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

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

FEB 15 1991

DOT-E 10356

1. FMC Corporation, Lithium Division, Gastonia, North Carolina, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to offer the package prescribed herein of a water reactive solid for transportation in commerce, subject to the limitations and special requirements specified herein. This exemption authorizes shipment of a Lithium metal dispersion in Hexane or Cyclohexane in DOT Specification 4BW240 cylinder by motor vehicle, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on the FMC Corporation's application dated March 20, 1990, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Lithium, Metal dispersion in Hexane and Cyclohexane classed as "flammable solid".

4. PROPER SHIPPING NAME (49 CFR 172.101). "Water Reactive Solid n.o.s".

5. REGULATION AFFECTED. 49 CFR 173.154.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a steel cylinder conforming with DOT Specification 4BW240 (49 CFR 178.61).

b. The cylinder shall be equipped with a safety relief device set to discharge at 80 percent of the hydrostatic test pressure.

c. Sufficient outage must be provided so that the packaging will not be liquid full at 130°F.

e. All fittings, valves, gauges must be protected from damage during transportation by a metal collar.

8. SPECIAL PROVISIONS.

a. Persons who receive packages covered by this exemption may reoffer them for transportation provided no modification or changes are made to the packages, all terms of this exemption are complied with and a current copy of this exemption is maintained at each facility from which such offering occurs.

b. A copy of this exemption, in its current status must be carried aboard each motor vehicle used to transport packages covered by this exemption.

c. Packages covered by this exemption must be secured from movement or rollover within the motor vehicle.

d. Drivers must be instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire, or accident.

e. Motor carriers operating under the terms of this exemption must have a "Satisfactory" or "Conditional" safety rating as prescribed in 49 CFR Part 385.

f. Before transportation in an empty condition and reuse, each packaging must be emptied of its contents and charged with an inert gas so as to avoid the presence of moisture in the container.

9. REPORTING REQUIREMENTS: Any incident involving loss of packaging contents or packaging failure must be reported to the Associate Administrator for Hazardous Materials Safety as soon as practicable.

10. EXPIRATION DATE. January 31, 1993.

Issued at Washington, D.C.

FEB 15 1991

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, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Exemptions Branch.

Dist: FHWA.