



U.S. Department  
of Transportation

July 29, 2010

East Building, PHH - 30  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 11178  
(NINTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATIONS:
  - a. This special permit authorizes the transportation in commerce of bromine, Class 8, Hazard Zone A, in a non-DOT specification portable tank constructed of 1/4 inch thick mild steel with 1/4 inch lead lining. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
  - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Column (7) Special Provisions T-22 and § 173.249(f) in that alternative packaging is authorized, as specified herein.
5. BASIS: This special permit is based on the Pipeline and Hazardous Materials Safety Administration's (PHMSA) editorial review under § 107.121 initiated on December 4, 2008.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Bromine or Bromine solutions	8	UN1744	PG I, Hazard Zone A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification portable tank designed, constructed and stamped in accordance with Section VIII Division I of the ASME Code, and in full conformance with DOT IM 101 portable tanks except it is not marked IM 101 and it is not fitted with pressure relief valves. The portable tank must conform with the Gulf Coast Alloy Welding Inc., drawing number D-2294, sheets 1-3 dated May 7, 1994, on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA).

b. TESTING - Each portable tank must be hydrostatically tested as required by the ASME Code at the time of manufacture and additionally must be reinspected and retested once every five years in accordance with all applicable requirements of § 186.105 as prescribed for DOT Specification IM 101 portable tanks.

c. MARKING - Each portable tank must be marked "DOT-SP 11178" on the specification plate in place of the "IM- 101" specification marking.

d. OTHER SPECIFICATIONS -

Design Service pressure (MAWP).... 75 psig.  
 Test pressure..... 112.5 psig.  
 Volume..... 125 gallon water capacity  
 (nominal).  
 Material..... SA 516 Gr. 70, Heads; SA-  
 36 plate.  
 Outside diameter..... 30 inches, nominal.  
 Length..... 63.75 inches, nominal.  
 Head thickness..... 0.250 inch, min.

July 29, 2010

Sidewall thickness.....	0.250 inch, min.
Openings - Sidewall.....	none
Openings - head.....	2 inch, 150psig rated flanged ball valve.
Pressure relief devices.....	none
Welded attachments.....	2-valve cover lifting lugs.
Lining.....	0.25 inch layer of bonded lead

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. Shippers using the packaging covered by this special permit must comply with all provisions of this special permit, and all other applicable requirements contained in 49 CFR Parts 171-180.

d. Each portable tank must be visually inspected after each use for damage to the lining and corrosion to the tank.

e. Each portable tank must be secured to the motor vehicle in conformance with the requirements of 49 CFR 393.100 through 393.106.

f. Each portable tank must be plainly and durably marked on opposite sides of the tank in letters and numerals at least 2 inches high on a contrasting background, "DOT-SP 11178".

g. Each portable tank must be labeled in accordance with Subpart E of Part 172.

h. Each portable tank must be marked as prescribed in § 172.313 for materials which are poisonous by inhalation. (Note: shipping papers must also be marked in accordance with § 172.203(m)).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law 49 U.S.C. 5101 et seq.:
  - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Each "Hazmat employee" as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm) Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: sln