



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

APR 30 2002

DOT-E 7594  
(SEVENTH REVISION)

EXPIRATION DATE: April 30, 2004

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Bromine Compounds, Ltd.  
Beer Sheva, Israel  
(U.S. Agent: Ameribrom, Inc., Fort Lee, New Jersey)
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of Methyl bromide in a non-DOT specification portable tank. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this exemption 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 exemption is based on the application of Bromine Compounds, Ltd. dated February 15, 2002, submitted in accordance with § 107.109 and additional information dated April 4 and 29, 2002.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
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 Exemptions and Approvals (OHMEA). 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 exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption 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-E 7594."

f. Hydrostatic test certificate for each tank must be on file with OHMEA 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.

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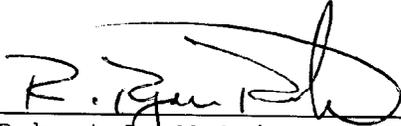
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and motor vehicle used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - 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 exemption must receive training on the requirements and conditions of this exemption in addition to the training required by § 172.700 through § 172.704.

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

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

  
\_\_\_\_\_  
for Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

APR 30 2002  
\_\_\_\_\_  
(DATE)

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.  
Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: AM