U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 6859 (EXTENSION)
SECOND REVISION May 11, 1988

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 6859 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to January 31, 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 Hedgepeth
Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

FEB 27 1992
(DATE)

Dist: FHWA USCG FAA

EXEMPTION HOLDER	APPLICATION DATE
OEA, Inc./Pyronetics Division Denver, CO	January 21, 1992

U.S. Department of Transportation

Research and Special Programs Administration

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Washington, D.C. 20590

DOT-E 6859
(SECOND REVISION)

MAY 11 1988

1. Pyronetics Devices, Incorporated, Cerritos, California, is hereby granted an exemption from certain provisions of the Department's Hazardous Materials Regulations to offer packagings prescribed herein of a nonflammable compressed gas for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes non-DOT specification packaging, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Pyronetics Devices, Inc.'s application dated March 18, 1988 submitted in accordance with 49 CFR 107.105 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Nitrogen, classed as a nonflammable gas.

4. PROPER SHIPPING NAME (49 CFR 172.101). Nitrogen.

5. REGULATION AFFECTED. 49 CFR 173.302 (a)(1), 173.34(d), 175.3.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, cargo vessel and cargo aircraft only.

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a non-DOT Specification non-refillable titanium alloy spherical pressure vessel having a 9.4 cubic inch capacity and charged to a pressure not exceeding 3000 psi at 60°F. Each sphere must be capable of withstanding without bursting a pressure of not less than 12,000 psi. Prior to shipment each sphere must be proof pressure tested to 6,600 psi without any evidence of leakage, distortion, or other defect. In addition, each sphere must comply with Pyronetics, Inc.'s Drawings 3331-2, 333102 and 333130 on file with the Office of Hazardous Materials Transportation (OHMT). The diaphragm must serve as a relief device.

b. Spheres must be overpacked in a strong wooden box.

8. SPECIAL PROVISIONS.

a. Persons who receive packages covered by this exemption may reship them pursuant to the provisions of 49 CFR 173.22a.

b. A copy of this exemption must be carried aboard each vessel and aircraft used to transport packages covered by this exemption.

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package or damage to the packaging must be reported to the OHMT as soon as practicable.

10. EXPIRATION DATE. April 1, 1990.

Issued at Washington, D.C.:

Donald R. Smith

MAY 11 1988

(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.

Dist: FHWA, USCG, FAA