

§ 98.01-1

- 98.25-15 Markings.
- 98.25-20 Installation of cargo tanks.
- 98.25-30 Lagging.
- 98.25-35 Refrigerated systems.
- 98.25-40 Valves, fittings, and accessories.
- 98.25-45 Liquid level gaging device.
- 98.25-50 Filling and discharge pipes.
- 98.25-55 Cargo piping.
- 98.25-60 Safety relief valves.
- 98.25-65 Filling density.
- 98.25-70 Venting.
- 98.25-75 Ventilation.
- 98.25-80 Cargo hose.
- 98.25-85 Electrical bonding.
- 98.25-90 Special operating requirements.
- 98.25-95 Tests and inspections.
- 98.25-97 Nondestructive testing.

Subpart 98.30—Portable Tanks

- 98.30-1 Applicability.
- 98.30-2 Definitions.
- 98.30-3 Vessels carrying MPTs.
- 98.30-4 Vessels carrying portable tanks other than MPTs.
- 98.30-5 Materials authorized for transfer to and from a portable tank.
- 98.30-6 Lifting a portable tank.
- 98.30-7 Smoking.
- 98.30-8 Gaskets and lining.
- 98.30-9 Stowage of portable tanks.
- 98.30-10 Pipe connections, and filling and discharge openings.
- 98.30-11 Cargo pumps.
- 98.30-13 Ground connection.
- 98.30-14 Requirements for ships carrying NLSs in portable tanks.
- 98.30-15 Leakage containment.
- 98.30-17 Qualifications of person in charge.
- 98.30-19 Supervision by person in charge.
- 98.30-21 Inspection prior to transfer.
- 98.30-23 Requirements for transfer; general.
- 98.30-25 Requirements for transfer; cargo handling system.
- 98.30-27 Connections.
- 98.30-29 Piping incompatible products.
- 98.30-31 Conditions for pumping.
- 98.30-33 Warning signals.
- 98.30-35 Warning sign at gangway.
- 98.30-37 Firefighting requirements.
- 98.30-39 Alternate fire extinguishing system.

Subpart 98.31—Control of Pollution From NLS Cargoes on Oceangoing Offshore Supply Vessels

- 98.31-5 Applicability.
- 98.31-10 Certificate of inspection and NLS certificate endorsements.
- 98.31-15 Operating requirements.

Subpart 98.33—Portable Tanks for Certain Grade E Combustible Liquids and Other Regulated Materials

- 98.33-1 Applicability.

46 CFR Ch. I (10-1-06 Edition)

- 98.33-3 Cargoes authorized.
- 98.33-5 Portable tanks authorized.
- 98.33-7 Pipe and hose connections.
- 98.33-9 Stowage.
- 98.33-11 Smoking.
- 98.33-13 Cargo-handling systems.
- 98.33-15 Transfers.

AUTHORITY: 33 U.S.C. 1903; 46 U.S.C. 3306, 3307, 3703; 49 U.S.C. App. 1804; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGFR 65-50, 30 FR 17022, Dec. 30, 1965, unless otherwise noted.

Subpart 98.01—General

§ 98.01-1 Applicability.

(a) The provisions of this part shall apply to all self-propelled cargo vessels which carry in bulk any of the dangerous cargoes specifically noted in this part.

(b) [Reserved]

(c) The regulations for barges carrying any of the bulk chemical cargoes listed in subparts 98.01 through 98.25 are found in subchapter O of this chapter.

(d) [Reserved]

(e) Manned barges carrying any of the cargoes listed in Table 151.05 of this chapter will be considered individually by the Commandant and may be required to meet the applicable requirements of subchapter O of this chapter, as well as the requirements of this subchapter.

[CGFR 65-50, 30 FR 17022, Dec. 30, 1965, as amended by CGFR 70-10, 35 FR 3711, Feb. 25, 1970; CGD 84-043, 55 FR 37411, Sept. 11, 1990; 59 FR 17011, Apr. 11, 1994]

§ 98.01-3 Incorporation by reference.

(a) Certain standards and specifications are incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than the ones listed in paragraph (b) of this section, notice of change must be published in the FEDERAL REGISTER and the material made available to the public. All approved material is at the National Archives and Records Administration (NARA), and is available from the sources indicated in paragraph (b) of this section. For information on the

availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The standards and specifications approved for incorporation by reference in this part and the sections affected, are:

American Society for Nondestructive Testing (ASNT)

4153 Arlington Road, Caller # 28518, Columbus, OH, 43228-0518

ASNT "Recommended Practice No. SNT-TC-1A (1988), Personnel Qualification and Certification in Non-destructive Testing"98.25-97(c)(2)

American Society of Mechanical Engineers (ASME) International

Three Park Avenue, New York, N.Y. 10016-5990

ASME Boiler and Pressure Vessel Code, section V, Nondestructive Examination (1986)98.25-97(a)(1)

[CGD 85-061, 54 FR 50965, Dec. 11, 1989 as amended by USCG-1999-6216, 64 FR 53226, Oct. 1, 1999]

Subpart 98.25—Anhydrous Ammonia in Bulk

§ 98.25-1 Applicability.

(a) The regulations in this subpart apply to each self-propelled vessel that has anhydrous ammonia on board as a cargo, cargo residue, or vapor and that is not regulated under part 154 of this chapter.

(b) Any self-propelled vessel to which this subpart applies shall be inspected and certificated under this subchapter and subchapter D of this chapter.

[CGD 74-289, 44 FR 26008, May 3, 1979]

§ 98.25-5 How anhydrous ammonia may be carried.

(a) Anhydrous ammonia shall be carried in unfired pressure vessel type tanks independent of the structure as detailed in this part, except as otherwise provided in paragraph (b) of this section.

(b) When anhydrous ammonia is to be transported at its boiling temperature at or near atmospheric pressure, the Commandant may permit the use of alternate methods of storage if it is

shown to his satisfaction that a degree of safety is obtained consistent with the minimum requirements of this subpart.

§ 98.25-10 Design and construction of cargo tanks.

(a) The cargo tanks shall meet the requirements for Class I, I-L, II, or II-L welded pressure vessels and shall be fabricated, inspected, and tested in accordance with the applicable requirements of part 54 of subchapter F (Marine Engineering) of this chapter.

(b) Unlagged cargo tanks subject to atmospheric temperatures shall be designed for a pressure of not less than 250 pounds per square inch gage.

(c) Where unrefrigerated cargo tanks are lagged as required by §§ 98.25-30 and 98.25-60, the tanks shall be designed for a pressure of not less than 215 pounds per square inch gage.

(d) Refrigerated cargo tanks, in which the temperature of the liquid ammonia is maintained below the normal atmospheric temperatures, shall be designed for a pressure of not less than the vapor pressure corresponding to the temperature of the liquid at which the system is to be maintained, plus 25 pounds per square inch gage.

(e) Each tank shall be provided with not less than a 15"x18" diameter manhole, fitted with a cover located above the maximum liquid level and as close as possible to the top of the tank. Where access trunks are fitted to tanks, the diameter of the trunks shall be not less than 30 inches.

[CGFR 65-50, 30 FR 17022, Dec. 30, 1965, as amended by CGFR 68-82, 33 FR 18902, Dec. 18, 1968]

§ 98.25-15 Markings.

(a) Cargo tanks shall be marked in accordance with the requirements of § 54.10-20 of subchapter F (Marine Engineering) of this chapter.

(b) In addition to the markings required to be stamped on the tank, the legend, "Anhydrous Ammonia" shall be conspicuously and legibly marked upon the dome or upper portion of the tank in letters at least 4 inches high.

(c) All tank inlet and outlet connections, except safety relief valves, liquid level gaging devices and pressure gages shall be labeled to designate whether