

## § 173.12

## 49 CFR Ch. I (10–1–07 Edition)

damage to container in handling. The exposure to this danger decreases directly with the isolation of the unloading point.

[29 FR 18773, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and by Amdt. 173–162, 48 FR 10226, Mar. 10, 1983, and amended by Amdt. 173–180, 49 FR 42735, Oct. 24, 1984; Amdt. 173–207, 53 FR 38274, Sept. 29, 1988; Amdt. 173–224, 55 FR 52608, Dec. 21, 1990; 56 FR 66265, Dec. 20, 1991; Amdt. 173–234, 58 FR 51532, Oct. 1, 1993; 67 FR 61013, Sept. 27, 2002]

### § 173.12 Exceptions for shipment of waste materials.

(a) *Open head drums.* If a hazardous material that is a hazardous waste is required by this subchapter to be shipped in a closed head drum (i.e., a drum with a 7.0 cm (3 inches) or less bung opening) and the hazardous waste contains solids or semisolids that make its placement in a closed head drum impracticable, an equivalent (except for closure) open head drum may be used for the hazardous waste.

(b) *Lab packs.* (1) Waste materials classed as Class or Division 3, 4.1, 4.2, 4.3, 5.1, 6.1, 8, or 9 are excepted from the specification packaging requirements of this subchapter for combination packagings if packaged in accordance with this paragraph and transported for disposal or recovery by highway, rail or cargo vessel only. In addition, a generic description from the § 172.101 table may be used in place of specific chemical names, when two or more chemically compatible waste materials in the same hazard class are packaged in the same outside packaging.

(2) Additional packaging requirements are as follows:

(i) The outer packaging must be a UN 1A2 or UN 1B2 metal drum, a UN 1D plywood drum, a UN 1G fiber drum or a UN 1H2 plastic drum tested and marked at least for the Packing Group III performance level for liquids or solids;

(ii) The inner packagings must be either glass, not exceeding 4 L (1 gallon) rated capacity, or metal or plastic, not exceeding 20 L (5.3 gallons) rated capacity;

(iii) Each outer packaging may contain only one class of hazardous material;

(iv) Inner packagings containing liquid must be surrounded by a chemically compatible absorbent material in

sufficient quantity to absorb the total liquid contents; and

(v) Gross weight of the complete package may not exceed 205 kg (452 lbs).

(3) *Prohibited materials.* The following materials may not be packaged or described under the provisions of this paragraph (b): a material poisonous by inhalation, a Division 6.1 Packing Group I material, a Division 4.2 Packing Group I material, chloric acid and oleum (fuming sulfuric acid).

(c) *Reuse of packagings.* A previously used packaging may be reused for the shipment of waste material transported for disposal or recovery, not subject to the reconditioning and reuse provisions contained in § 173.28 and part 178 of this subchapter, under the following conditions:

(1) Except as authorized by this paragraph, the waste must be packaged in accordance with this part and offered for transportation in accordance with the requirements of this subchapter.

(2) Transportation is performed by highway only.

(3) A package is not offered for transportation less than 24 hours after it is finally closed for transportation, and each package is inspected for leakage and is found to be free from leaks immediately prior to being offered for transportation.

(4) Each package is loaded by the shipper and unloaded by the consignee, unless the motor carrier is a private or contract carrier.

(5) The packaging may be used only once under this paragraph and may not be used again for shipment of hazardous materials except in accordance with § 173.28.

(d) *Technical names for n.o.s. descriptions.* The requirements for the inclusion of technical names for n.o.s. descriptions on shipping papers and package markings, §§ 172.203 and 172.301 of this subchapter, respectively, do not apply to packages prepared in accordance with paragraph (b) of this section, except that packages containing materials meeting the definition of a hazardous substance must be described as required in § 172.203 of this subchapter and marked as required in § 172.324 of this subchapter.

(e) *Exceptions from segregation requirements.* (1) The provisions of §§174.81(c), 176.83(b) and 177.848(c) of this subchapter do not apply to waste cyanides or waste cyanide mixtures or solutions stored, loaded, or transported with acids in accordance with the following:

(i) The waste cyanides or waste cyanide mixtures or solutions must be packaged in lab packs in accordance with paragraph (b) of this section;

(ii) The Class 8 acids must be packaged in lab packs in accordance with paragraph (b) of this section or in authorized single packagings not exceeding 208 L (55 gallons) capacity;

(iii) Waste cyanides or waste cyanide mixtures may not exceed 2 kg (4.4 pounds) per inner receptacle and may not exceed 10 kg (22 pounds) per outer packaging; waste cyanide solutions may not exceed 2 L (0.6 gallon) per inner receptacle and may not exceed 10 L (3.0 gallons) per outer packaging.

(iv) The waste cyanides or waste cyanide mixtures or solutions must be—

(A) Separated from the acids by a minimum horizontal distance of 1.2 m (4 feet); and

(B) Loaded at least 100 mm (4 inches) off the floor of the freight container, unit load device, transport vehicle or rail car.

(2) The provisions of §§174.81(d), 176.83(b) and 177.848(d) of this subchapter do not apply to waste Division 4.2 materials stored, loaded or transported with Class 8 liquids in accordance with the following:

(i) The waste Division 4.2 materials are packaged in lab packs in accordance with paragraph (b) of this section;

(ii) The Class 8 liquids are packaged in lab packs in accordance with paragraph (b) of this section or in authorized single packagings not exceeding 208 L (55 gallons) capacity;

(iii) The waste Division 4.2 materials may not exceed 2 kg (4.4 pounds) per inner receptacle and may not exceed 10 kg (22 pounds) per outer packaging;

(iv) The waste Division 4.2 materials must be separated from the Class 8 liquids by a minimum horizontal distance of 1.2 m (4 feet);

(v) The waste Division 4.2 materials and the Class 8 liquids are loaded at least 100 mm (4 inches) off the floor of

the freight container, unit load device, transport vehicle or rail car.

[Amdt. 173-224, 55 FR 52609, Dec. 21, 1990, as amended at 56 FR 66265, Dec. 20, 1991; Amdt. 173-231, 57 FR 52939, Nov. 5, 1992; Amdt. 173-138, 59 FR 49133, Sept. 26, 1994; 65 FR 50460, Aug. 18, 2000; 65 FR 58629, Sept. 29, 2000; 68 FR 48569, Aug. 14, 2003; 70 FR 3309, Jan. 24, 2005]

**§ 173.13 Exceptions for Class 3, Divisions 4.1, 4.2, 4.3, 5.1, 6.1, and Classes 8 and 9 materials.**

(a) A Class 3, 8 or 9, or Division 4.1, 4.2, 4.3, 5.1, or 6.1 material is excepted from the labeling (except for the CARGO AIRCRAFT ONLY label), placarding and segregation requirements of this subchapter if prepared for transportation in accordance with the requirements of this section. A material that meets the definition of a material poisonous by inhalation may not be offered for transportation or transported under provisions of this section.

(b) A hazardous material conforming to the requirements of this section may be transported by motor vehicle and rail car. In addition, packages prepared in accordance with this section may be transported by aircraft under the following conditions:

(1) *Cargo-only aircraft.* Only hazardous materials permitted to be transported aboard either a passenger or cargo-only aircraft by column (9A) or (9B) of the Hazardous Materials Table in §172.101 of this subchapter are authorized aboard cargo-only aircraft.

(2) *Passenger carrying aircraft.* Only hazardous materials permitted to be transported aboard a passenger aircraft by column (9A) of the Hazardous Materials Table in §172.101 of this subchapter are authorized aboard passenger aircraft. The completed package, assembled as for transportation, must be successfully tested in accordance with part 178 of this subchapter at the Packing Group I level. A hazardous material which meets the definition of a Division 5.1 (oxidizer) at the Packing Group I level in accordance with §173.127(b)(1)(i) of this subchapter may not be transported aboard a passenger aircraft.

(3) Packages offered for transportation aboard either passenger or