

- (12) Transfer shutdown procedures;
- (i) The person in charge of the transfer operations on the transferring vessel or facility and the person in charge of transfer operations on the receiving vessel or facility agree to begin the transfer operations; and
- (j) Each person in charge required in this subpart is present.

**§ 98.30-25 Requirements for transfer; cargo handling system.**

No person may transfer a product to or from a portable tank unless the cargo handling system meets the requirements in subpart F of part 64 of this chapter.

**§ 98.30-27 Connections.**

- (a) Each person who makes a connection for a transfer operation shall—
- (1) Use suitable material in joints and couplings to make a tight seal;
  - (2) Use a bolt in at least every other hole and in no case less than four bolts in each temporary connection utilizing an American National Standards Institute (ANSI) standard flange coupling;
  - (3) Use a bolt in each hole of couplings other than ANSI standard flange couplings;
  - (4) Use a bolt in each hole of each permanently connected flange coupling;
  - (5) Use bolts of the same size in each bolted coupling; and
  - (6) Tighten each bolt and nut uniformly to distribute the load.
- (b) No person who makes a connection for a transfer operation may use any bolt that shows signs of strain or is elongated or deteriorated.
- (c) No person may use a connection for transfer operations unless it is—
- (1) A bolted or full threaded connection; or
  - (2) A quick-connect coupling accepted by the Coast Guard.

**§ 98.30-29 Piping incompatible products.**

No person may pipe a portable tank with another tank that contains a chemically incompatible product.

**§ 98.30-31 Conditions for pumping.**

No person may start pumping a product to or from a portable tank or if started, continue to pump if—

- (a) There is an electrical storm;
- (b) A fire occurs—
  - (1) On the deck;
  - (2) On the vessel;
  - (3) In the vicinity; or
- (c) The cargo hose ruptures or leaks.

**§ 98.30-33 Warning signals.**

- (a) If the vessel is moored, no person may transfer to or from a portable tank a product with a flashpoint of less than 300° F unless the person in charge displays a—
- (1) Red flag by day; and
  - (2) Red electric lantern by night.
- (b) If the vessel is at anchor, no person may transfer to or from a portable tank a product with a flashpoint of less than 300° F unless the person in charge displays a red flag.
- (c) The signal required in paragraphs (a) and (b) of this section must be visible on all sides of the vessel.

**§ 98.30-35 Warning sign at gangway.**

If a vessel is moored, no person may transfer to or from a portable tank a product with a flashpoint of less than 300° F unless the person in charge displays at each gangway or access that is open for use a warning placard containing the following in letters 2 inches in height or larger:

WARNING

No open lights

No smoking

**§ 98.30-37 Firefighting requirements.**

No person may lift a portable tank on or off a vessel, or transfer a product with a flashpoint of less than 300° F to or from a portable tank unless—

- (a) Water pressure is maintained on the firemain;
- (b) Firehoses, fitted with a Coast Guard approved combination nozzle, are attached to each fire hydrant in the vicinity of the portable tanks;
- (c) Except as provided in § 98.30-39, fire extinguishers of a dry chemical type are—

- (1) Located to protect the deck area 10 feet in any horizontal direction from each portable tank and its associated cargo handling system;
- (2) Coast Guard approved; and