U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 9134 (EXTENSION)
ORIGINAL February 16, 1984

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 9134 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to September 30, 1994. 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.

for Suzanne Heppert

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

AUG 27 1993
(DATE)

Dist: FHWA FRA USCG

EXEMPTION HOLDER	APPLICATION DATE
Rhone-Poulenc Chemicals Ltd. Watford, England (U.S. AGENT: CT Corporation Ner York, NY)	April 13, 1993

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DOT-E 9134

1. I.S.C. Chemicals Limited, Bristol, England (U.S. Agent: CT Corporation System, Washington, .D.C.) 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 certain corrosive materials for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the use of non-DOT Specification IMO Type 5 portable tanks, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on I.S.C. Chemicals Limited's application dated August 2, 1983, and additional information dated October 25 and November 15, 1983, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Hydrofluoric acid solution (70% by weight hydrofluoric acid) and anhydrous hydrofluoric acid; classed as corrosive materials.

4. PROPER SHIPPING NAME (49 CFR 172.101). Hydrofluoric acid solution or hydrogen fluoride, as appropriate.

5. REGULATION AFFECTED. 49 CFR 173.264, 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, mounted in ISO frame, designed and constructed in accordance with Universal Bulk-Handling Equipment Limited drawings A 2056/831 dated June 9, 1983, and 3440/834 dated May 3, 1983, 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 DOT Specification 51 except the tanks are not ASME Code stamped; IMO Type 5.

(2) Insulation — None

(3) Water Capacity (U.S. Gallons) — 4,625

(4) Material — British steel specification BS 1501, Grade 490B LT 50; Tensile strength - 71,050 psi; Yield strength - 38,425 psi.

		(outside dia.)	X (length)	X (thickness)
(5)	Tank Size (inches)	81.77	232.0	0.512

Head Thickness — 0.512
Weld Joint Efficiency — 1.0
Corrosion Allowance — 0.0
Number of Baffles — 1

(6) Design Pressure (PSIG) — 100
Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.

(7) Test Pressure, Minimum (PSIG) — 150

(8) Openings — One(1), 18 inch diameter manway containing an excess flow valve, filling/discharge connections and a blank flange; one(1), 3 inch diameter pressure relief device opening; and one(1), 2 inch diameter pressure vent opening on the top; no bottom outlets.

(9) Tank surface area (square feet) — 434

(10) Pressure Relief Devices — One(1), 2.5 inch diameter spring loaded safety relief valve outboard of and in series with one(1), 3.0 inch diameter rupture disc all set at 105 psig. Total relief device capacity is 408,480 SCFH.

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

(12) Maximum Gross Weight (pounds) — 53,760

(13) Maximum Commodity Weight (pounds) — 39,760

(14) Tare Weight (pounds) — 14,000

(15) Design Specific Gravity — 1.03

(16) Design Temperature (°F) — 140

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 9134".

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. 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; and (ii) retested and reinspected once every five(5) years in accordance with 49 CFR 173.32 as prescribed for DOT Specification 51 portable tanks.

g. 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.

h. DOT-E 9134 must be stamped on the metal manufacturer's data plate on the line which reads "D.O.T. Specification No.".

i. This exemption does not apply to operations beyond the jurisdiction of the United States of America.

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the tanks described herein must be reported to the OHMR as soon as practicable.

10. EXPIRATION DATE. November 30, 1985.

Issued at Washington, D.C.:

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

FEB 16 1984
(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, FRA