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safety of any person, including a danger from fumigant that may be retained in bagged, baled, or other absorbent cargo. If the qualified person determines that there is a danger, the person in charge of the vessel shall take all measures that are, in his discretion, necessary to ensure the health and safety of all persons who are on board the vessel.

§ 147A.25 Entry.

(a) No person may enter the spaces that immediately adjoin the space that is fumigated during fumigation unless entry is for emergency purposes or the space is tested and declared safe for human occupancy by a marine chemist or other qualified person and is inspected under §147A.21(a)(2) or §147A.23(d).

(b) If entry is made for emergency purposes:

(1) No person may enter the space that is fumigated or any adjoining spaces during fumigation unless he wears the personal protection equipment for the fumigant that is in use;

(2) No person may enter the space that is fumigated unless the entry is made by a two person team; and

(3) No person may enter the space that is fumigated unless he wears a lifeline and safety harness and each life-line is tended by a person who is outside the space and who is wearing the personal protection equipment for the fumigant that is in use.

AFTER VENTILATION

§ 147A.31 Removal of fumigation material and warning signs.

After ventilation is completed and a marine chemist or other qualified person determines that there is no danger to the health and safety of any person under §147A.21(d) or §147A.23(g), the person in charge of fumigation, or, if the vessel has left port, the person in charge of the vessel, shall ensure that all warning signs are removed and fumigation containers and materials are removed and disposed of in accordance with the manufacturer's recommendations.

SPECIAL REQUIREMENTS FOR FLAMMABLE FUMIGANTS

§ 147A.41 Person in charge of fumigation; flammable fumigants.

(a) The person in charge of fumigation shall ensure that:

(1) Before the space that is to be fumigated is sealed, it is thoroughly cleaned, and all refuse, oily waste, and other combustible material is removed;

(2) Before fumigation, all fire fighting equipment, including sprinklers and fire pumps, is in operating condition; and

(3) Before and during fumigation, electrical circuits that are in the space that is fumigated are de-energized.

(b) [Reserved]

§ 147A.43 Other sources of ignition; flammable fumigants.

While the space that is fumigated is being sealed or during fumigation, no person may use matches, smoking materials, fires, open flames, or any other source of ignition in any spaces that are not determined to be safe for occupancy under §147A.11(b)(1)(i).

PART 148—CARRIAGE OF SOLID HAZARDOUS MATERIALS IN BULK

Subpart 148.01—General

Sec.

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Subpart 148.02—Vessel Requirements

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148.03–1 General.
148.03–3 Direction and observation.
148.03–5 Prior to loading.
148.03–7 During transport.
148.03–11 Stowage conditions.
148.03–13 Completion of off-loading.

Subpart 148.04—Special Additional Requirements for Certain Materials

148.04–1 Radioactive material, Low Specific Activity (LSA).
148.04–9 Fishmeal or scrap, ground or pelletized; fishmeal or scrap, ground and pelletized (mixture).
148.04–13 Ferrous metal borings, shavings, turnings or cuttings (excluding stainless steel).
148.04–15 Petroleum coke, uncalcined; petroleum coke, uncalcined and calcined (mixture).
148.04–17 Petroleum coke, calcined, at 130° F or above.
148.04–19 Tankage, garbage or rough ammoniate, solid.
148.04–20 Sulfur.
148.04–21 Coconut meal pellets (also known as copra pellets).
148.04–23 Unslaked lime in bulk.

AUTHORITY: 49 U.S.C. 5103; 49 CFR 1.46.

SOURCE: CGD 83–067a, 49 FR 16794, Apr. 20, 1984, unless otherwise noted.

Subpart 148.01—General

§ 148.01–1 Purpose and applicability.

(a) This part prescribes regulations under which bulk solid hazardous materials may be transported. Each master, person in charge of the vessel, owner, charterer and agent shall ensure compliance with this part and communicate the requirements of this part to every person performing any function covered by this part. Each person involved in the transportation of bulk solid hazardous materials shall comply with the requirements of this part within the scope of his job responsibilities.

(b) For the purposes of this part, the term *bulk* applies only to cargoes transported on board cargo vessels or barges without mark or count and which are to be directly loaded into the holds of such vessels or barges without containers or wrappers.

(c) For purposes of this part, the term *vessel* means a ''cargo vessel or barge'' which is not exempted under 49 U.S.C. 5107(d).

(d) For the purposes of this part, the term *transported* includes the various operations associated with the cargo transportation such as, loading, offloading, handling, storing, stowing, carrying, conveying, using, etc.

(e) The term *hazardous materials* includes a number of specific classes, the definitions of which are contained in 49 CFR parts 170–189.

[CGD 83–067a, 49 FR 16794, Apr. 20, 1984, as amended by CGD 95–028, 62 FR 51208, Sept. 30, 1997]

EFFECTIVE DATE NOTE: At 62 FR 51208, Sept. 30, 1997, § 148.01–1(c) was revised by CGD 95–028, effective Oct. 30, 1997. For the convenience of the user, the superseded text is set forth as follows:

§ 148.01–1 Purpose and applicability.

* * * * *

(c) For the purposes of this part, the term *vessel* means a ''cargo vessel or barge'' which is not exempted under 49 U.S.C. 1806(b).

* * * * *

§ 148.01–7 Permitted cargoes.

(a) The solid hazardous materials cargoes listed here may be transported in bulk on board vessels if they comply with the regulations in this part. Unlisted cargoes may be transported only if express authority is given by the Commandant in accordance with § 148.01–9 of this subpart.

Shipping name of the hazardous material	Hazard class of the hazardous materials	Characteristic properties of the material
Aluminum dross	Flammable solid	Contact with water may cause self heating and the evolution of flammable gas.
Aluminum nitrate	Oxidizing materials	If involved in a fire will greatly intensify the burning of combustible materials.
Ammonium nitrate containing not more than 80 pct ammonium nitrate and not less than 20 pct calcium carbonate with no more than 2 pct inorganic coating, in the form of uniform and nonsegregatable granular particles.	Oxidizing material	Do.
Ammonium nitrate fertilizer, formulation or mixture containing less than 60 pct ammonium with no organic filler.	.....do	Do.
Ammonium sulfate nitrate	ORM–C	If involved in a fire will intensify the burning of combustible materials.