



U.S. Department
of Transportation
Research and
Special Programs
Administration

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

FEB 28 2003

DOT-E 10996
(SIXTH REVISION)

EXPIRATION DATE: January 31, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. **GRANTEE:** AeroTech, Inc. and Industrial Solid Propulsion,
Inc.
Las Vegas, NV

(See Appendix A to this document for a list of additional grantees)

2. **PURPOSE AND LIMITATION:**

a. This exemption authorizes the transportation in commerce of certain rocket motors and reloadable rocket motor kits as Division 1.4C Articles, explosive, n.o.s., when shipped in quantities and packagings prescribed in this exemption. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use other uses not associated with transportation in commerce.

3. **REGULATORY SYSTEM AFFECTED:** 49 CFR Parts 106, 107 and 171-180.
4. **REGULATIONS FROM WHICH EXEMPTED:** 49 CFR § 172.101 Table, in that explosive articles with propellant charges in excess of 62.5 grams must be classed as Division 1.3C, except as specified herein.

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5. **BASIS:** This exemption is based on the application of AeroTech, Inc. and Industrial Solid Propulsion, Inc. dated February 4, 2003, submitted in accordance with § 107.109 and additional information dated February 26, 2003.
6. **HAZARDOUS MATERIALS (49 CFR § 172.101):**

Hazardous Material Description			
Proper Shipping Name	Hazard Class/Division	Identification Number	Packing Group
Articles, explosive, n.o.s. (rocket motors or reloadable rocket motor kits, as appropriate)	1.4C	UN0351	II

7. **SAFETY CONTROL MEASURES:**

a. **PACKAGING** - Packaging prescribed is as follows:

(1) **Inner Packaging** - Fiberboard or pasteboard box; conductive plastic bag at least 0.075 mm (0.0029 in.) thick. Total weight of propellant contained in devices placed in an inner packaging may not exceed 1.4 kg. (3.08 lbs.)

(2) **Outer Packaging** - A UN4G fiberboard box or a UN4C wood box. No more than four inner packages may be placed in one outer packaging.

b. Rocket motor cases may not be made of a material (e.g., metal) or of a configuration that would present a penetration hazard.

c. Each explosive material transported under the terms of this exemption must have been approved as a Division 1.3C explosive in accordance with § 173.56.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each aircraft or motor vehicle used to transport packages covered by this exemption. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.

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. 5101 et seq.:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq. when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

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.

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. (Sections 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 also inform the AAHMS, in writing, as soon as practicable of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C. :



Robert A McGuire
Associate Administrator for
Hazardous Materials Safety

FEB 28 2003

(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.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: SW/dl

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
AMW Inc. South Daytona, FL	Apr 01, 2003	Apr 09, 2003	Jan 31, 2005
Ballistic Recovery Systems, Inc. (dba BRS, Inc.) South Saint Paul, MN	Jan 06, 2004	Feb 24, 2004	Jan 31, 2005
Cesaroni Technology Inc. Gormley, Ontario, CN (U.S. Agent: Cesaroni Technology Inc. (U.S.) Annapolis, MD)	Feb 21, 2003	Apr 08, 2003	Jan 31, 2005
Composite Propulsion Technology Inc. South Daytona, FL	Apr 01, 2003	Apr 09, 2003	Jan 31, 2005
Custom Analytical Engineering Systems, Inc., Flintstone, MD	Dec 16, 2003	Apr 15, 2004	Jan 31, 2005
Ellis Mountain Rocket Works Jacksonville, TX	Mar 07, 2003	Apr 08, 2003	Jan 31, 2005
Gorilla Rocket Motors, Inc. Zephyrhills, FL	Dec 17, 2003	Feb 24, 2004	Jan 31, 2005
Hangar II, Inc. Washingtonville, NY	May 28, 2004	Jun 29, 2004	Jan 31, 2005
Kosdon Enterprises of Ventura, CA Ventura, CA	Feb 27, 2003	Apr 08, 2003	Jan 31, 2005
Loki Research, LLC Durham, CT	Jul 8, 2004	JUL 28 2004	Jan 31, 2005
Magnum Plus Inc. dba Magnum Rockets Hobbies & More Mechanicsburg, OH	Mar 03, 2003	Mar 05, 2003	Jan 31, 2005

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Company Name City/State	Application Date	Issue Date	Expiration Date
Missile Works Corporation Lyons, CO	Apr 01, 2003	Apr 09, 2003	Jan 31, 2005
Otto Cupler Torpedo Company, Inc., Pleasantville, PA	Apr 14, 2004	May 7, 2004	Jan 31, 2005
RCS Rocket Motor Components, Inc. Cedar City, UT	Jan 19, 2004	Feb 24, 2004	Jan 31, 2005
Vulcan Systems, Inc. Colorado Springs, CO	Mar 04, 2003	Mar 20, 2003	Jan 31, 2005



fe Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety