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

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

DOT-E 10204 (EXTENSION)
ORIGINAL June 15, 1992

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 10204 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to September 30, 1995. 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.

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

19 APR 1994
(DATE)

Dist: FHWA FAA

EXEMPTION HOLDER	APPLICATION DATE
KECO R. & D., Inc. Houston, TX	January 28, 1994

ADVISORY

IF YOU ARE A HOLDER OF AN EXEMPTION THAT AUTHORIZES THE USE OF A PACKAGING WITH A MAXIMUM CAPACITY LESS THAN 450 L (119 GALLONS) OR A MAXIMUM NET MASS LESS THAN 400 KG (882 POUNDS), PLEASE BE ADVISED THAT YOUR EXEMPTION MAY NOT BE RENEWED BEYOND SEPTEMBER 30, 1996. IN ADDITION, NO NEW CONSTRUCTION OF PACKAGINGS WHICH FALL WITHIN THE NON-BULK CAPACITIES LISTED ABOVE ARE AUTHORIZED AFTER SEPTEMBER 30, 1994. THIS IS CONSISTENT WITH THE IMPLEMENTATION OF THE NEW PACKAGING REQUIREMENTS ADOPTED UNDER DOCKET HM-181. ANY APPLICATION SUBMITTED TO THIS OFFICE TO RENEW AN EXEMPTION BEYOND THE SEPTEMBER 30, 1996 DATE WILL BE DENIED UNLESS THE APPLICATION CONTAINS SUPPORTING INFORMATION TO JUSTIFY THE CONTINUATION OF THE EXEMPTION.

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DOT-E 10204

1. Keco R. & D. Inc., Houston, Texas, 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 shipment of small quantities of carbonyl sulfide and hydrogen sulfide in diffusion tubes sealed in a capped pipe and packed in a fiberboard box, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Keco R. & D., Inc.'s application dated June 14, 1989, and supplemental information dated July 17, 1990, November 30, 1990, January 17, 1991, June 14, 1991, August 23, 1991, November 11, 1991, and January 20, 1992, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Carbonyl sulfide, classed as poisonous gas (2.3); and hydrogen sulfide, classed as poisonous gas (2.3).

4. PROPER SHIPPING NAME (49 CFR 172.101). Carbonyl sulfide or Hydrogen sulfide, liquefied; as appropriate.

5. REGULATION AFFECTED. 49 CFR 173.304.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle for each material; cargo-only aircraft for carbonyl sulfide only.

7. SAFETY CONTROL MEASURES. Material authorized under this exemption must be packaged in packagings conforming to the requirements 49 CFR Part 178 at the Packing Group I performance level in accordance with the following requirements. Packaging prescribed must be as shown in Keco R. & D., Inc. drawing # 021491D, Rev. 1, dated January 20, 1992, and other applicable drawings in this series (e.g., 021491B and 021491C), as revised. Not more than 30 grams of a gas must be enclosed in a sealed aluminum diffusion (permeation) tube (tube). The volume of each tube must be not more than 40 cubic centimeters. Each tube must be enclosed in a Schedule 40 steel pipe. The pipe must be not

more than 2 inches in diameter with 1-1/4 inch NPT threads, must be not more than 30 inches in length, and must have a calculated burst pressure of not less than 7580 pounds per square inch (psi). Each tube must be surrounded with cushioning material and the pipe must contain an absorbent material that is capable of absorbing any gas that might escape from a tube. Each tube, cushioned in the pipe, must be separated from the absorbent material by a porous barrier. The pipe must be closed and sealed at each end with threaded pipe caps and a teflon sealant to form a gas tight seal. Not more than six (6) tubes may be packed in a pipe. Each pipe must be packed in a 4G fiberboard box (box). The bursting strength of the box must be not less than 200 psi. Not more than six (6) pipes may be packed in a box.

8. SPECIAL PROVISIONS.

a. A copy of this exemption must be carried aboard each motor vehicle and aircraft used to transport packages covered by this exemption.

b. Persons who receive packages covered by this exemption may reoffer them for transportation provided no modifications 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 reoffering occurs.

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. May 1, 1994.

Issued at Washington, D.C.

JUN 15 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, FAA.