



U.S. Department  
of Transportation

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

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 7594  
(TWELFTH REVISION)

**EXPIRATION DATE: January 31, 2014**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Bromine Compounds, Ltd.  
Beer Sheva, Israel  
(U.S. Agent: ICL-IP America, Inc., South  
Charleston, West Virginia)
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of Methyl bromide in a non-DOT specification portable tank. 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.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.315 in that a non-DOT specification portable tank is not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of Bromine Compounds, Ltd, dated October 28, 2010 submitted in accordance with § 107.109

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> |
| Methyl Bromide                         | 2.3                           | UN1062                       | Hazard Zone C        |

7. SAFETY CONTROL MEASURES: Packaging prescribed is a non-DOT specification portable tank designed and constructed in accordance with Tankfabriek-Kooiman, Inc.'s drawing No. NV # D-CD81 Rev. VI and referenced drawings, calculations and technical data submitted with the November 15, 1976 and April 13, 1977 applications on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA). The tank must comply with the following:

- (1) Code--Complies with the ASME Section VIII Div. 1 but not certified, and with IMO Type 5 specification enclosed in an ISO type 1C frame.
- (2) Insulation - None.
- (3) Number of Compartments - 1.
- (4) Tank Size (inches)-(outside dia.) X Length X Thickness  
79.2 X 188 X .475 nominal  
Head Thickness - .475 nominal.
- (5) Water capacity (U.S. Gallons) - 2,625.
- (6) Material - Y36/50W equivalent to ASTM A516Gr70.
- (7) Design Pressure (PSIG) - 213.3.

Note: Design pressure means "maximum allowable pressure (MAWP)" as used in the ASME Code.

- (8) Test Pressure, Minimum (PSIG) - 386. Retest - 320 psi.
- (9) Openings - 18 inch manhole, top; and other openings.
- (10) Tank surface area (square feet) - 365.

(11) Safety Relief Devices - Two 1-1/2 spring loaded safety relief valves set at 234 psig. Total venting capacity equals 300,000 SCFH.

Spring loaded valves must be set to open at not less than design pressure and not more than 130 percent of design pressure.

(12) G-Loadings: Vertical down 2; Vertical up 1; Longitudinal 2; and Transverse 1.

(13) Maximum Gross Weight - 44,800 pounds.

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. Drivers must be instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire, or accident.

d. Each tank must be (i) visually inspected prior to each trip to ensure that it has not been damaged on the previous trip; (ii) visually inspected at least once in every 2-1/2 years in accordance with the provisions of § 180.605; and (iii) pressure tested at least once every 5 years, one and one-half times the design pressure plus static head.

e. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background "DOT-SP 7594."

f. Hydrostatic test certificate for each tank must be on file with OHMSPA prior to the first shipment.

g. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel and 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.

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.

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.

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.

PO: mn