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


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.

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Dist: FHWA USCG

EXEMPTION HOLDER

Makhteshim Darom (Ramat Hovav) Ltd.
Beer Sheva, Israel
(U.S. AGENT: Makhteshim-Agan (America), Inc
New York, NY)

AUG 20 1987

(Date)
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:


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.


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
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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.
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4. 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.:

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

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.