

OPEN HEAD CLOSURE NOTIFICATION

Product Type: P11

Country: USA

Pursuant to the requirements of the Department of Transportation in CFR 49 Part 178.2(c)(1), this is your notification of the closing method used for the containers sold to you. This method of closure should be used to ensure that your containers have been closed in the same manner as when they were initially tested.

To be UN certified, this drum must be closed with the same cover and closing ring used for certification. If drum is purchased without these parts, contact the supplying Greif plant for the correct cover and closing ring.

Your product may adversely affect container materials, bung threads, or closing devices. Product compatibility with the container is the shipper's responsibility.

These instructions for closure are based upon the closure methods used to enable these containers to pass the United Nations test requirements as outlined by the UN marking on the package.

The closure recommendations do not take into account any hazards present at your facility, or the handling, filling or shipping of your product.

Any container used for packaging hazardous materials should be inspected before filling and shipment. Containers with obvious damage or deterioration should not be filled or shipped.

To Close:

1. Covers supplied with the drums must be attached to the drums with lever-action or bolt ring locking bands, as supplied with the drums.
2. Place the plastic cover on the top of the open head plastic drum.
 - a. Steel lever-action locking band – The channel shaped locking band is drawn around the cover by the lever closing device and secured in place with a latch device. Snap the latch into the lever until it locks, then apply a sealing wire or other sealing device through the holes on the latch lever.
 - b. Plastic lever-action locking bands – The channel shaped locking band is drawn around the cover by the lever closing device. The lever closing device is secured in place with the locking tab that protrudes through a slot in the handle. Snap the latch into the lever until it locks, then apply a sealing wire or other sealing device through the holes on the latch lever.
 - c. Bolt-Ring locking band – Place the locking band around the cover and top lip of the drum with the ring's lugs pointing down.
 - i. If one of the lugs is threaded, insert the bolt first through the unthreaded lug, then screw on the jam nut, if included. Then thread the bolt through the threaded lug. Jam nut should be between the lugs.
 - ii. If both lugs are unthreaded, insert the bolt completely through both lugs and screw on the jam nut to the outside of the second lug.
 - iii. If a shoulder bolt is used, insert the bolt completely through both lugs.Once the bolt and nut, if used, are in place, tighten the bolt until the ends of the locking band (not lugs) is no more than 1/2". Also verify that the cover and ring do not spin.

3. For covers with fittings: 2" fittings bearing NPS thread must be tightened to a torque level of 9 FT-LBS, and 3/4" fittings bearing NPS threads must be tightened to a torque level of 3 FT-LBS.
4. Drums closed in this manner have met the UN performance test requirements as specified in the container markings.

TIGHT HEAD CLOSURE NOTIFICATION

Product Type: PTH

Country: USA

Pursuant to the requirements of the Department of Transportation in CFR 49 Part 178.2(c)(1), this is your notification of the closing method used for the containers sold to you. This method of closure should be used to ensure that your containers have been closed in the same manner as when they were initially tested.

Your product may adversely affect container materials, bung threads or closing devices. Product compatibility with the container is the customer(s)/filler(s) responsibility.

These instructions for closure are based upon the closure methods used to enable these containers to pass the United Nations test requirements as outlined by the UN marking on the package.

The closure recommendations do not take into account any hazards present in your facility, or the handling, filling or shipping methods used by your facility.

Any containers used for packaging hazardous materials should be inspected prior to filling and shipment. Containers with obvious damage or deterioration should not be filled or shipped.

To Close:

1. Openings in tight head plastic drums **must be** fitted with plugs bearing NPS and/or buttress threads.
2. Plugs must be fitted with gaskets appropriate to the plug size and design.
3. Plugs must be placed into the appropriate openings and tightened to the following torque levels:
 - a. 2" NPS or Buttress = 20 ft-lbs
 - b. 2.6" NPS or Buttress = 18 ft-lbs
 - c. 56x4 European Buttress = 20 ft-lbs
 - d. 3/4" NPS or Buttress = 9 ft-lbs

Manufacturer Specific:

 - e. Micromatic 2" poly fittings = 20 ft-lbs
 - f. Micromatic 2" steel Buttress dip tube valve = 25 ft-lbs
 - g. Taylor Cain 2" Buttress, micro valve or dry break valve = 25 ft-lbs
 - h. Taylor Cain 2" NPS or 2" Buttress agitator fitting = 20 ft-lbs
 - i. Taylor Cain 3/4" or 1" fitting = 2 ft-lbs
 - j. Dynamix 2" Buttress agitator fitting = 20 ft-lbs
 - k. AS Plastics 2" Buttress dip tube plug or 2" NPS Combo plug = 24.34 ft-lbs
 - l. AS Plastics 3/4" fitting = 3.69 to 4.43 ft-lbs
 - m. ASV Plastics 2" Buttress Dry Break, Microvalve or Agitator fitting = 25 ft-lbs
 - n. Colder Products DrumQuik Buttress drum insert = 20 ft-lbs
4. Drums closed in this manner have met the UN performance test requirements as specified in the container markings.