U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 9502 (EXTENSION)
ORIGINAL August 25, 1986

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 9502 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to February 28, 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.

MAR 25 1992

(DATE)

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

Dist: FHWA FRA USCG

EXEMPTION HOLDER	APPLICATION DATE
Callery Chemical Company Pittsburgh, PA	January 28, 1992

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DOT-E 9502 AUG 25 1986

1. Callery Chemical Company, Callery, Pennsylvania, 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 a flammable material for transportation in commerce subject to the requirements specified herein. This exemption authorizes the use of DOT Specification 3A and 3E cylinders for diborance and diborane mixtures, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on an application from Callery Chemical Company dated September 27, 1985, submitted in accordance with 49 CFR 107.103, and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Diborane and mixtures of diborane with a compatible compressed (nonliquefied) gas, classed as a flammable gas.

4. PROPER SHIPPING NAME (49 CFR 172.101). Diborane or Diborane mixtures.

5. REGULATION AFFECTED. 49 CFR 173.302(g).

6. MODE OF TRANSPORTATION AUTHORIZED. Motor vehicle, rail freight, and cargo vessel.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a steel DOT Specification cylinder not exceeding 125 pound water capacity (nominal) and with a marked service pressure at least 1800 psig or a steel DOT Specification 3E cylinder with a marked service pressure of at least 1800 psig. Cylinder must not be equipped with a safety relief device. Cylinder filling density must not exceed 7 percent by weight. Diborane may be mixed with a compatible nonliquefied compressed gas to a pressure not exceeding the marked service pressure of the cylinder if complete decomposition of diborane occurs. DOT 3A or 3E cylinders may be single valved or double valved. The cylinder valves must be protected by metal caps or the whole cylinder must be overpacked in strong wooden boxes.

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 and motor vehicle used to transport packages covered by this exemption.

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

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package must be reported to the Office of Hazardous Materials Transportation as soon as practicable.

10. EXPIRATION DATE. June 30, 1988.

Issued at Washington, D.C.:

Joseph T. Horning
for Alan F. Roberts
Director
Office of Hazardous Materials Transportation

AUG 25 1986
(DATE)

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.

Dist: USCG FRA FHWA