U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 10062 (EXTENSION)
THIRD REVISION July 31, 1992

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 10062 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to September 30, 1994. This change is effective from the issue date of this extension. All other terms of the exemption remain unchanged.

This extension applies only to party(ies) listed below based on the application(s) received in accordance with 49 CFR 107.105. This extension constitutes a necessary part of this exemption and must be attached to it.

J. Suzanne Hedgepeth
for Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

DEC 1 1992
(DATE)

Dist: FHWA FRA USCG

EXEMPTION HOLDER	APPLICATION DATE
Callery Chemical Company Pittsburgh, PA	September 25, 1992

U.S. Department
of Transportation

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JUL 31 1992

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DOT-E 10062
(THIRD REVISION)

1. Callery Chemical Company, Pittsburgh, Pennsylvania, is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to offer packages prescribed herein of the hazardous materials described in paragraph 3 below for transportation in commerce, subject to the limitations and special requirements specified herein. This exemption authorizes the use of welded steel cylinders for shipments of certain flammable solids, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Callery Chemical Company's applications dated September 14, 1988, March 30 and April 21, 1989, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon and supplemental letters dated November 30, 1989 and November 15, 1991.

3. HAZARDOUS MATERIALS (Descriptor and class). Potassium, metal, classed as a flammable solid.

4. PROPER SHIPPING NAME (49 CFR 172.101). Potassium, metal.

5. REGULATION AFFECTED. 49 CFR 173.206.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, rail freight and cargo vessel.

7. SAFETY CONTROL MEASURES.

a. Packaging prescribed is a DOT Specification 4BA (49 CFR 178.51) or 4BW (49 CFR 178.61) steel cylinder, not greater than 750 pounds or a welded non-DOT specification cylinder of not greater than 750 pounds conforming with the specifications of DOT 4BW or 4BA, except that the material of construction may be Type 304, 316, or 347 stainless steel.

(1) Any cylinder with more than one opening in each head must have each opening reinforced so that it is as strong as the cylinder wall or are separated from each other by ligaments at least 1.5 times the average diameters of the adjacent openings

without reinforcement. Each cylinder may be fitted with a heater rod well fabricated from 0.50 inch schedule 40 stainless steel pipe and located in the center of the top head.

(2) Each cylinder must have a marked service pressure of 240 psig and contain a maximum of 750 pounds of potassium, metal.

(3) Outage must be at least 9 percent at 208° F.

(4) The lading must be covered with a nitrogen blanket.

8. SPECIAL PROVISIONS.

a. A copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption.

b. Drivers must have been instructed as to necessary safeguards and proper procedures in the event of unusual delay, fire or accident.

c. Each cylinder must be reinspected and retested in accordance with 49 CFR 173.34(e), once every 5 years as prescribed for DOT Specification 4BA or 4BW, as appropriate.

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. (49 CFR 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.)

10. EXPIRATION DATE. November 30, 1992.

Issued at Washington, D.C.

JUL 31 1992

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 Program.

Dist: FHWA, USCG, FRA.