



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

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

**AUG 11 2004**

DOT-E 13481

EXPIRATION DATE: July 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: ATK Thiokol Propulsion  
Brigham City, Utah
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of not more than 25 grams of liquid explosive substances that have an energy density (KJ/Gram) not greater than pure nitroglycerin, classed as Division 1.4E when packed in a special shipping container. 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, use as a component of a transport vehicle or other device, or 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 § 172.320 in that the EX approval number need not be marked on the outer package. Section 173.54(a), (e) and (j) in that explosives defined as forbidden under these paragraphs may be transported in accordance with terms of this exemption. Sections 173.56(b), 173.57 and 173.58, in that a new explosive need not be examined and tested prior to transportation and §§ 173.60 and 173.62 in that an alternative packaging method is authorized.

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5. BASIS: This exemption is based on the application of ATK Thiokol Propulsion dated March 21, 2003 and additional information submitted on June 10, 2004 in accordance with § 107.105 and the public proceeding thereon.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Articles, explosive, n.o.s. *	1.4E	UN0471	II

\*Technical name of materials being shipped

7. SAFETY CONTROL MEASURES:

INNER PACKAGINGS - Inner receptacles made of plastic, hard rubber or glass, sealed with a suitable method of closure, each containing no more than twenty-five (25) grams net weight of liquid explosives.

INTERMEDIATE PACKAGING - Bottles, wide mouth plastic with lids, each containing one inner packaging surrounded with sufficient cushioning material (sawdust, vermiculite or cellulosic materials) to absorb all free liquid in the inner packaging.

OUTER PACKAGING - Not less than 4" diameter flanged Schedule 80 seamless carbon steel pipe section not less than 15 inches in length capped on both ends with 8-bolt 150 psi ANSI B 16.5 ASTM A105 flange plates which are sealed with high-temperature resistant graphite gaskets, each containing one intermediate packaging.

8. SPECIAL PROVISIONS:

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 only.

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10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.
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 Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

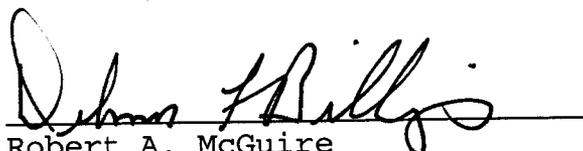
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this 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 inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

*ds*  


Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

**AUG 1 1 2004**  
(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: scw:dl