cymenes (o-;m-;p-) |
| | Carbon tetrabromide | PP | Cypermethrin |
| | Carbon tetrachloride | PP | DDT |
| PP | Carbophenothion | | Decycloxytetrahydrothiophene dioxide |
| | Cartap hydrochloride | PP | DEF |
| PP | Chlordane | | Desmedipham |
| | Chlorfenvinphos | PP | Di-allate |
| PP | Chlorinated paraffins (C-10 - C-13) | | Di-n-Butyl phthalate |
| PP | Chlorinated paraffins (C14–C17), with more than 1% shorter chain length | PP | Dialifos |
| | Chlorine | | 4,4'-Diaminodiphenylmethane |
| | | PP | Diazinon |
| | | | 1,3-Dibromobenzene |
| | | | Dichlofenthion |
| | | | Dichloroanilines |
| | | | 1,3-Dichlorobenzene |
| | | | 1,2-Dichlorobenzene |

§ 172.101

49 CFR Ch. I (10–1–02 Edition)

LIST OF MARINE POLLUTANTS—Continued

LIST OF MARINE POLLUTANTS—Continued

| S.M.P. (1) | Marine pollutant (2) |
|---------------|---|
| | 1,4-Dichlorobenzene |
| | Dichlorobenzene (meta-; para-) |
| | 2,2-Dichlorodiethyl ether |
| | Dichlorodimethyl ether, symmetrical |
| | Di-(2-chloroethyl) ether |
| | 1,1-Dichloroethylene, inhibited |
| | 1,6-Dichlorohexane |
| | Dichlorophenyltrichlorosilane |
| PP | Dichlorvos |
| PP | Diclofop-methyl |
| | Dicrotophos |
| PP | Dieldrin |
| | Diisopropylbenzenes |
| | Diisopropyl-naphthalenes, mixed isomers |
| PP | Dimethoate |
| PP | N,N-Dimethyldodecylamine |
| | Dimethylhydrazine, symmetrical |
| | Dimethylhydrazine, unsymmetrical |
| | Dinitro-o-cresol, <i>solid</i> |
| | Dinitro-o-cresol, <i>solution</i> |
| | 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 |
| | Diphenyl oxide and biphenyl phenyl ether mixtures |
| PP | Diphenylamine chloroarsine |
| PP | Diphenylchloroarsine, <i>solid or liquid</i> |
| | Disulfoton |
| | 1,4-Di-tert-butylbenzene |
| | DNOC |
| | DNOC (pesticide) |
| PP | Dodecyl diphenyl oxide disulphonate |
| | Dodecyl hydroxypropyl sulfide |
| PP | 1-Dodecylamine |
| | Dodecylphenol |
| | Drazoxolon |
| | Edifenphos |
| PP | Endosulfan |
| PP | Endrin |
| | Epibromohydrin |
| | Epichlorohydrin |
| PP | EPN |
| PP | Esfenvalerate |
| PP | Ethion |
| | Ethoprophos |
| | Ethyl fluid |
| | Ethyl mercaptan |
| | 2-Ethylhexyl nitrate |
| | 5-Ethyl-2-picoline |
| | Ethyl propenoate, inhibited |
| | 2-Ethyl-3-propylacrolein |
| | Ethyl tetraphosphate |
| | Ethylchloroarsine |
| | Ethylene dibromide and methyl bromide mixtures, liquid |
| | 2-Ethylhexaldehyde |
| | Fenamiphos |

| S.M.P. (1) | Marine pollutant (2) |
|---------------|--|
| PP | Fenbutatin oxide |
| PP | Fenchlorazole-ethyl |
| PP | Fenitrothion |
| PP | Fenoxapro-ethyl |
| PP | Fenoxaprop-P-ethyl |
| PP | Fenpropathrin |
| | Fensulfthion |
| 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 |
| 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 |
| | Isoamyl mercaptan |
| | Isobenzan |
| | Isobutyl butyrate |
| | Isobutylbenzene |
| | Isodecyl acrylate |
| | Isodecyl diphenyl phosphate |
| | Isufenphos |
| | Isooctyl nitrate |
| | Isoproc carb |
| | Isopropenylbenzene |
| | 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) |

Research and Special Programs Admin., DOT

§ 172.101

| LIST OF MARINE POLLUTANTS—Continued | | LIST OF MARINE POLLUTANTS—Continued | |
|-------------------------------------|---|-------------------------------------|---|
| S.M.P. (1) | Marine pollutant (2) | S.M.P. (1) | Marine pollutant (2) |
| | Maneb | | 3-Methylacroleine, stabilized |
| | Maneb preparations with not less than 60% maneb | | Methylchlorobenzenes |
| | Maneb preparation, stabilized against self-heating | | Methylnitrophenols |
| | Maneb stabilized or Maneb preparations, stabilized against self-heating | | 3-Methylpyridine |
| | Manganese ethylene-1,2-bis dithiocarbamate | | Methyltrithion |
| | Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating | PP | Methylvinylbenzenes, inhibited |
| | Mecarbam | | Mevinphos |
| | Mephosfolan | | Mexacarbate |
| | Mercaptodimethur | | Mirex |
| PP | Mercuric acetate | | Monocrotophos |
| PP | Mercuric ammonium chloride | | Motor fuel anti-knock mixtures |
| PP | Mercuric arsenate | | Motor fuel anti-knock mixtures or compounds |
| PP | Mercuric benzoate | PP | Nabam |
| PP | Mercuric bisulphate | PP | Naled |
| PP | Mercuric bromide | PP | Nickel carbonyl |
| PP | Mercuric chloride | | Nickel cyanide |
| PP | Mercuric cyanide | | Nickel tetracarbonyl |
| PP | Mercuric gluconate | | 3-Nitro-4-chlorobenzotrifluoride |
| | Mercuric iodide | | Nitrobenzene |
| PP | Mercuric nitrate | | Nitrobenzotrifluorides, liquid or solid |
| PP | Mercuric oleate | | Nonylphenol |
| PP | Mercuric oxide | | normal-Octaldehyde |
| PP | Mercuric oxycyanide, desensitized | PP | Oleylamine |
| PP | Mercuric potassium cyanide | PP | Organotin compounds, liquid, n.o.s. |
| PP | Mercuric Sulphate | PP | Organotin compounds (pesticides) |
| PP | Mercuric thiocyanate | PP | Organotin compounds, solid, n.o.s. |
| PP | Mercuriol | PP | Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C |
| PP | Mercurous acetate | PP | Organotin pesticides, liquid, toxic, flammable, n.o.s. |
| PP | Mercurous bisulphate | PP | Organotin pesticides, liquid, toxic, n.o.s. |
| PP | Mercurous bromide | PP | Organotin pesticides, solid, toxic, n.o.s. |
| PP | Mercurous chloride | PP | Orthoarsenic acid |
| PP | Mercurous nitrate | | Osmium tetroxide |
| PP | Mercurous salicylate | | Oxamyl |
| PP | Mercurous sulphate | | Oxydisulfoton |
| PP | Mercury acetates | PP | Paraoxon |
| PP | Mercury ammonium chloride | PP | Parathion |
| PP | Mercury based pesticide, liquid, flammable, toxic | PP | Parathion-methyl |
| PP | Mercury based pesticides, liquid, toxic, flammable | PP | PCBs. |
| PP | Mercury based pesticides, liquid, toxic | PP | Pentachloroethane |
| PP | Mercury based pesticides, solid, toxic | PP | Pentachlorophenol |
| PP | Mercury benzoate | | Pentalin |
| PP | Mercury bichloride | | Pentanethiols |
| PP | Mercury bisulphates | | n-Pentylbenzene |
| PP | Mercury bromides | | Perchloroethylene |
| PP | Mercury compounds, liquid, n.o.s. | | Perchloromethylmercaptan |
| PP | Mercury compounds, solid, n.o.s. | PP | Petrol, leaded |
| PP | Mercury cyanide | | Phenarsazine chloride |
| PP | Mercury gluconate | PP | d-Phenothrin |
| PP | Mercury (I) (mercurous) compounds (pesticides) | | Phenthoate |
| PP | Mercury (II) (mercuric) compounds (pesticides) | | 1-Phenylbutane |
| | Mercury iodide | | 2-Phenylbutane |
| PP | Mercury nucleate | PP | Phenylcyclohexane |
| PP | Mercury oleate | PP | Phenylmercuric acetate |
| PP | Mercury oxide | PP | Phenylmercuric compounds, n.o.s. |
| PP | Mercury oxycyanide, desensitized | PP | Phenylmercuric hydroxide |
| PP | Mercury potassium cyanide | PP | Phenylmercuric nitrate |
| PP | Mercury potassium iodide | PP | 2-Phenylpropene |
| PP | Mercury salicylate | PP | Phorate |
| PP | Mercury sulfates | PP | Phosalone |
| PP | Mercury thiocyanate | PP | Phosmet |
| | Metam-sodium | PP | Phosphamidon |
| | Methamidophos | PP | Phosphorus, white, molten |
| | Methanethiol | PP | Phosphorus, white or yellow dry or under water or in solution |
| | Methidathion | PP | Phosphorus white, or yellow, molten |
| | Methomyl | PP | Phosphorus, yellow, molten |
| | ortho-Methoxyaniline | | Pindone (and salts of) |
| | Methyl bromide and ethylene dibromide mixtures, liquid | PP | Pirimicarb |
| | Methyl mercaptan | PP | Pirimiphos-ethyl |
| | | PP | Polychlorinated biphenyls |

§ 172.102

49 CFR Ch. I (10–1–02 Edition)

LIST OF MARINE POLLUTANTS—Continued

| S.M.P. (1) | Marine pollutant (2) |
|---------------|---|
| PP | Polyhalogenated biphenyls, liquid or Terphenyls liq- uid |
| PP | Polyhalogenated biphenyls, solid or Terphenyls, solid |
| PP | Potassium cuprocyanide |
| | Potassium cyanide, solid |
| | Potassium cyanide, solution |
| PP | Potassium cyanocuprate (I) |
| PP | Potassium cyanomercurate |
| PP | Potassium mercuric iodide |
| | Promecarb |
| | Propachlor |
| | Propaphos |
| | Propenal, inhibited |
| | Propoxur |
| | Prothoate |
| | Prussic acid, anhydrous, stabilized |
| | Prussic acid, anhydrous, stabilized, absorbed in a porous inert material |
| PP | Pyrazophos |
| PP | Quinalphos |
| PP | Quizalofop |
| PP | Quizalofop-p-ethyl |
| | Rotenone |
| | Salithion |
| PP | Silafluofen |
| | Silver arsenite |
| | 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, dry or wetted with less than 15 per cent water, by mass |
| | Sodium dinitro-ortho-cresolate, wetted with not less than 15 per cent water, by mass |
| PP | Sodium pentachlorophenate |
| | Strychnine or Strychnine salts |
| | Sulfotep |
| PP | Sulprophos |
| | Tallow nitrile |
| | Temephos |
| | TEPP |
| PP | Terbufos |
| | Tetrabromoethane |
| | Tetrabromomethane |
| | 1,1,2,2-Tetrachloroethane |
| | Tetrachloroethylene |
| | Tetrachloromethane |
| | Tetrachlorophenol |
| | Tetraethyl dithiopyrophosphate |
| PP | Tetraethyl lead, liquid |
| | Tetramethrin |
| | Tetramethyllead |
| | Thallium chloride |
| | Thallium compounds, n.o.s. |
| | Thallium compounds (pesticides) |
| | Thallium nitrate |
| | Thallium sulfate |
| | Thallos chloride |
| | Thiocarbonyl tetrachloride |
| | Triaryl phosphates, isopropylated |
| PP | Triaryl phosphates, n.o.s. |
| | Triazophos |
| | Tribromomethane |
| PP | Tributyltin compounds |
| | Trichlorfon |
| PP | 1,2,3—Trichlorobenzene |

LIST OF MARINE POLLUTANTS—Continued

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

[Amdt. 172–127, 57 FR 52935, Nov. 5, 1992]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting appendix B to §172.101, see the List of CFR Sections Affected which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 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