

(h) \* \* \*

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(2) For cylinders manufactured on or after October 1, 2007, \* \* \*

\* \* \* \* \*

(iv) By loading the cylinders in an upright position and securely bracing the cylinders in rail cars or motor vehicles, when loaded by the consignor and unloaded by the consignee.

(i) \* \* \*

(3) The pressure relief device must be arranged to discharge unobstructed to the open air. In addition, for Division 2.1 (flammable gas) material, the pressure relief devices must be arranged to discharge upward to prevent any escaping gas from contacting personnel or any adjacent cylinders.

\* \* \* \* \*

(m) *Canadian cylinders in domestic use.* A Canadian Transport Commission (CTC) specification cylinder manufactured, originally marked and approved in accordance with the CTC regulations and in full conformance with the Canadian Transport of Dangerous Goods (TDG) Regulations is authorized for the transportation of a hazardous material to, from or within the United States under the following conditions:

(1) The CTC specification corresponds with a DOT specification and the cylinder markings are the same as those specified in this subchapter except that they were originally marked with the letters "CTC" in place of "DOT";

(2) The cylinder has been requalified under a program authorized by the Canadian TDG regulations or requalified in accordance with the requirements in § 180.205 within the prescribed requalification period provided for the corresponding DOT specification;

(3) When the regulations authorize a cylinder for a specific hazardous material with a specification marking

prefix of "DOT", a cylinder marked "CTC" which otherwise bears the same markings that would be required of the specified "DOT" cylinder may be used; and

(4) Transport of the cylinder and the material it contains is in all other respects in conformance with the requirements of this subchapter (e.g. valve protection, filling requirements, operational requirements, etc.).

\* \* \* \* \*

■ 15. In § 173.301a, paragraph (d)(3) is revised to read as follows:

**§ 173.301a Additional general requirements for shipment of specification cylinders.**

\* \* \* \* \*

(d) \* \* \*

(3) The pressure at 55 °C (131 °F) of Hazard Zone A and, after December 31, 2003, Hazard Zone B materials, may not exceed the service pressure of the cylinder. Sufficient outage must be provided so that the cylinder will not be liquid full at 55 °C (131 °F).

\* \* \* \* \*

**§ 173.304 [Amended]**

■ 16. In § 173.304, in paragraphs (b) and (d), the temperature "54 °C (130 °F)" is revised to read "55 °C (131 °F)" each place it appears.

■ 17. In § 173.304a, the following amendments are made:

■ a. In the table in paragraph (a)(2):

■ 1. The table heading is revised;

■ 2. For the entry "Dichlorodifluoromethane and difluoroethane mixture (constant boiling mixture) (R-500) (see Note 8)", in column 2, the wording "Not liquid full at 130 °F" is revised to read "Not liquid full at 131 °F";

■ 3. For the entry "Hydrogen sulfide (see Note 10)" in column one, the wording "see Note 10" is revised to read "see Notes 10 and 14";

■ 4. For the entry "Insecticide, gases liquefied (see Notes 8 and 12)", in column 2, the wording "Not liquid full at 130 °F" is removed and the wording "Not liquid full at 131 °F" is added in its place;

■ 5. For the entry "Liquefied nonflammable gases, other than classified flammable, corrosive, toxic & mixtures or solution thereof filled w/nitrogen, carbon dioxide, or air (Notes 7 and 8)", in column 2, the wording "Not liquid full at 130 °F" is revised to read "Not liquid full at 131 °F";

■ 6. For the entry "Methyl acetylene-propadiene, mixtures, stabilized DOT-3A240; (see Note 5)", in column 2, the wording "Not liquid at 130 °F" is revised to read "Not liquid full at 131 °F";

■ 7. For the entry "Tetrafluoroethylene/inhibit", in column 1, the wording is revised to read "Tetrafluoroethylene, stabilized";

■ 8. For the entry "Trifluorochloroethylene, inhibited", in column 1, the wording is revised to read "Trifluorochloroethylene, stabilized";

■ 9. For the entry "Vinyl fluoride, inhibited", in column 1, the wording is revised to read "Vinyl fluoride, stabilized";

■ 10. For the entry "Vinyl methyl ether, inhibited (see Note 5)", in column 1, the wording is revised to read "Vinyl methyl ether, stabilized"; and

■ 11. Following the table, Note 14 is added.

■ b. Paragraph (c) and the first sentence in paragraph (d)(4) are revised.

The additions and revisions read as follows:

**§ 173.304a Additional requirements for shipment of liquefied compressed gases in specification cylinders.**

(a) \* \* \*

(2) \* \* \*

Kind of gas	Maximum permitted filling density (percent) (see Note 1)	Packaging marked as shown in this column or of the same type with higher service pressure must be used, except as provided in §§ 173.301(l), 173.301a(e), and 180.205(a) (see notes following table)
Dichlorodifluoromethane and difluoroethane mixture (constant boiling mixture) (R-500) (see Note 8).	Not liquid full at 131 °F .....	DOT-3A240; DOT-3AA240; DOT-3B240; DOT-3E1800; DOT-4A240; DOT-4B240; DOT-4BA240; DOT-4BW240; DOT-4E240; DOT-9; DOT-39.
Hydrogen sulfide (see Notes 10 and 14) .....	62.5 .....	DOT-3A480; DOT-3AA480; DOT-3B480; DOT-4A480; DOT-4B480; DOT-4BA480; DOT-4BW480.; DOT-3E1800; DOT-3AL480.
Insecticide, gases liquefied (see Notes 8 and 12) .....	Not liquid full at 131 °F .....	DOT-3A300; DOT-3AA300; DOT-3B300; DOT-4B300; DOT-4BA300; DOT-4BW300; DOT-9; DOT-40; DOT-41; DOT-3E1800.
Liquefied nonflammable gases, other than classified flammable, corrosive, toxic & mixtures or solution thereof filled w/nitrogen, carbon dioxide, or air (Notes 7 and 8).	Not liquid full at 131 °F .....	Specification packaging authorized in paragraph (a)(1) of this section and DOT-3HT; DOT 4D; DOT-4DA; DOT-4DS.