

## § 173.201

(2) The package is marked “Carbon dioxide, solid” or “Dry ice” and an indication that the material being refrigerated is used for diagnostic or treatment purposes (e.g., frozen medical specimens).

(e) *Training.* Each person who offers or transports a Category B infectious substance under the provisions of this section must know about the requirements of this section.

[67 FR 53142, Aug. 14, 2002, as amended at 71 FR 32261, June 2, 2006; 72 FR 55693, Oct. 1, 2007; 78 FR 1088, Jan. 7, 2013; 80 FR 1160, Jan. 8, 2015; 80 FR 72927, Nov. 23, 2015; 81 FR 35542, June 2, 2016; 85 FR 83399, Dec. 21, 2020; 87 FR 44994, July 26, 2022]

### § 173.201 Non-bulk packagings for liquid hazardous materials in Packing Group I.

(a) When §172.101 of this subchapter specifies that a liquid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each packaging must conform to the general packaging requirements of subpart B of part 173, to the requirements of part 178 of this subchapter at the Packing Group I performance level, and to the requirements of the special provisions of column 7 of the §172.101 table.

(b) The following combination packagings are authorized:

#### *Outer packagings:*

Steel drum: 1A1 or 1A2  
Aluminum drum: 1B1 or 1B2  
Metal drum other than steel or aluminum: 1N1 or 1N2  
Plywood drum: 1D  
Fiber drum: 1G  
Plastic drum: 1H1 or 1H2  
Steel jerrican: 3A1 or 3A2  
Plastic jerrican: 3H1 or 3H2  
Aluminum jerrican: 3B1 or 3B2  
Steel box: 4A  
Aluminum box: 4B  
Natural wood box: 4C1 or 4C2  
Plywood box: 4D  
Reconstituted wood box: 4F  
Fiberboard box: 4G  
Expanded plastic box: 4H1  
Solid plastic box: 4H2  
Metal box other than steel or aluminum: 4N

#### *Inner packagings:*

Glass or earthenware receptacles  
Plastic receptacles  
Metal receptacles  
Glass ampoules

## 49 CFR Ch. I (10–1–23 Edition)

(c) Except for transportation by passenger aircraft, the following single packagings are authorized:

Steel drum: 1A1 or 1A2  
Aluminum drum: 1B1 or 1B2  
Metal drum other than steel, or aluminum: 1N1 or 1N2  
Plastic drum: 1H1 or 1H2  
Steel jerrican: 3A1 or 3A2  
Plastic jerrican: 3H1 or 3H2  
Aluminum jerrican: 3B1 or 3B2  
Plastic receptacle in steel, aluminum, fiber or plastic drum: 6HA1, 6HB1, 6HG1, 6HH1  
Plastic receptacle in steel, aluminum, wooden, plywood or fiberboard box: 6HA2, 6HB2, 6HC, 6HD2 or 6HG2  
Glass, porcelain or stoneware in steel, aluminum or fiber drum: 6PA1, 6PB1 or 6PG1  
Glass, porcelain or stoneware in steel, aluminum, wooden or fiberboard box: 6PA2, 6PB2, 6PC or 6PG2  
Glass, porcelain or stoneware in solid or expanded plastic packaging: 6PH1 or 6PH2  
Cylinders, specification or UN standard, as prescribed for any compressed gas, except 3HT and those prescribed for acetylene.

[Amdt. 173–224, 55 FR 52634, Dec. 21, 1990, as amended by Amdt. 173–241, 59 FR 67518, Dec. 29, 1994; Amdt. 173–261, 62 FR 24734, May 6, 1997; 71 FR 33880, June 12, 2006; 78 FR 1089, Jan. 7, 2013]

### § 173.202 Non-bulk packagings for liquid hazardous materials in Packing Group II.

(a) When §172.101 of this subchapter specifies that a liquid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each packaging must conform to the general packaging requirements of subpart B of part 173, to the requirements of part 178 of this subchapter at the Packing Group I or II performance level (unless otherwise excepted), and to the particular requirements of the special provisions of column 7 of the §172.101 table.

(b) The following combination packagings are authorized:

#### *Outer packagings:*

Steel drum: 1A1 or 1A2  
Aluminum drum: 1B1 or 1B2  
Metal drum other than steel or aluminum: 1N1 or 1N2  
Plywood drum: 1D  
Fiber drum: 1G  
Plastic drum: 1H1 or 1H2  
Wooden barrel: 2C2  
Steel jerrican: 3A1 or 3A2  
Plastic jerrican: 3H1 or 3H2

Aluminum jerrican: 3B1 or 3B2  
 Steel box: 4A  
 Aluminum box: 4B  
 Natural wood box: 4C1 or 4C2  
 Plywood box: 4D  
 Reconstituted wood box: 4F  
 Fiberboard box: 4G  
 Expanded plastic box: 4H1  
 Solid plastic box: 4H2  
 Metal box other than steel or aluminum: 4N  
*Inner packagings:*  
 Glass or earthenware receptacles  
 Plastic receptacles  
 Metal receptacles  
 Glass ampoules

(c) Except for transportation by passenger aircraft, the following single packagings are authorized:

Steel drum: 1A1 or 1A2  
 Aluminum drum: 1B1 or 1B2  
 Metal drum other than steel or aluminum: 1N1 or 1N2  
 Plastic drum: 1H1 or 1H2  
 Fiber drum: 1G (with liner)  
 Wooden barrel: 2C1  
 Steel jerrican: 3A1 or 3A2  
 Plastic jerrican: 3H1 or 3H2  
 Aluminum jerrican: 3B1 or 3B2  
 Plastic receptacle in steel, aluminum, fiber or plastic drum: 6HA1, 6HB1, 6HG1 or 6HH1  
 Plastic receptacle in steel, aluminum, wooden, plywood or fiberboard box: 6HA2, 6HB2, 6HC, 6HD2 or 6HG2  
 Glass, porcelain or stoneware in steel, aluminum or fiber drum: 6PA1, 6PB1 or 6PG1  
 Glass, porcelain or stoneware in steel, aluminum, wooden or fiberboard box: 6PA2, 6PB2, 6PC or 6PG2  
 Glass, porcelain or stoneware in solid or expanded plastic packaging: 6PH1 or 6PH2  
 Plastic receptacle in plywood drum: 6HD1  
 Glass, porcelain or stoneware in plywood drum or wickerwork hamper: 6PD1 or 6PD2  
 Cylinders, specification, as prescribed for any compressed gas, except for Specifications 8 and 3HT

[Amdt. 173-224, 55 FR 52643, Dec. 21, 1990, as amended at 56 FR 66271, Dec. 20, 1991; Amdt. 173-241, 59 FR 67518, Dec. 29, 1994; Amdt. 173-261, 62 FR 24734, May 6, 1997; 62 FR 51560, Oct. 1, 1997; 78 FR 1089, Jan. 7, 2013]

### § 173.203 Non-bulk packagings for liquid hazardous materials in Packing Group III.

(a) When §172.101 of this subchapter specifies that a liquid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each packaging must conform to the general packaging requirements of subpart B of part 173, to the

requirements of part 178 of this subchapter at the Packing Group I, II or III performance level, and to the requirements of the special provisions of column 7 of the §172.101 table.

(b) The following combination packagings are authorized:

#### *Outer packagings:*

Steel drum: 1A1 or 1A2  
 Aluminum drum: 1B1 or 1B2  
 Metal drum other than steel or aluminum: 1N1 or 1N2  
 Plywood drum: 1D  
 Fiber drum: 1G  
 Plastic drum: 1H1 or 1H2  
 Wooden barrel: 2C2  
 Steel jerrican: 3A1 or 3A2  
 Plastic jerrican: 3H1 or 3H2  
 Aluminum jerrican: 3B1 or 3B2  
 Steel box: 4A  
 Aluminum box: 4B  
 Natural wood box: 4C1 or 4C2  
 Plywood box: 4D  
 Reconstituted wood box: 4F  
 Fiberboard box: 4G  
 Expanded plastic box: 4H1  
 Solid plastic box: 4H2  
 Metal box other than steel or aluminum: 4N  
*Inner packagings:*  
 Glass or earthenware receptacles  
 Plastic receptacles  
 Metal receptacles  
 Glass ampoules

(c) The following single packagings are authorized:

Steel drum: 1A1 or 1A2  
 Aluminum drum: 1B1 or 1B2  
 Metal drum other than steel or aluminum: 1N1  
 Plastic drum: 1H1 or 1H2  
 Fiber drum: 1G (with liner)  
 Wooden barrel: 2C1  
 Steel jerrican: 3A1 or 3A2  
 Plastic jerrican: 3H1 or 3H2  
 Aluminum jerrican: 3B1 or 3B2  
 Plastic receptacle in steel, aluminum, fiber or plastic drum: 6HA1, 6HB1, 6HG1 or 6HH1  
 Plastic receptacle in steel, aluminum, wooden, plywood or fiberboard box: 6HA2, 6HB2, 6HC, 6HD2 or 6HG2  
 Glass, porcelain or stoneware in steel, aluminum or fiber drum: 6PA1, 6PB1, or 6PG1  
 Glass, porcelain or stoneware in steel, aluminum, wooden or fiberboard box: 6PA2, 6PB2, 6PC or 6PG2  
 Glass, porcelain or stoneware in solid or expanded plastic packaging: 6PH1 or 6PH2  
 Plastic receptacle in plywood drum: 6HD1  
 Glass, porcelain or stoneware in plywood drum or wickerwork hamper: 6PD1 or 6PD2