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under this section. A copy of this list is available from the Commandant (G–MSO) at the address in § 147.5.

[CGD 84–044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 95–072, 60 FR 50465, Sept. 29, 19955; CGD 96–041, 61 FR 50731, Sept. 27, 1996; CGD 97–057, 62 FR 51048, Sept. 30, 1997]

§ 147.45 Flammable and combustible liquids.

(a) This section applies to the stowage and transfer of flammable and combustible liquids (including gasoline and diesel oil), other than liquids used as fuel for cooking, heating, and lighting under § 147.50.

(b) No flammable or combustible liquids may be stowed in any accommodation, control, or service space (other than a paint locker).

(c) No more than 19 liters (five gallons) of flammable liquids may be stowed in any machinery space. The flammable liquids must be in containers of 3.8 liters (one gallon) or less.

(d) No more than 208 liters (55 gallons) of combustible liquids may be stowed in any machinery space.

(e) An aggregate of more than 7.6 liters (two gallons) of flammable or combustible liquids stowed outside of an accommodation, control, or service, space (other than a paint locker) or outside of a machinery space must be stowed in a paint locker that is marked with a warning sign indicating flammable or combustible liquid storage.

(f) Flammable and combustible liquids used as fuel for portable auxiliary equipment must be stored in—

(1) Integral tanks that form part of the vessel's structure;

(2) An independent tank meeting the requirements of subpart 58.50 of Part 58 of this chapter;

(3) A non-bulk packaging authorized for Class 3 (flammable) liquids or combustible liquids under 49 CFR 173.201, 173.202, or 173.203, as referenced for the specific liquid in column 8B of the Hazardous Materials Table of 49 CFR 172.101.

(4) A portable outboard fuel tank meeting the specifications of ABYC H–25-81 or one identified by Underwriters Laboratories as meeting the specifications of UL 1185;

(5) A portable safety container identified by Underwriters Laboratories as meeting the specifications of UL 30 or UL 1313; or

(6) A portable safety container identified by Underwriters Laboratories as meeting the requirements of UL 1314.

(g) Each portable container of flammable or combustible liquid used for portable auxiliary equipment must be stowed in a paint locker or an open location designated by the master.

(h) Fuel tanks for portable auxiliary equipment using flammable or combustible liquids may only be refilled on a vessel—

(1) By using a container described in paragraph (f)(2), (f)(3), or (f)(5) of this section which has a capacity not exceeding 23 liters (6 gallons); or

(2) In the case of portable outboard fuel tanks described in paragraph (f)(4) of this section, in accordance with paragraph (i) of this section.

(i) Portable containers or portable outboard fuel tanks may be refilled from a larger container of flammable or combustible liquid on the weather deck of a vessel, other than a small passenger vessel subject to Subchapter T of this chapter, provided that—

(1) A drip pan of adequate size is used to collect any drippings; and

(2) At least one Coast Guard approved Type B, Size I, fire extinguisher is within three meters (9.75 feet) of the refilling location.

[CGD 84–044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 92–100, 59 FR 17001, Apr. 11, 1994; CGD 97–057, 62 FR 51048, Sept. 30, 1997]

§ 147.50 Fuel for cooking, heating, and lighting.

(a) Flammable and combustible liquids and gases not listed in this section are prohibited for cooking, heating, or lighting on any vessel, with the exception of combustible liquids on cargo vessels.

(b) Fluid alcohol is prohibited for cooking, heating, or lighting on ferry vessels. Fluid alcohol burners, where wet primed, must have a catch pan not less than ¾ of an inch deep secured inside of the frame of the stove or have the metal protection under the stove flanged up ¾ of an inch to form a pan.

(c) Containers of solidified alcohol must be secured on a fixed base.

(d) Liquefied or non-liquefied gas is prohibited for cooking, heating, and

lighting on ferry vessels, but may be used on other inspected vessels if the system in which it is used meets the applicable requirements of subpart 58.16 or subpart 184.05 of this chapter, as appropriate, or is approved by the Commandant (G–MSE).

(e) Kerosene and commercial standard fuel oil No. 1, No. 2, and No. 3 are prohibited for cooking, heating, or lighting on ferry or passenger vessels, unless the following conditions are met:

(1) Pressure or gravity feed must be used.

(2) Where wet priming is used in a cooking device, the device must have a catch pan not less than three fourths of an inch deep secured inside the frame of the device or a metal protector under the device with a least a three fourths inch flange to form a pan.

(3) Where wet priming is used, a nonflammable priming liquid must be used.

(4) Fuel tanks for fixed stoves must be separated from the stove and mounted in a location open to the atmosphere or mounted inside a compartment with an outside fill and vent.

(5) Fuel lines must have an easily accessible shut-off valve at the tank.

(6) If the fuel tank is outside of a stove compartment, a shut-off valve must be fitted at the stove.

[CGD 84–044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 83–013, 54 FR 6402, Feb. 10, 1989; CGD 95–072, 60 FR 50465, Sept. 29, 1995; CGD 96–041, 61 FR 50731, Sept. 27, 1996]

§ 147.60 Compressed gases.

(a) *Cylinder requirements.* Cylinders used for containing hazardous ships' stores that are compressed gases must be—

(1) Authorized for the proper shipping name of the gas in accordance with 49 CFR 172.101 and 49 CFR part 173;

(2) Constructed in accordance with subpart C of 49 CFR part 178 or exempted under 49 CFR part 107;

(3) Filled, marked, and inspected in accordance with 49 CFR 173.301 through 173.308; and

(4) Except as provided in § 147.65, maintained and retested in accordance with 49 CFR 173.34

(b) *Stowage and care of cylinders.* (1) Cylinders must always be secured and, when not in use, they must be stowed in a rack in an upright position, with the valve protection cap in place.

(2) Lockers or housings must be vented to the open air near the top and bottom for positive circulation of vapors.

(3) Cylinders must be protected from all sources of heat which may cause the cylinders to be heated to a temperature higher than 130° F.

(c) *Pressure vessels other than cylinders.* Pressure vessels, other than cylinders subject to paragraph (a) of this section, used for containing ships' stores that are compressed gases must—

(1) Be constructed and inspected in accordance with part 54 of this chapter; and

(2) Carry only nitrogen or air, unless permission is granted by Commandant (G–MSO) to do otherwise.

[CGD 84–044, 53 FR 7749, Mar. 10, 1988, as amended by CGD 95–072, 60 FR 50465, Sept. 29, 19955; CGD 96–041, 61 FR 50731, Sept. 27, 1996]

§ 147.65 Carbon dioxide and halon fire extinguishing systems.

(a) Carbon dioxide or halon cylinders forming part of a fixed fire extinguishing system must be retested, at least, every 12 years. If a cylinder is discharged and more than five years have elapsed since the last test, it must be retested before recharging.

(b) Carbon dioxide or halon cylinders must be rejected for further service when they—

(1) Leak;

(2) Are dented, bulging, severely corroded, or otherwise in a weakened condition;

(3) Have lost more than five percent of their tare weight; or

(4) Have been involved in a fire.

(c) Cylinders which have contained carbon dioxide or halon and have not been tested within five years must not be used to contain another compressed gas on board a vessel, unless the cylinder is retested and re-marked in accordance with § 147.60 (a)(3) and (a)(4).

(d) Flexible connections between cylinders and distribution piping of semiportable or fixed carbon dioxide fire extinguishing systems and discharge hoses in semi-portable carbon dioxide fire extinguishing systems must be renewed or tested at a pressure of 6.9