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

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

DOT-E 8606 (EXTENSION)
ORIGINAL October 23, 1981

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 8606 is hereby extended by changing the expiration date in paragraph 10 from August 15, 1987 to July 15, 1989.

This extension applies only to party(s) listed below based on the application(s) received in accordance with 49 CFR 107.105. All other terms of the exemption remain unchanged. This extension forms part of the exemption and must be attached to it.

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

AUG 20 1987
(DATE)

Dist: FHWA USCG

EXEMPTION HOLDER	APPLICATION DATE
Makhteshim Darom (Ramat Hovav) Ltd. Beer Sheva, Israel (U.S. AGENT: Makhteshim-Agan (America), Inc New York, NY)	June 8, 1987

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DOT-E 8606

1. Bleiwerk - Goslar KG, Goslar, F. R., Germany, (U.S. Agent: Solchem, Inc., New York, New York), is hereby granted an exemption from those provisions of this Department's Hazardous Materials Regulations specified in paragraph 5 below to offer the packaging described in paragraph 7 below for use in the transportation of the flammable gas described in paragraph 3 below in commerce subject to the requirements specified herein. This exemption authorizes the use of a non-DOT Specification IMCO Type 5 portable tank, and provides no relief from any regulation other than as specifically stated. Each of the following is hereby granted the status of a party to this exemption:

Makhteshim Darom, BeerSheva, Israel, (U. S. Agent: Solchem, Inc., New York, N.Y.) PTE-1.

2. BASIS. This exemption is based on Solchem, Inc. application dated March 23, 1981 and additional information submitted by Solchem Inc. on August 20, 1981 submitted in accordance with 49 CFR 107.103 and the public proceeding thereon. The granting of party status is based on the following application(s) submitted in accordance with 49 CFR 107.111 and the public proceeding thereon:

Makhteshim Darom, application dated May 12, 1981.

3. HAZARDOUS MATERIALS (Descriptor and class). Monomethylamine - classed as flammable gas; and flammable gases specifically identified to, and acknowledged in writing by, the Office of Hazardous Materials Regulation (OHMR) prior to the first shipment.

4. PROPER SHIPPING NAME (49 CFR 172.101). Methylamine anhydrous.

5. REGULATION AFFECTED. 49 CFR 173.315.

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

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a non-DOT specification portable tank, mounted in ISO frame, designed and constructed in accordance with Bleiwerk Goslar KG drawings 80-1-6375.00 and 80-0-6358.00a, other drawings, technical specifications and calculations on file with the Office of Hazardous Materials Regulation (OHMR), and in compliance with the following:

(1) Code—Complies with ASME Code (not marked); IMCO Type 5.

(2) Water Capacity (U. S. Gallons)—4,860.

(3) Material—German Steel St E36 with yield strength of 51,225 psi and a tensile strength of 71,138 psi.

		(outside dia.)	X (length)	X (thickness)
(4)	Tank Size (inches)	82.677	230.315	0.6299

Head Thickness— 0.6693
Weld Joint Efficiency— 1.0
Corrosion Allowance— 0.0295

(5) Design Pressure (PSIG)— 228
Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.

(6) Test Pressure, Minimum (PSIG)— 342.

(7) Openings— one(1) 19.7 inch diameter manhole containing the liquid fill and discharge assembly, vapor line assembly and the connection manometer and one (1) safety relief device connection on top; no bottom outlets.

(8) Tank Surface Area (square feet)— 460.

(9) Safety Relief Devices— one (1) spring loaded safety relief valve outboard of and in series with a rupture disc both set at 250 psig. Minimum relief device capacity is 277,740 SCFH.

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

(11) Maximum Gross Weight (pounds)— 52,910.

(12) Maximum Commodity Weight (pounds)— 38,426.

(13) Tare Weight (pounds)— 14,484.

(14) Design Specific Gravity— 0.95.

8. SPECIAL PROVISIONS.

a. Shippers may use the packaging(s) covered by this exemption pursuant to the 49 CFR 173.22a.

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

c. 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 8606."

d. No product may be shipped that has venting requirements exceeding 277,740 SCFH, or has a specific gravity greater than 1.19. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) pamphlet S-1.2.

e. The tank must be filled so as not to be liquid full at less than or equal to 130°F.

f. Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; (ii) visually inspected at least once every 2-1/2 years in accordance with the provisions of 49 CFR 177.824; and (iii) pressure tested at least once every 5 years, at one and one-half times the design pressure.

g. In addition to the requirements specified above, the results of a prototype test report must be on file with the OHMR prior to the first shipment. Test certificates for each tank must be kept on file by the manufacturer or owner at its principal business office and be made available to the OHMR upon request.

9. REPORTING REQUIREMENTS.

a. The owner of the tanks covered by this exemption shall provide to the OHMR a list of all shippers who have shipped under the exemption and a shipping experience report every six months from the effective date of this exemption. The 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 OHMR 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 OHMR as soon as practicable.

10. EXPIRATION DATE. October 1, 1983.

Issued at Washington, D.C.:

OCT 23 1981

Alan I. Roberts
Associate Director for
Hazardous Materials Regulation
Materials Transportation Bureau

(DATE)

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

Dist: USCG, FHWA.