U.S. Department
of Transportation

**Research and
Special Programs
Administration**

NOV 27 1995

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

DOT-E 9977
(SIXTH REVISION)

EXPIRATION DATE: May 31, 1997

(FOR RENEWAL, SEE 49 CFR SECTION 107.105.)

1. GRANTEE: Alliant Techsystems, Inc.
New Brighton, MN
(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION: This exemption authorizes the transportation of rocket motors in a propulsive state with igniters installed, in a specially designed packaging configuration. This exemption provides no relief from any regulation other than as specifically stated herein. Note: Reference to 49 CFR Sections in this exemption are to regulations in effect on September 30, 1991.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR Section 173.92(b).

5. BASIS: This exemption is based on the application of Alliant Techsystems Inc., dated December 28, 1994, and supplemental letters dated May 11, August 21 and October 25, 1995, submitted in accordance with 49 CFR 107.105. (See Appendix A to this document for a list of additional grantees.)

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous materials description/proper shipping name	**Hazard Class/ Division**	**Identification number**	**Packing Group**
Rocket motor (Delta II) EX-8805156, EX-9211078, EX-9211079, EX-9408040/41/42/43	1.3C	UN 0186	II
Rocket Motor (GEM-VN) (EX-9310014)	1.3C	UN 0186	II

7. PACKAGING AND SAFETY CONTROL MEASURES:

PACKAGING - Packaging prescribed is a specially designed van trailer configuration as shown on Hercules drawing 83340J00095 dated March 24, 1988, drawing 83340J00214 Rev. F dated June 28, 1995, and Specification (REF T/S 4F-3081) dated October 14, 1987, and Specification (REF T/S 8M-5002) dated October 31, 1988, on file with the Office of Hazardous Materials Exemptions and Approvals.

The rocket motors may be shipped with igniters installed, however, initiator lines are not to be attached during transportation. The rocket motors may also be shipped in a propulsive state, as approved by the Department of Defense (see Department of the Air Force's letter dated June 13, 1988). The rocket motors must be shipped with a Faraday shield around the motor interior and propellant as described in McDonnell specification control drawing ID58979.

8. SPECIAL PROVISIONS:

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

b. MARKING - Each motor vehicle must be plainly marked on the right side near the front, in letters at least two inches high on a contrasting background, "DOT-E 9977".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS:

a. A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

b. Motor carriers used to transport rocket motors authorized by this exemption must have a "SATISFACTORY" Safety Rating as assigned by the Office of Motor Carrier Safety Field Operations, FHWA.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. Section 5105 et. seq.:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

- Registration required by 49 CFR 107.601 et seq., when applicable.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect unless a regulation has been amended making the exemption no longer necessary.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving fire, explosion or loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (49 CFR 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:

NOV 27 1995

Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Dist: FHWA