U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 8464
EXTENSION
(CORRECTED COPY - MAY 13, 1981)

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations, DOT-E 8464 is hereby extended by changing the expiration date in paragraph 10 from July 30, 1986 to July 30, 1988.

This extension applies only to party(s) listed below based on the application(s) received in accordance with 49 CFR 107.105. All other terms of the exemption remain unchanged. This extension forms part of the exemption and must be attached to it.

Donald R Smith

for Alan I. Roberts
Director
Office of Hazardous Materials Transportation

SEP 16 1986
(DATE)

Dist: FHWA FAA

EXEMPTION HOLDER	APPLICATION DATE
Garrett Pneumatic Systems Division Tempe, AZ	June 12, 1986

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400 Seventh Street, S.W.
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DOT-E 8464
(CORRECTED COPY)

1. The Garrett Corporation (formerly Airesearch Manufacturing Company of Arizona), Phoenix, Arizona, is hereby granted an exemption from those provisions of this Department's Hazardous Materials Regulations specified in paragraph 5 below to manufacture, mark, and sell the packaging described in paragraph 7 below for use in the transportation of the non flammable, nonliquefied gas described in paragraph 3 below in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the use of a non-DOT specification pressure vessel for a missile system, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on The Garrett Corporation's (formerly Airesearch Manufacturing Company) application dated July 22, 1980, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Helium - a nonflammable gas.

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

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

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, passenger-carrying aircraft, cargo-only aircraft.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a welded non-DOT specification non-reusable, non-refillable toroidal pressure vessel having a 10.8 cubic inch nominal capacity and a 10,000 psi service pressure, made of aircraft quality 4130 steel in compliance with DOT 39 specification (49 CFR 178.65) except as follows.

§178.65-6 Manufacture

(d) (Added) All welds will be subjected to magnetic particle inspection and 100 percent radiographic inspection.

§178.65-11 Pressure tests

(c) A "lot" is defined as the quantity of pressure vessels consecutively produced per day having identical size, design, construction, material, heat treatment, finish and quality.

§178.65-12 Flattening test

(a)(4) Cylinders or test rings must not crack when flattened so that their outer surfaces are not more than 10 times the wall thickness apart.

§178.65-14 Markings

(b)(1) "DOT-E 8464" in lieu of "DOT 39".

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 aircraft, used to transport packages covered by this exemption.

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

10. EXPIRATION DATE. August 30, 1982.

Issued at Washington, D.C.:

J. R. Grothe for

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

13 MAY 1981
(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: FAA, FHWA