U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 9718 (EXTENSION)
FIRST REVISION September 19, 1994

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 9718 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to April 30, 1998. 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.

JUN 6 1996

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

(DATE)

Dist: FHWA FRA USCG

| EXEMPTION HOLDER | APPLICATION DATE |
|---|---|
| Eurotainer SA, Inc.<br>Paris, France<br>(U.S. AGENT: Eurotainer US, Inc.<br>Somerset, NJ) | April 3, 1996 |

EXPIRED - NOT ACTIVE

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SEP 19 1994

DOT-E 9718
(FIRST REVISION)

1. Eurotainer, S.A., Paris, France (U.S. Agent: Eurotainer US, Inc., Somerset, New Jersey) is hereby granted an exemption from provisions of this Department's Hazardous Materials Regulations to offer packages of Division 2.1 (flammable) and Division 2.2 (nonflammable) gases for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the shipment of Division 2.1 (flammable) and Division 2.2 (nonflammable) gases 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 Eurotainer's application dated May 2, 1994, submitted in accordance with 49 CFR 107.105.

3. HAZARDOUS MATERIALS (Descriptor and class). Ammonia, anhydrous dichlorodifluoromethane classed as a Division 2.2; Butadiene, inhibited; Butane; Butylene; 1, 1 Difluoroethane; Dimethyl ether; Ethyl chloride; Isobutylene; Methylamine, anyhdrous; Methyl chloride; Propylene; 1, 1, 1, 2 - tetrafluoroethane; Trimethylamine, anhydrous; Vinyl chloride, inhibited; Isobutane mixtures; and Propane classed as Division 2.1 or any other Division 2.1 or Division 2.2 gas specifically identified to, and acknowledged in writing by, the Office of Hazardous Materials Exemptions and Approvals (OHMEA) prior to the first shipment.

4. PROPER SHIPPING NAME (49 CFR 172.101). Generic commodity description or specific commodity name as appropriate.

5. REGULATION AFFECTED. 49 CFR 173.315, 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 ASME Code, "U" stamped portable tank mounted in an ISO frame designed and constructed in accordance with Bignier Schmid-Laurent drawings nos. ENS 534054-1&2, COF 534054-1 and DET 534054-1, other drawings, technical specifications and calculations on file with the OHMEA, and in compliance with the following:

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(1) Code - Complies with DOT Specification 51 except that tanks have bottom outlets.

(2) Insulation - None

(3) Water capacity (U.S. Gallons) - 6,427

(4) Material - SA 738 Gr A Steel

| | (outside dia.) | X (length) | X (thickness) |
|---|---|---|---|
| (5) Tank Size (inches) | 95.28 | 238.50 | 0.803(min) |

Head Thickness - 0.744 (min)
Weld Joint Efficiency - 1.0
Corrosion Allowance - 0.0

(6) Design Pressure (psig) - 316 psig

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

(7) Test Pressure - 474 psig

(8) Openings - one (1) - 10.75 inch diameter opening for the pressure relief devices on the top; one (1) - 17.72 inch manhole opening on the head; one (1) - 3.69 inch opening for the vapor phase on the bottom and one (1) - 3.69 inch opening for the liquid phase on the bottom.

(NOTE: Each bottom outlet valve must be provided with a shear section that meets the requirements of 49 CFR 178.337-12; and fitted with a remotely operated internal shut-off valve).

(9) Tank surface area (square feet) - 555

(10) Pressure Relief Devices - One (1) 3.15 inch diameter spring loaded safety relief valve set at 319 psig in series with and outboard of one (1) 3.15 inch rupture disc set at 333.8 psig. Total relief capacity is 1,287,054 SCFH.

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

(12) Maximum Gross Weight (pounds) - 67,056

(13) Maximum Commodity Weight (pounds) - 44, 176

(14) Tare Weight (pounds) - 22,880

(15) Design Specific Gravity - 0.85

(16) Design Temperature (degrees F) - 131.

8. SPECIAL PROVISIONS.

a. Persons who receive packages covered by this exemption may reoffer them for transportation provided no modifications or changes are made to the packages, all terms of this exemption are complied with, and a current copy of this exemption is maintained at each facility from which such reoffering occurs.

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. No product may be shipped that has venting requirements exceeding that specified in paragraph 7.a. above. 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. Each tank must be (1) 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 tank.

f. 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 9718".

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

h. The tank must be filled by weight in accordance with the provisions of 49 CFR 173.315.

i. 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.

j. DOT-E 9718 must be stamped on the metal manufacturer's data plate on the line which reads "U.S. DOT Specification No.".

9. REPORTING REQUIREMENTS.

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

b. Each packaging manufactured under the authority of this exemption must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated for a specific manufacturing facility.

10. EXPIRATION DATE. June 1, 1996.

Issued at Washington, D.C.:

SEP 19 1994

J. Suzanne Hedgepeth

Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

(DATE)

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

Dist: FHWA, FRA, USCG.