



DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

12034

[49 CFR Parts 173, 178]

[Docket No. HM-22; Notice No. 74-4]

CARGO TANKS

Matter Incorporated By Reference

The Hazardous Materials Regulations Board of the Department of Transportation ("the Board") is considering amending §§ 173.33(i), 173.315(i)(13), 178.337-1, 178.337-8, and 178.337-10 of the Hazardous Materials Regulations to update the reference to The Chlorine Institute's standards for valves on chlorine tank motor vehicles. The Chlorine Institute, Inc., has petitioned the Board to effect this change to reflect current standard references and to permit the use of an alternate safety relief valve.

The Board also proposes amending the specifications for MC 331 cargo tanks by changing the ASTM reference in § 178.337-2 from ASTM A-300 to ASTM A-20; The Chlorine Institute, Inc., also has petitioned for this proposed change.

In consideration of the foregoing, it is proposed to amend 49 CFR Parts 173 and 178 as follows:

1. In § 173.33, paragraph (i)(4) would be amended and paragraph (i)(5) would be added as follows:

§ 173.33 Cargo tank use authorization.

(i)

(4) Angle valves and excess-flow valves on chlorine tank motor vehicles manufactured before (effective date of amendment) must conform to the standards of The Chlorine Institute, Inc. Angle valves must conform with Dwg. 104-4 dated May 5, 1958. Excess-flow valves conforming with Dwg. 101-4, dated May 16, 1969, must be installed under each liquid angle valve, and the excess-flow valves conforming with Dwg. 108-3 dated May 16, 1969, must be installed under each gas angle valve.

(5) Angle valves and excess-flow valves on chlorine tank motor vehicles manufactured on or after (effective date of amendment) must conform to the standards of The Chlorine Institute, Inc. Angle valves must conform with The

Chlorine Institute Dwg. 104-5 dated September 1, 1972. An excess-flow valve conforming with Dwg. 101-6 dated September 1, 1973, must be installed under each liquid angle valve and an excess-flow valve conforming to Dwg. 106-5 dated September 1, 1973, must be installed under each gas angle valve.

2. In § 173.315, paragraph (i)(13) would be amended and paragraph (i)(14) would be added as follows:

§ 173.315 Compressed gases in cargo tanks and portable tank containers.

(i)

(13) Safety relief valves on chlorine tank motor vehicles manufactured before (effective date of amendments) must be in conformance with the standard of The Chlorine Institute, Inc., Type 1½ JQ225, Dwg. H51970, dated October 7, 1968.

(14) Safety relief valves on chlorine tank motor vehicles manufactured on or after (effective date of amendment) must conform to The Chlorine Institute's Type 1½ JQ225, Dwg. H51970, dated October 7, 1968, or Type 1½ JQ225, Dwg. H50155, Revision A, dated April 28, 1969.

3. Sections 178.337-1(c)(2), 178.337-2(b), 178.337-8(b), 178.337-10(c) would be revised as follows:

§ 178.337-1 General requirements.

(c)

(2) Each chlorine tank must be equipped with a nozzle in the top of the tank. The nozzle must be fitted with a manway cover conforming to The Chlorine Institute's Dwg. 103-4 dated September 1, 1971. There shall be no other opening in the tank.

§ 178.337-2 Material.

(b) For chlorine tanks. All plates for tank, manway nozzle, and anchorage must be made of carbon steel meeting the requirements of ASTM Specifications A-612-72a, Grade B or A516-72, Grade 65 or 70 and also meeting the Charpy

V-Notch test requirements of ASTM Specification A20-72a. Impact test specimens must meet impact requirements, in both longitudinal and transverse directions of rolling of this specification at a temperature of minus 40° F.

§ 178.337-8 Outlets.

(b) Chlorine tank valves. See § 173.33 (g)(9), (i)(4), and (5) of this subchapter. Regarding chlorine tank outlets, see also § 178.337-1(c)(2) of this section.

§ 178.337-10 Protection of fittings.

(c) On each chlorine tank there shall be a protective housing and manway cover conforming to The Chlorine Institute Dwg. 137-2, dated September 1, 1971, to permit the use of standard emergency kits for controlling leaks in fittings on the dome cover plate.

Interested persons are invited to give their views in writing on this proposal. Communications should identify the docket number and be submitted in duplicate to the Secretary, Hazardous Materials Regulations Board, Department of Transportation, Washington, D.C. 20590. Communications received on or before June 28, 1974, will be considered before final action is taken on these proposals. All comments received will be available for examination by interested persons at the Office of the Secretary, Hazardous Materials Regulations Board, Room 8215, Buzzards Point Building, Second and V Streets, S.W., Washington, D.C. both before and after the closing date for comments.

Transportation of Explosives Act (18 U.S.C. 831-835); sec. 4 of the Department of Transportation Act (49 U.S.C. 1655).

Issued in Washington, D.C. on March 26, 1974.

ROBERT A. KAYE,
Board Member.

Federal Highway Administration.

[FR Dec.74-7451 Filed 4-1-74;8:45 am]