

§ 173.211

49 CFR Ch. I (10–1–10 Edition)

Outer packagings:

- Steel drum: 1A2
- Plastic drum: 1H2
- Plywood drum: 1D
- Fiber drum: 1G
- Steel box: 4A
- Natural wood box: 4C1 or 4C2
- Plywood box: 4D
- Reconstituted wood box: 4F
- Fiberboard box: 4G
- Expanded plastic box: 4H1
- Solid plastic box: 4H2

Inner packagings:

Glass or Steel receptacle

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

- Steel drum: 1A1
- Steel jerrican: 3A1
- Plastic receptacle in steel drum: 6HA1
- Cylinders (for liquids in PG I), specification or UN standard, as prescribed for any compressed gas, except Specification 3HT and those prescribed for acetylene
- Cylinders (for liquids in PG II), specification, as prescribed for any compressed gas, except Specification 8 and 3HT cylinders.

[74 FR 2259, Jan. 14, 2009, as amended at 75 FR 72, Jan. 4, 2010]

§ 173.211 Non-bulk packagings for solid hazardous materials in Packing Group I.

(a) When §172.101 of this subchapter specifies that a solid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each package 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
- 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
- Solid plastic box: 4H2

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
- Steel jerrican: 3A1 or 3A2
- Plastic jerrican: 3H1 or 3H2
- Aluminum jerrican: 3B1 or 3B2
- Steel box with liner: 4A
- Aluminum box with liner: 4B
- Natural wood box, sift proof: 4C2
- Plastic receptacle in steel, aluminum, plywood, fiber or plastic drum: 6HA1, 6HB1, 6HD1, 6HG1 or 6HH1
- Glass, porcelain or stoneware in steel, aluminum, plywood or fiber drum: 6PA1, 6PB1, 6PD1 or 6PG1
- Glass, porcelain or stoneware in steel, aluminum, wooden or fiberboard box: 6PA2, 6PB2, 6PC or 6PG2
- Glass, porcelain or stoneware in expanded or solid plastic packaging: 6PH1 or 6PH2
- Cylinders, as prescribed for any compressed gas, except for Specification 8 and 3HT

[Amdt. 173–224, 55 FR 52643, Dec. 21, 1990, as amended at 56 FR 66271, Dec. 20, 1991; 57 FR 45463, Oct. 1, 1992; Amdt. 173–241, 59 FR 67511, 67518, Dec. 29, 1994; Amdt. 173–261, 62 FR 24734, May 6, 1997; 69 FR 76157, Dec. 20, 2004]

§ 173.212 Non-bulk packagings for solid hazardous materials in Packing Group II.

(a) When §172.101 of this subchapter specifies that a solid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each package 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, 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
 Solid plastic box: 4H2

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
 Plywood drum: 1D
 Plastic drum: 1H1 or 1H2
 Fiber drum: 1G
 Metal drum other than steel or aluminum: 1N1 or 1N2
 Wooden barrel: 2C1 or 2C2
 Steel jerrican: 3A1 or 3A2
 Plastic jerrican: 3H1 or 3H2
 Aluminum jerrican: 3B1 or 3B2
 Steel box: 4A
 Steel box with liner: 4A
 Aluminum box: 4B
 Aluminum box with liner: 4B
 Natural wood box: 4C1
 Natural wood box, sift proof: 4C2
 Plywood box: 4D
 Reconstituted wood box: 4F
 Fiberboard box: 4G
 Expanded plastic box: 4H1
 Solid plastic box: 4H2
 Bag, woven plastic: 5H1, 5H2 or 5H3
 Bag, plastic film: 5H4
 Bag, textile: 5L1, 5L2 or 5L3
 Bag, paper, multiwall, water resistant: 5M2
 Plastic receptacle in steel, aluminum, plywood, fiber or plastic drum: 6HA1, 6HB1, 6HD1, 6HG1 or 6HH1

Plastic receptacle in steel, aluminum, wood, plywood or fiberboard box: 6HA2, 6HB2, 6HC, 6HD2 or 6HG2

Glass, porcelain or stoneware in steel, aluminum, plywood or fiber drum: 6PA1, 6PB1, 6PD1 or 6PG1

Glass, porcelain or stoneware in steel, aluminum, wooden or fiberboard box: 6PA2, 6PB2, 6PC or 6PG2

Glass, porcelain or stoneware in expanded or solid plastic packaging: 6PH1 or 6PH2

Cylinders, as prescribed for any compressed gas, except for Specification 8 and 3HT

[Amdt. 173-224, 55 FR 52634, Dec. 21, 1990, as amended by Amdt. 173-241, 59 FR 67511, 67518, Dec. 29, 1994; Amdt. 173-261, 62 FR 24734, May 6, 1997; 69 FR 76157, Dec. 20, 2004; 70 FR 34398, June 14, 2005]

§ 173.213 Non-bulk packagings for solid hazardous materials in Packing Group III.

(a) When §172.101 of this subchapter specifies that a solid hazardous material be packaged under this section, only non-bulk packagings prescribed in this section may be used for its transportation. Each package 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
 Solid plastic box: 4H2

Inner packagings:

Glass or earthenware receptacles
 Plastic receptacles
 Metal receptacles
 Glass ampoules