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

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

DOT-E 10149 (EXTENSION)
ORIGINAL June 30, 1989

JAN 17 1997

In accordance with 49 CFR 107.109 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 10149 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to December 31, 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 107.109. This extension constitutes a necessary part of this exemption and must be attached to it.

for Alan Mazzullo
Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

1/17/97
(DATE)

Dist: FRA

| EXEMPTION HOLDER | APPLICATION DATE |
|---|---|
| Praxair, Inc.<br>Danbury, CT | December 31, 1996 |

NOT Active
Expired
NO RENEWAL

U.S. Department
of Transportation

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JUN 30 1989

DOT-E 10149

1. Union Carbide Industrial Gases, Incorporated, Danbury, Connecticut, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations subject to the limitations and special requirements specified herein. This exemption authorizes the transportation of a flammable cryogenic liquid in a DOT 113A60W-2 specification tank car tank without replacing the outer jacket frangible disc every year as required and provides no relief from any other regulation other than as specifically stated.

2. BASIS. This exemption is based on an application dated March 9, 1989, submitted on behalf of Union Carbide Industrial Gases, Incorporated, in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (DESCRIPTOR AND CLASS). Hydrogen, refrigerated liquid (cryogenic liquid), classed as a flammable gas.

4. PROPER SHIPPING NAME (49 CFR 172.101). Hydrogen, refrigerated liquid.

5. REGULATION AFFECTED. 49 CFR 173.31(c)(13)(iv).

6. MODES OF TRANSPORTATION AUTHORIZED. Rail freight.

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a DOT Specification 113A60W-2 tank car tank meeting all design requirements, except the outer jacket frangible discs have not been replaced every year as required.

b. Each tank car must have "drop off plates" installed in lieu of frangible discs or have the frangible discs replaced as specified in 49 CFR 173.31(c)(13(iv) by June 1, 1991.

c. Each shipment must be monitored to determine the average daily pressure rise in the tank car. If the average daily pressure rise exceeds 3 psi per day, the tank car must be retested for thermal integrity prior to any subsequent shipment.

d. Tank cars with the following reporting marks are authorized:

HYDX 702-710, inclusive;
HYDX 712-713, inclusive
HYDX 715; and
HYDX 717-720, inclusive.

8. SPECIAL PROVISIONS.

a. Each tank car must be stenciled "DOT-E 10149" in four inch letters on a contrasting background above the DOT specification number.

b. When "drop off plates" are installed, a report must be submitted to the Office of Hazardous Materials Transportation, Exemptions Branch. The report must include the following information:

1) The reporting mark of each tank car installed with "drop off plates;"

2) The company installing the plates;

3) The "drop off plate" installation completion date; and

4) A copy of the AAR Form 4-2 or R-1, as appropriate.

9. REPORTING REQUIREMENTS. Any incident involving loss of the tank car contents or failure of any frangible disc must be reported to the Office of Hazardous Materials Transportation as soon as practicable.

10. EXPIRATION DATE. June 1, 1991.

Issued at Washington D.C.

JUN 30 1989

(DATE)

Alan I. Roberts
Director
Office of Hazardous Materials Transportation

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

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