

(iii) The net liquid contents of all inner packagings in any single outer packaging may not exceed 5.6 liters (1.5 gallons). The net solid contents of all inner packagings in any single outer packaging may not exceed 15 kilograms (33 pounds). The gross weight of any single outer package shipped may not exceed 30 kilograms (66 pounds); Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and shifting.

(2) Beverages, food, cosmetics and medicines, medical screening solutions, and concentrates sold as retail products containing ethyl alcohol classed as a flammable liquid or flammable solid containing more than 70% ethyl alcohol by volume, by weight for solids are excepted from the HMR provided that:

(i) For inner packagings containing liquids the volume does not exceed 0.23 liters (0.063 gallons) in capacity;

(ii) Solids containing ethyl alcohol are not packed in inner packagings exceeding 0.22 kilograms (0.5 pounds) in weight;

(iii) The net liquid contents of all inner packagings in any single outer packaging may not exceed 5.6 liters (1.5 gallons). The net solid contents of all inner packagings in any single outer packaging may not exceed 15 kilograms (33 pounds). The gross weight of any single outer package shipped may not exceed 30 kilograms (66 pounds). Inner packagings must be secured and cushioned within the outer package to prevent breakage, leakage, and shifting.

(3) For transportation by passenger or cargo aircraft, no outer package may be transported which contains an inner packaging exceeding:

(i) 0.47 liters (0.125 gallons) of flammable liquid; or

(ii) 0.45 kilograms (1 pound) of solids containing flammable liquid.

(h) Diesel fuel (NA1993) and Gasoline (UN1203) may be transported one way, by motor vehicle, directly from the loading location to an equipment repair facility, in a non-DOT specification, non-bulk packaging, known as a gasoline dispenser, that has been removed from service at a fueling station under the following conditions:

(1) Prior to loading, each dispenser must be prepared for transportation by capping or plugging all product inlet and outlet piping, so that no fluid may be released during transportation;

(2) No dispenser may contain more than 2 gallons of gasoline; and

(3) Each dispenser must be blocked, braced or strapped to the motor vehicle in accordance with the requirements of this subchapter to prevent shifting during transportation.

(i) *Reverse logistics*. Hazardous materials meeting the definition of "reverse logistics" under §171.8 of this subchapter and in compliance with paragraph (b) of this section may be offered for transport and transported in highway transportation in accordance with §173.157.

[Amdt. 173–224, 55 FR 52634, Dec. 21, 1990]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §173.150, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.govinfo.gov.

§ 173.151 Exceptions for Class 4.

(a) *General*. Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) *Limited quantities of Division 4.1.*

(1) Limited quantities of flammable solids (Division 4.1) in Packing Groups II and III and, where authorized by this section, charcoal briquettes (Division 4.2) in Packing Group III, are excepted from labeling requirements unless the material is offered for transportation or transported by aircraft, and are excepted from the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. If authorized for transportation by aircraft, the package must also conform to applicable requirements of §173.27 of this part (*e.g.*, authorized materials, inner packaging quantity limits and closure securement) and only hazardous material authorized aboard passenger-carrying aircraft may be transported as a limited quantity. A limited quantity package that conforms to the provisions of this section is not subject to the shipping paper requirements of

subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or is offered for transportation and transported by aircraft or vessel, and is eligible for the exceptions provided in §173.156 of this part. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. Except for transportation by aircraft, the following combination packagings are authorized:

(i) For flammable solids in Packing Group II, inner packagings not over 1.0 kg (2.2 pounds) or 1 L (0.3 gallon) net capacity each, packed in a strong outer packaging.

(ii) For flammable solids in Packing Group III, inner packagings not over 5.0 kg (11 pounds) or 5.0 L (1.3 gallon) net capacity each, packed in a strong outer packaging.

(2) For transportation by highway or rail, Charcoal briquettes (NA1361) may be packaged as a limited quantity in accordance with paragraph (b) of this section in packagings not exceeding 30 kg gross weight and are eligible for the exceptions provided in §173.156.

(c) [Reserved]

(d) *Limited quantities of Division 4.3.* Limited quantities of dangerous when wet solids (Division 4.3) in Packing Groups II and III are excepted from labeling requirements, unless the material is offered for transportation or transported by aircraft, and are excepted from the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. For transportation by aircraft, the package must also conform to applicable requirements of §173.27 of this part (*e.g.*, authorized materials, inner packaging quantity limits and closure securement) and only hazardous material authorized aboard passenger-carrying aircraft may be transported as a limited quantity. A limited quantity package that conforms to the provisions of this section is not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the mate-

rial meets the definition of a hazardous substance, hazardous waste, marine pollutant, or is offered for transportation and transported by aircraft or vessel. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. Except for transportation by aircraft, the following combination packagings are authorized:

(1) For dangerous when wet solids in Packing Group II, inner packagings not over 0.5 kg (1.1 pounds) net capacity each, packed in a strong outer packaging.

(2) For dangerous when wet solids in Packing Group III, inner packagings not over 1.0 kg (2.2 pounds) net capacity each, packed in a strong outer packaging.

(e) For transportation by motor vehicle only, Lithium (UN1415), Potassium (UN2257), and Sodium (UN1428) with a net quantity of material per inner packaging not exceeding 25 grams, are excepted from the labeling requirements of part 172, subpart E and the placarding requirements of part 172, subpart F of this subchapter, when offered for transportation in the following packagings under the following conditions:

(1) *Packaging.* (i) The hazardous material is placed in a tightly closed plastic bottle after being submerged in mineral oil;

(ii) The plastic bottle is placed inside a plastic bag that is securely closed to prevent leaks or punctures;

(iii) The bagged bottle is then be placed inside a metal can with all void spaces filled with an oil-absorbing material and sealed tight; and

(iv) The can is then placed into a heat sealed barrier bag.

(2) *Marking.* Each inner plastic bottle, outer metal can, and barrier bag must be marked with: Chemical name; quantity; and the name and address of the offeror. Each outer packaging must be marked with the proper shipping name and identification number in conformance with §172.301. Additionally, each outer packaging must be

marked, "FOR TRANSPORT BY MOTOR VEHICLE ONLY."

(3) *Recordkeeping.* (i) Records of the preparation, packaging, and marking of each chemical must be documented and all components in each package must be noted; and

(ii) Records must be retained for a minimum of 5 years and be accessible at or through the shipper's principal place of business and be made available, upon request, to the Associate Administrator or designated official.

(f) *Reverse logistics.* Except for Division 4.2 hazardous materials and self-reactive materials, hazardous materials meeting the definition of "reverse logistics" under §171.8 of this subchapter and in compliance with paragraph (b) of this section may be offered for transport and transported in highway transportation in accordance with §173.157.

[Amdt. 173-224, 55 FR 52634, Dec. 21, 1990]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §173.151, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.govinfo.gov.

§ 173.152 Exceptions for Division 5.1 (oxidizers) and Division 5.2 (organic peroxides).

(a) *General.* Exceptions for hazardous materials shipments in the following paragraphs are permitted only if this section is referenced for the specific hazardous material in the §172.101 table of this subchapter.

(b) *Limited quantities.* Limited quantities of oxidizers (Division 5.1) in Packing Group II and III and organic peroxides (Division 5.2) are excepted from labeling requirements, unless the material is offered for transportation or transported by aircraft, and are excepted from the specification packaging requirements of this subchapter when packaged in combination packagings according to this paragraph. For transportation by aircraft, the package must also conform to applicable requirements of §173.27 of this part (*e.g.*, authorized materials, inner packaging quantity limits and closure securement) and only hazardous material authorized aboard passenger-carrying aircraft may be transported as a limited quantity. A limited quantity package

that conforms to the provisions of this section is not subject to the shipping paper requirements of subpart C of part 172 of this subchapter, unless the material meets the definition of a hazardous substance, hazardous waste, marine pollutant, or is offered for transportation and transported by aircraft or vessel, and is eligible for the exceptions provided in §173.156 of this part. In addition, shipments of limited quantities are not subject to subpart F (Placarding) of part 172 of this subchapter. Each package must conform to the packaging requirements of subpart B of this part and may not exceed 30 kg (66 pounds) gross weight. Except for transportation by aircraft, the following combination packagings are authorized:

(1) For oxidizers in Packing Group II, inner packagings not over 1.0 L (0.3 gallon) net capacity each for liquids or not over 1.0 kg (2.2 pounds) net capacity each for solids, packed in a strong outer packaging.

(2) For oxidizers in Packing Group III, inner packagings not over 5 L (1.3 gallons) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging.

(3) For organic peroxides that do not require temperature control during transportation—

(i) Except for transportation by aircraft, for Type B or C organic peroxides, inner packagings not over 25 mL (0.845 ounces) net capacity each for liquids or 100 g (3.528 ounces) net capacity for solids, packed in a strong outer packaging.

(ii) For Type D, E, or F organic peroxides, inner packagings not over 125 mL (4.22 ounces) net capacity each for liquids or 500 g (17.64 ounces) net capacity for solids, packed in a strong outer packaging.

(c) [Reserved]

(d) *Reverse logistics.* Except for Division 5.2 hazardous materials, hazardous materials meeting the definition of "reverse logistics" under §171.8 of this subchapter and in compliance with paragraph (b) of this section may be offered for transport and transported in