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

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

MAY 13 1998

DOT-E 9142
(FIRST REVISION)

EXPIRATION DATE: April 30, 2000

(FOR RENEWAL, SEE 49 CFR SECTION 107.109)

1. GRANTEE: Eurotainer SA
Paris, France (U.S. Agent: Eurotainer US, Inc. Somerset, NJ)

2. PURPOSE AND LIMITATION: This exemption authorizes the use of a non-DOT specification IMO Type 5 portable tank containing the material described in paragraph 6 below. This exemption provides no relief from any regulation other than as specifically stated herein.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 173.315 and 178.245.

5. BASIS: This exemption is based on the application of Eurotainer US, Inc., dated March 30, 1998, submitted in accordance with 49 CFR 107.109.

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous materials description -- proper shipping name	Hazard Class/ Division	Identi-fication Number	Packing Group
Bromotrifluoromethane	2.2	UN1009	n/a

7. SAFETY CONTROL MEASURES:

a. Packaging prescribed is a non-DOT specification portable tank, mounted in ISO frame, designed and constructed in accordance with Westerwalder Eisenwerk (WEW) drawings CS-791-1c, and CS-791-3a and WEW list of drawings CS-791, technical specifications and calculations on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA) and in compliance with the following:

(1) Code-Complies with DOT Specification 51 except that tanks are not ASME Code stamped and have bottom outlets; IMO Type 5.

(2) Insulation-None

(3) Water Capacity (U.S. Gallons)-3,857

(4) Material-German steel TT St E 43; tensile strength - 79,750 psi; yield strength - 59, 450 psi; Equivalent to ASTM SA 737 Grade C.

	(Outside dia.)	X (length)	X (thickness)
(5) Tank Size (inches)	74.80	226.38	0.827

Head Thickness - 0.886
Weld Joint Efficiency - 1.0
Corrosion Allowance - 0.039
Number of Baffles - 2

(6) Design Pressure (PSIG) - 409

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

(7) Test Pressure, Minimum (PSIG) - 613.5

(8) Openings - One(1), 28.6 inch diameter manhole opening pad on the head; one(1), 9.8 inch diameter pressure relief device opening pad on the top; and one(1), 9.0 inch diameter liquid phase opening pad and one(1) 9.0 inch diameter vapor phase opening pad on the bottom.

Note: Each bottom outlet valve shall be provided with a shear section that meets the requirements of 49 CFR 178.337-12.

(9) Tank surface area (square feet) - 406.

(10) Pressure Relief Devices - One(1), 3.94 inch diameter spring loaded safety relief valve set at 409 psig. Total relief device capacity is 2,178,747.

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

(12) Maximum Gross Weight (pounds) - 67,200.

(13) Maximum Commodity Weight (pounds) - 46,697.

(14) Tare Weight (pounds) - 20,503

(15) Design Specific Gravity - 1.45

(16) Design Temperature Range(1/4F) - 14 to 122.

8. SPECIAL PROVISIONS:

a. Shippers may use the packaging covered by this exemption pursuant to 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. 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 9142".

d. 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.

e. No product may be shipped that has venting requirements exceeding 2,178,747 SCFH, or has a specific gravity greater than 1.81. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) pamphlet S-1.2.

f. 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.

g. The tank must be filled in accordance with the provisions of 49 CFR 173.315.

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

portable tanks.

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 9142 must be stamped on the metal manufacturer's data plate on the line which reads "U.S. DOT Specification No.".

k. Persons who receive the 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.

l. Shippers using the packaging covered by this exemption must comply with all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 171-180.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS:

A copy of this exemption must be carried aboard each cargo vessel or 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. Section 5101 et seq:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- Registration required by 49 CFR 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in 49 CFR 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 49 CFR 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