

§ 173.335

EDITORIAL NOTE: At 67 FR 61014, Sept. 27, 2002, §173.334(f) was amended, however, paragraph (f) does not exist in this section.

§ 173.335 Gas generator assemblies.

Gas generator assemblies (aircraft) containing liquefied non-flammable, non-toxic gas and a solid propellant cartridge must be packaged as follows:

(a) The gas must be packaged in specification steel cylinders authorized for any compressed gas except acetylene not exceeding 10.5 L (2.8 gallons) internal volume and having a minimum design burst pressure of 19,700 kPa (2,857 psig);

(b) Fittings must be protected against damage under conditions normal incident to transport, any trigger must be fitted with a safety locking pin, and a non-propulsive plug must be installed on the discharge tube; and

(c) Each complete unit must be individually and tightly packed to prevent movement in wooden boxes (4C1 or 4C2), plywood boxes (4D), reconstituted wood boxes (4F), fiberboard boxes (4G), or plastic boxes, (4H1 and 4H2) of Packing Group II performance level, or in the original manufacturer's transit box.

[Amdt. 173-224, 55 FR 52669, Dec. 21, 1990, as amended at 66 FR 45380, Aug. 28, 2001]

§ 173.336 Nitrogen dioxide, liquefied, or dinitrogen tetroxide, liquefied.

Nitrogen dioxide, liquefied, or dinitrogen tetroxide, liquefied, must be packaged in specification cylinders as prescribed in §173.192. Specification cylinders prescribed in §173.192 with valve removed are authorized. Each valve opening must be closed by means of a solid metal plug with tapered thread properly luted to prevent leakage. Transportation in DOT 3AL cylinders is authorized only by highway or rail. Each cylinder must be cleaned in compliance with the requirements of Federal Specification RR-C-901C, paragraphs 3.3.1 and 3.3.2 (incorporated by reference; see §171.7 of this subchapter). Cleaning agents equivalent to those specified in RR-C-901C may be used; however, any cleaning agent must not be capable of reacting with oxygen. One cylinder selected at random from a group of 200 or fewer and cleaned at the same time must be test-

49 CFR Ch. I (10-1-02 Edition)

ed for oil contamination in accordance with Specification RR-C-901C, paragraphs 4.4.2.2 (incorporated by reference; see §171.7 of this subchapter) and meet the standard of cleanliness specified therein.

[67 FR 51651, Aug. 8, 2002]

§ 173.337 Nitric oxide.

Nitric oxide must be packed in DOT 3A1800, 3AA1800, 3E1800, or 3AL1800 cylinders conforming to the requirements of §173.40. Cylinders must be equipped with a stainless steel valve and valve seat that will not deteriorate if in contact with nitric oxide or nitrogen dioxide. Cylinders or valves may not be equipped with pressure relief devices of any type. In addition—

(a) Transportation in DOT 3AL or 3ALM cylinders is authorized only by highway or rail.

(b) Each cylinder must be cleaned in compliance with the requirements of Federal Specification RR-C-901C, paragraphs 3.3.1 and 3.3.2 (incorporated by reference; see §171.7 of this subchapter). Cleaning agents equivalent to those specified in Federal Specification RR-C-901C may be used; however, any cleaning agent must not be capable of reacting with oxygen. One cylinder selected at random from a group of 200 or fewer and cleaned at the same time must be tested for oil contamination in accordance with Federal Specification RR-C-901C paragraph 4.4.2.2 (incorporated by reference; see §171.7 of this subchapter) and meet the standard of cleanliness specified therein.

[67 FR 51651, Aug. 8, 2002]

EDITORIAL NOTE: At 67 FR 61014, Sept. 27, 2002, §173.337(a) and (b) were amended, however, the amendment could not be incorporated because text does not exist.

§ 173.338 Tungsten hexafluoride.

Tungsten hexafluoride must be packed in specification 3A, 3AA, 3BN, or 3E (§§178.36, 178.37, 178.39, 178.42 of this subchapter) cylinders. Cylinders must be equipped with a valve protection cap or be packed in a strong outside container complying with the provisions of §173.40. Outlets of any valves must be capped or plugged. As an alternative, the cylinder opening may be