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

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

DOT-E 4726
(FOURTH REVISION)

EXPIRATION DATE: October 31, 1996
See Appendix A for PTE Expiration date(s)

(FOR RENEWAL, SEE 49 CFR SECTION 107.105)

1. GRANTEE: U. S. Department of Energy
Washington, D. C.

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION: This exemption authorizes the one-time transportation in commerce of certain liquid metal fluorides in non-DOT specification cylinders constructed of monel. This exemption provides no relief from any regulation other than as specifically stated herein.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 173.304 and 173.338 in that non-DOT specification cylinders are authorized.

5. BASIS: This exemption is based on the application of the U.S. Department of Energy dated June 10, 1996, and additional information dated July 2 and 26, 1996. submitted in accordance with 49 CFR 107.105.

6. HAZARDOUS MATERIALS (49 CFR 172.101):

| Hazardous materials description -- proper shipping name | Hazard Class/ Division | Identi-fication Number | Packing Group |
|---|---|---|---|
| Tungsten hexafluoride | 2.3 | UN2196 | N/A |
| Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone C (Rhenium hexafluoride) | 2.3 | UN3162 | N/A |
| Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone C (Molybdenum hexafluoride) | 2.3 | UN3162 | N/A |

7. PACKAGING AND SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed are non-DOT specification monel cylinders of welded construction, made from 4 inch or 5 inch schedule 40 pipe, to a design pressure of 200 psig, tested at 400 psig, and in conformance with Union Carbide Corporation drawings D-P22818D, Rev. 0 and D-KP-19545A, Rev. 1 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). Each cylinder must be overpacked in a strong wooden box with cushioning material such as vermiculite between the cylinder and box. Gross weight is not to exceed 200 pounds each.

8. SPECIAL PROVISIONS: Not applicable

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle

10. MODAL REQUIREMENTS: A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

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.

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 incidents involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:

for Marilyn E. Morris July 31, 1996

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.

Dist: FHWA
PO:SLN
TY:

APPENDIX A

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with 49 CFR 107.113, and the public proceeding thereon or 107.105, as appropriate:

| Company Name City/State | Application Date | PTE | Expiration Date | Issue Date |
|---|---|---|---|---|
| Allied Signal Aerospace, Kansas City, MO | 5/31/96 | 1 | 10/31/96 | 7/9/96 |
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for Marilyn E. Morris
Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety