DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

SPECIAL PERMIT NO. 6173
FIFTH REVISION
(COMPLETE)

This special permit is reissued pursuant to 49 CFR 170.15 of the Department of Transportation (DOT) Hazardous Materials Regulations, as amended, to authorize shipments of a certain liquefied flammable gas under conditions as prescribed herein. This permit does not relieve any shipper or carrier from compliance with any requirement of the DOT Regulations, except as specifically provided for herein.

Standard special permit requirements and conditions relating to package markings, preparation of shipping papers, shipping experience reports, etc., are published in 49 CFR 171.6. These requirements are part of this special permit.

1. BASIS. November 26, 1971, petition by Publicker Industries, Inc., Philadelphia, Pennsylvania.

2. COMMODITY. Liquefied ethylene.

3. PROPER SHIPPING NAME (49 CFR 172.5). Ethylene.

4. REGULATION WAIVED. 49 CFR 173:315(a)(1).

5. AUTHORIZED SHIPPER. The petitioner identified above, Union Carbide Corporation and any other shipper who registers his identity with this Board and has a copy of the special permit.

6. PACKAGING PRESCRIBED. In 10,800 gallon nominal water capacity, insulated aluminum cargo tanks. Each tank shall be constructed in accordance with DOT Specification MC-331, except as otherwise specified in Lubbock Manufacturing Company's drawings STR-492-A, -492-A1 Rev. 2, -492-A2 Rev. C, -492-A3 Rev. B, STR-561-A Rev. D, and STR-561-A1 Rev. 4, or -561-A3 Rev. C, -492-A4 Rev. A, -492-A5 Rev. B, -492-A6 Rev. A or 561-A6 Sheet 1 Rev. B, -492-7A, MP-254 through -258, TA-133 Rev. 1 and TA-76. As an alternative, the tank may be designed and constructed with heads of 5083-0 aluminum.

7. SPECIAL PACKAGING REQUIREMENTS. Tanks must be loaded by weight at -137° F. and 10 psig, and must not exceed a maximum filling density of 44.8 percent. Each cargo tank shall be plainly marked on the right side near the front, in letters at least two inches high on a contrasting background, "DOT SP 6173." Each tank must also be marked "Liquefied Ethylene" in addition to the other required markings. The identification plate, containing all the information as required by DOT Specification MC-331 except the specification number, shall be attached to the forward jacket head.

Expired - Not Active

DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

SPECIAL PERMIT NO. 6173
SIXTH REVISION

Pursuant to 49 CFR 170.15 of the Department of Transportation (DOT) Hazardous Materials Regulations, as amended, and on the basis of the November 29, 1973 and December 11, 1973 petitions by Allied Chemical Corp. and Publicker Industries Inc. respectively.

Special Permit No. 6173 is hereby amended by changing subparagraph (9c) and paragraph (11) to read as follows:

"9. * * *

a. * * *

b. * * *

c. Before transportation in an empty condition, the tank must be emptied of liquid content. In addition, the vapor pressure must be so reduced as to avoid the possibility of venting en route.

"11. EXPIRATION DATE. January 31, 1976."

All other terms of this permit, as revised, remain unchanged. The complete permit currently in effect consists of the Fifth and Sixth Revisions.

Issued at Washington, D.C.:

Kenneth L. Pierson — 12/26-73
(DATE)

for W. R. Fiste
For the Administrator
Federal Highway Administration

Address all inquiries to: Secretary, Hazardous Materials Regulations Board, U. S. Department of Transportation, Washington, D. C. 20590.
Attention: Special Permits.

Dist: a, d
Union Carbide Corp., Tarrytown, N.Y.
SunOlin Chemical Co., Claymont, Del.

Each cargo tank must be reinspected and retested once every 2 years in accordance with 49 CFR 173.33(e) of the Department of Transportation Regulations as prescribed for DOT Specification MC-330 cargo tanks. Pneumatic retesting at one and one-half times the design pressure is authorized in place of the required hydrostatic test. Compliance with 49 CFR 177.824(c)(4) is hereby waived.

8. MODE OF TRANSPORTATION AUTHORIZED. Motor vehicle.

9. SPECIAL TRANSPORTATION REQUIREMENTS.

a. A copy of this permit, kept current, must be carried aboard each motor vehicle.

b. The maximum allowable haulage distance must be that normally accomplished within the holding time of the tank, with a margin of 100% of the normal travel time, or 24 hours if less.

c. Before transportation in an empty condition the tank must have been drained and vented or blown down sufficiently so that pressure in the tank will not reach the lower relief valve setting on return, or so that venting may occur only if the vehicle is delayed by an accident or highly unusual traffic condition.

d. Any common carrier engaged in transportation covered under the terms of this permit must be specifically approved by the Federal Highway Administration.

e. Drivers must have been instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire or accident.

10. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package must be reported to this Board as soon as practicable.

11. EXPIRATION DATE. January 31, 1974.

Issued at Washington, D.C.:

for B.G. Milstead 21 JAN 1972
W.R. Fiste (DATE)
For the Administrator
Federal Highway Administration

Address all inquiries to: Secretary, Hazardous Materials Regulations Board, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Special Permits.

Dist: a, d
Union Carbide Corporation, Tarrytown, New York