U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 8722 (EXTENSION)

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 8722 is hereby extended by changing the expiration date in paragraph 10 from January 31, 1986 to March 1, 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.

J. Suzanne Hedgspeth

Alan I. Roberts
Director
Office of Hazardous Materials
Transportation

JUN 12 1986
(DATE)

Dist: FHWA FRA USCG FAA

| EXEMPTION HOLDER | APPLICATION DATE |
|---|---|
| Northrop Corporation<br>Hawthorne, CA | February 17, 1986 |

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of Transportation

**Research and
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400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 8722
(FIRST REVISION)

1. Northrop Corporation, Hawthorne, California, is hereby granted an exemption from those provisions of this Department's Hazardous Materials Regulations specified in paragraph 5 below to offer packages prescribed herein of a hydrazine solution for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes shipment of a hydrazine solution in non-DOT specification packaging, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Northrop Corporation's application dated September 29, 1983, submitted in accordance with 49 CFR 107.103 and 107.105 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Hydrazine solution containing 70% hydrazine and 30% water, by weight; classed as corrosive material.

4. PROPER SHIPPING NAME (49 CFR 172.101). Hydrazine, aqueous solution.

5. REGULATION AFFECTED. 49 CFR 172.101; 173.276; 174.3; 175.3; 175.30; 176.3.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, rail freight, cargo vessel, cargo-only aircraft.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a non-DOT specification type 304L or 347 stainless steel, nonpressurized tank with a nominal volume of 715 cubic inches of water capacity. The tank may be filled with not more than 22.7 pounds of hydrazine solution (70% hydrazine - 30% water, by weight), may not be liquid full at 130°F., and must be charged with nitrogen gas to atmospheric pressure. The filled tank is hermetically sealed. The tank is cushioned and packed in a non-DOT specification 347 stainless steel outside packaging.

Alternately, the filled, hermetically sealed tank may be secured to the Propellant Energy Conversion Assembly of the F-20 Air Turbine Cartridge Assembly (ATCA). The ATCA is installed in the air frame mounted accessory gear box (AMAG) bay. The ATCA must be deactivated to a non-operative condition. The AMAG bay is located forward of the engine and below the engine inlet duct in the bottom of the fuselage of the F-20 aircraft. Each aircraft is partially disassembled and packed in a non-DOT specification outside packaging.

Each tank must be designed, constructed, tested, and packaged in accordance with all details, specifications, and drawings submitted in the application for exemption.

In addition to the requirement for the CORROSIVE label, each outside packaging must be labeled with the POISON label.

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 vessel, aircraft, and motor vehicle 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 as soon as practicable.

10. EXPIRATION DATE. January 31, 1986.

Issued at Washington, D.C.:

FEB 8 1984

(DATE)

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

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: USCG, FAA, FHWA, FRA.