

*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

§ 173.213

49 CFR Ch. I (10–1–07 Edition)

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

(c) 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 52643, 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 76158, Dec. 20, 2004; 70 FR 34398, June 14, 2005]

**§ 173.214 Packagings which require approval by the Associate Administrator.**

When §172.101 of this subchapter specifies that a hazardous material be packaged under this section, packagings and method of shipment must be approved by the Associate Administrator prior to the first shipment.

[Amdt. 173–224, 55 FR 52643, Dec. 21, 1990, as amended at 66 FR 45379, Aug. 28, 2001]