

- 172.431 KEEP AWAY FROM FOOD label.
- 172.432 INFECTIOUS SUBSTANCE label.
- 172.436 RADIOACTIVE WHITE-I label.
- 172.438 RADIOACTIVE YELLOW-II label.
- 172.440 RADIOACTIVE YELLOW-III label.
- 172.442 CORROSIVE label.
- 172.444 [Reserved]
- 172.446 CLASS 9 label.
- 172.448 CARGO AIRCRAFT ONLY label.
- 172.450 EMPTY label.

Subpart F — Placarding

- 172.500 Applicability of placarding requirements.
- 172.502 Prohibited and permissive placarding.
- 172.503 Identification number display on placards.
- 172.504 General placarding requirements.
- 172.505 Placarding for subsidiary hazards.
- 172.506 Providing and affixing placards: Highway.
- 172.507 Special placarding provision: Highway.
- 172.508 Placarding and affixing placards: Rail.
- 172.510 Special placarding provisions: Rail.
- 172.512 Freight containers and aircraft unit load devices.
- 172.514 Bulk packagings other than tank cars.
- 172.516 Visibility and display of placards.
- 172.519 General specifications for placards.
- 172.521 DANGEROUS placard.
- 172.522 EXPLOSIVES 1.1, EXPLOSIVES 1.2 and EXPLOSIVES 1.3 placards.
- 172.523 EXPLOSIVES 1.4 placard.
- 172.524 EXPLOSIVES 1.5 placard.
- 172.525 EXPLOSIVES 1.6 placard.
- 172.526 [Reserved]
- 172.527 Background requirements for certain placards.
- 172.528 NON-FLAMMABLE GAS placard.
- 172.530 OXYGEN placard.
- 172.532 FLAMMABLE GAS placard.
- 172.536 [Reserved]
- 172.540 POISON GAS placard.
- 172.542 FLAMMABLE placard.
- 172.544 COMBUSTIBLE placard.
- 172.546 FLAMMABLE SOLID placard.
- 172.547 SPONTANEOUSLY COMBUSTIBLE placard.
- 172.548 DANGEROUS WHEN WET placard.
- 172.550 OXIDIZER placard.
- 172.552 ORGANIC PEROXIDE placard.
- 172.553 KEEP AWAY FROM FOOD.
- 172.554 POISON 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.

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

Subpart I — Radiation Protection Program

- 172.801 Applicability of the radiation protection program.
- 172.803 Radiation protection program.
- 172.805 Recordkeeping and notifications.
- 172.807 Transitional provisions.

Appendix A — Office of Hazardous Materials Transportation Color Charts and Tables**Appendix B — Trefoil Symbol****Appendix C — Dimensional Specifications for Recommended Placard Holder****§172.1 Purpose and scope.**

This part lists and classifies those materials which the Department of Transportation 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.

§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.

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 five symbols (“+”, “A”, “D”, “I”, and “W”), as follows:

(1) The plus (+) 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 or packing group or meets any other hazard class definition. An appropriate alternate proper shipping name and hazard class may be authorized by the Associate Administrator for Hazardous Materials Safety.

(2) The letter “A” restricts the application of requirements of this subchapter to materials offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste.

(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 “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.

(5) The letter “W” restricts the application of requirements of this subchapter to materials offered or intended for transportation by vessel, unless the material is a hazardous substance or a hazardous waste.

(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.