U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 9742 (EXTENSION)
ORIGINAL August 18, 1987

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 9742 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to July 31, 1996. This change is effective from the issue date of this extension. All other terms of the exemption remain unchanged.

This extension applies only to party(ies) listed below based on the application(s) received in accordance with 49 CFR 107.105. This extension constitutes a necessary part of this exemption and must be attached to it.

Suzanne Hedgepeth

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

AUG 24 1994
(DATE)

Dist: FHWA FRA USCG

EXEMPTION HOLDER	APPLICATION DATE
Bromine Compounds, Limited Beer-Sheva, Isreal (U.S. AGENT: Bromine Compounds, Ltd. c/o Ameribrom, Inc. New York, NY)	July 6, 1994

ADVISORY

IF YOU ARE A HOLDER OF AN EXEMPTION THAT AUTHORIZES THE USE OF A PACKAGING WITH A MAXIMUM CAPACITY LESS THAN 450 L (119 GALLONS) OR A MAXIMUM NET MASS LESS THAN 400 KG (882 POUNDS), PLEASE BE ADVISED THAT YOUR EXEMPTION MAY NOT BE RENEWED BEYOND SEPTEMBER 30, 1996. IN ADDITION, NO NEW CONSTRUCTION OF PACKAGINGS WHICH FALL WITHIN THE NON-BULK CAPACITIES LISTED ABOVE ARE AUTHORIZED AFTER SEPTEMBER 30, 1994. THIS IS CONSISTENT WITH THE IMPLEMENTATION OF THE NEW PACKAGING REQUIREMENTS ADOPTED UNDER DOCKET HM-181. ANY APPLICATION SUBMITTED TO THIS OFFICE TO RENEW AN EXEMPTION BEYOND THE SEPTEMBER 30, 1996 DATE WILL BE DENIED UNLESS THE APPLICATION CONTAINS SUPPORTING INFORMATION TO JUSTIFY THE CONTINUATION OF THE EXEMPTION.

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DOT-E 9742

AUG 18 1987

1. M 1 Engineering, Limited Bradford, West Yorkshire, England (U.S. Agent W. R. Zanes & Co., New Orleans, Louisiana) is hereby granted an exemption from those provisions of this Department's Hazardous Materials Regulations specified in paragraph 5 below to offer packages prescribed herein of methyl bromide for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the shipment of methyl bromide liquid in a non-DOT specification portable tank and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on M 1 Engineering, Limited's application dated March 5, 1987 and supplemental information dated April 30, 1987 and May 14, 1987, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Methyl bromide, liquid classed as poison B.

4. PROPER SHIPPING NAME (49 CFR 172.101). Methyl bromide, liquid

5. REGULATION AFFECTED. 49 CFR 173.353, 178.245

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, rail freight, cargo vessel.

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a non-DOT specification portable tank meeting all the requirements of a DOT Specification 51 portable tank except the tank is not marked with the ASME Code "U" stamp. Tank is mounted in an ISO frame and designed and constructed in accordance with M 1 Engineering, Limited drawings nos. C-262260/D, B-601211/A, B-762175/B, other drawings, technical specifications and calculations on file with the Office of Hazardous Materials Transportation (OHMT), and in compliance with the following:

(1) Code - Complies with DOT Specification 51 except that tanks are not marked with the ASME Code "U" stamp.

(2) Insulation - None

(3) Water capacity (U.S. Gallons) - 3435

(4) Material - BS1501-224-490B LT50 carbon steel

		(outside dia.)	X (length)	X (thickness)
(5)	Tank Size (inches)	67.91	234.88	0.51(min)

Head Thickness - 0.48 (min)
Weld Joint Efficiency - 1.0
Corrosion Allowance - 0.0

(6) Design Pressure (psig) - 250 psig
Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.

(7) Test Pressure - 375 psig

(8) Openings - one (1) - 4.0 inch diameter opening for the pressure relief device on the top; one (1) - 19.7 inch manhole opening the top; one (1) - 2.0 inch opening for the vapor phase in the manhole closure and one (1) -3.0 inch opening for the liquid phase in the manhole closure.

Note: Liquid and vapor valves are fitted with a remotely operated internal shut-off valve and excess flow valves.

(9) Tank surface area (square feet) - 363

(10) Pressure Relief Devices - One (1) 4.0 inch diameter spring loaded safety relief valve set at 250 psig. Total relief capacity is 600,063 SCFH.

(11) G-Loadings: Vertical 3; Longitudinal 2; and Transverse 1.

(12) Maximum Gross Weight (pounds) - 52,800

(13) Maximum Commodity Weight (pounds) - 40,480

(14) Tare Weight (pounds) - 12,320

(15) Design Specific Gravity - 1.6

(16) Design Temperature (degrees F) - 149

8. SPECIAL PROVISIONS.

a. Persons who receive packages covered by this exemption may reship them pursuant to the provisions of 49 CFR 173.22a.

b. A copy of this exemption must be carried aboard each vessel used to transport packages covered by this exemption.

c. Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

d. For each portable tank, the manufacturer must prepare a certificate which must be signed by a responsible official of the manufacturer and an independent inspection agency certifying that the portable tank is designed and constructed in accordance with the ASME Code and this exemption. The certificate for the first portable tank must be submitted to the OHMT prior to the initial shipment.

e. The construction of all portable tanks authorized by this exemption started after July 31, 1987 must be in full conformance with the ASME Code including the "U" stamp.

f. Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; and (ii) retested once every five (5) years in accordance with 49 CFR 173.32 as prescribed for a DOT Specification 51 portable tanks.

g. 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 9742".

h. A test report documenting a satisfactory ISO prototype test for this tank design must be on file with the OHMT prior to the first shipment.

i. Each tank must be filled by weight.

j. 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.

k. DOT-E 9742 must be stamped on the metal manufacturer's date plate on the line which reads "U.S. DOT Specification No."

9. REPORTING REQUIREMENTS.

a. The owner of the tanks covered by this exemption shall provide to the OHMT a list of all shippers who have shipped under this exemption and a shipping experience report every six months from the effective date of this exemption. This shipping experience report shall contain approximate number of shipments made during the previous six months and any difficulties encountered.

b. The holder of this exemption, as identified in paragraph 1 above, shall contact the OHMT immediately after any of the tanks covered by this exemption are sold to another party.

c. Shippers who ship under the terms of this exemption shall report any incident involving loss of contents of the tanks described herein to the OHMT as soon as practicable.

10. EXPIRATION DATE. May 31, 1989.

Issued at Washington, D.C.:

Joseph T. Herring
for Alan I. Roberts
Director
Office of Hazardous Materials
Transportation

AUG 18 1987
(DATE)

Address all inquiries to: Director, Office of Hazardous Materials Transportation, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Exemptions Branch.

Dist: FHWA, FRA, USCG