



DEPARTMENT OF TRANSPORTATION

MATERIALS TRANSPORTATION BUREAU

WASHINGTON, D.C. 20590

20461

19 CFR Parts 171, 172, 173, 174, 176, 177, 178, 179

Cryogenic Liquids; Corrections and Additions.

AGENCY: Materials Transportation Bureau, Research and Special Programs Administration, Department of Transportation.

ACTION: Notice of Proposed Rulemaking; Corrections and Additions.

SUMMARY: This document makes corrections and additional changes to a notice of proposed rulemaking, Docket HM-115, Notice 79-3 (44 FR 12826), published on March 8, 1979, which proposed to amend the Hazardous Materials Regulations (49 CFR Parts 171-189) by establishing requirements for the transportation of certain cryogenic liquids.

FOR FURTHER INFORMATION CONTACT: Paul H. Seay, Jr., Office of Hazardous Materials Regulation, 2100 Second Street, S.W., Washington, D.C. 20590, 755-4906.

ADDITIONAL INFORMATION: In Docket No. HM-115, Notice 79-3, published on March 8, 1979 (44 FR 2826), is corrected and modified as follows:

1. On page 12830, in the first column, in the line of the preamble to § 173.304, "Atmospheric" is changed to "atmospheric" and immediately preceding it the words "The requirements pertaining to cryogenic hydrogen and" are added.
2. On page 12830, in the third column, in line 4 of the preamble to § 174.204, the words "hydrogen chloride, anhydrous," are added immediately before "liquefied".
3. On page 12831, in the first column, in line 7 of the preamble to § 178.57-13, "41 specification" is corrected to read "4L specification".
4. On page 12832, under the proposed amendment to § 171.7, in the second line of the third column, the reference "(viii)" is corrected to read "(ix)".

5. On page 12837, in the third column, in line 10 of the explanatory text to § 173.304, the words "the introductory text of" are deleted; in the first column, proposed paragraph (b) is revised as follows:

(b) *Filling limits.* Except for carbon dioxide and nitrous oxide, the liquid portion of a liquefied gas must not completely fill the packaging at any temperature up to and including 130°F. However, the liquid portion of vinyl fluoride, inhibited, may completely fill the cylinder at 130°F, provided the pressure at the critical temperature does not exceed one and one-fourth times the service pressure.

6. On page 12838, in the first column, in line 7 of Note 11 to proposed § 173.315, "herein" is corrected to read "therein".

7. On page 12839, in the second column, in line 4 of proposed § 173.318(b)(1)(vi), "values" is corrected to read "valves".

8. On page 12841, in the first column, in the table in proposed § 173.319(d)(2) under the column heading "Ethylene", the first entry "6.6" is deleted and placed as the first entry under the column heading "Hydrogen".

9. On page 12841, in the second column, in line 4 of proposed § 174.204(a)(2), the words "Hydrogen chloride, anhydrous," are added immediately before "liquefied".

10. On page 12843, in the third column, the formula in proposed § 178.338-1(f)(1) is corrected to read:

$$P_c = 2.6E(t/D)^{2.5} / [(L/D) - 0.45(t/D)^{0.5}]$$

On page 12845, in the first column, in the next to the last line of proposed § 178.338-7(b), "§§ 178.338-b" is corrected to read "§§ 178.338-8(b)".

12. On page 12845, in the second column, in the second line of proposed § 178.338-8(b)(1), "§§ 178.33(f)" is corrected to read "§§ 173.33(f)".

13. On page 12845, in the third column, the formulae in proposed § 178.338-9(c) are corrected to read:

1. $OWTT = \frac{MRHT-24}{2}$ for tanks with an MRHT equal to 72 hours or less.

2. $OWTT = MRHT - 48$ for tanks with an MRHT greater than 72 hours.

14. On page 12846, in the first column, in the second line of proposed § 178.338-11(b), "shu-off" is corrected to read "shut-off".

15. On page 12846, at the end of line 6 of the third column, in proposed § 178.338-13(d), "per-" is corrected to read "pre-".

16. On page 12850, in the first column, the formula in proposed § 178.400-7(c) is corrected to read:

$$t = PL(3 + \sqrt{L/r})/8SE$$

17. On page 12850, in the first column, the formula in proposed § 178.400-7(d) is corrected to read:

$$P_c = 2.6E(t/D)^{2.5} / [(L/D) - 0.45(t/D)^{0.5}]$$

18. On page 12850, in the second column, the eighth and following lines of the definition of the term "L" in proposed § 178.400-7(e)(3) are revised as follows: of the vessel, in inches. A line of support is:

(i) A stiffening ring which meets the requirements of this paragraph, or

(ii) A circumferential line of a head at one-third the depth of the head from the tangent line;

Authority: (49 U.S.C. 1803, 1804, 1808; 49 CFR 1.53; 49 CFR Part 1, App. A. and 49 CFR Part 106, App. A., paragraph (a)(4)).

Note.—The Materials Transportation Bureau has determined that the proposals in this notice if implemented would not result in a major economic impact under the terms of Executive Order 12044 and DOT implementing procedures (43 FR 9583). A regulatory evaluation is available in the public docket.

Issued in Washington, D.C. on March 29, 1979.

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[Docket No. HM-115; Notice No. 79-3]

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