JUN 25 1998

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

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

DOT-E 10067
(SECOND REVISION)

EXPIRATION DATE: May 31, 2000

(FOR RENEWAL, SEE 49 CFR SECTION 107.109)

1. GRANTEE: U.S. Department of Energy (DOE)
   Albuquerque, NM

2. PURPOSE AND LIMITATION:

   a. This exemption authorizes the transportation in commerce of anhydrous hydrazine in non-DOT specification packaging. This exemption provides no relief from any Hazardous Materials Regulation (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 173.201.

5. BASIS: This exemption is based on the application of DOE dated March 26, 1998, submitted in accordance with 49 CFR 107.109.

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Hydrazine, anhydrous	8	UN2029	I

7. SAFETY CONTROL MEASURES: Packaging prescribed is a specially designed non-refillable package described as a Modular Propulsion System (MPS). The MPS contains three propellant tanks containing hydrazine. Each propellant tank consists of a three lobe externally collapsing aluminum bladder inside a welded aluminum pressure vessel. The propellant tanks must be designed and constructed in accordance with Unite Technologies Drawings Nos. B15134, B15122, B15119, B15016, SV798985 and SV799002, other drawings and technical specifications on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). The MPS unit must be securely packaged in a strong inner non-DOT specification plywood pox which is further overpacked in a strong outer non-DOT specification plywood box. Both the inner and outer boxes meet the provisions of Federal Specification PPP-B-601. The space between the inner and outer plywwod boxes will be filled with vermiculite. The inner and outer plywood boxes must be as shown on drawing S98425. Each propellant tank will be charged with 1.78 gallons (15 pounds) of hyrazine for a total of 45 pounds (5.34 gallons) per MPS. Gross weight of the package is approximately 250 pounds.

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.

c. Drivers must have been instructed as to necessary safeguards and proper procedures in the event of unusual

delay, fire or accident.

d. Each outside packaging must be marked on two sides in letters at least two inches high on a contrasting background "DOT-E 10067".

e. Motor carriers holding an "Unsatistactory" safety rating as assigned by the Office of Motor Carrier Safety, Federal Highway Administration, are prohibited from transporting materials or packages covered under the terms of this exemption.

f. Each air carrier used to transport the packages authorized by this exemption must be identified to and approved in writing by OHMEA prior to each shipment.

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

10. MODAL REQUIREMENTS: A copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper shall 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. Section 5101 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.

Each "Hazmat employee", as defined in 49 CFR 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 49 CFR 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 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 incident involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:

Ann Mazzulli JUN 25 1998

for Alan I. Roberts (DATE)
Associate Administrator for
Hazardous Materials Safety

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.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, Washington, DC 20590-0001, Attention: Docket Section, 202-366-5046.

Dist: FHWA, FAA
PO: am