U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DEC 30 1997

DOT-E 11668

EXPIRATION DATE: **January 15, 1999**

(FOR RENEWAL, SEE 49 CFR SECTION 107.109)

1. GRANTEE: Allied Signal, Inc.
Morristown, NJ

2. PURPOSE AND LIMITATION: This exemption authorizes the one-time transportation in commerce of one model 48 OM cylinder, serial number AC 48, containing uranium hexafluoride, non-fissile or fissile excepted. The cylinder is authorized to be transported from Paducah, KY to Metropolis, IL where it will be unloaded and taken out of service. Under 49 CFR 173.420, the 48 OM cylinder is authorized to contain and transport uranium hexafluoride, but this cylinder has been found to have localized thin sections below the minimum shell and head thickness requirements stated in 49 CFR 173.420(a)(2)(iii)(D). 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:

a. 49 CFR Part 173.420(a)(2)(iii)(D) in so far as the minimum shell and head thickness specified for 48 OM cylinders is waived for the cylinder identified in this exemption.

5. BASIS: This exemption is based on the Allied-Signal, Inc., application dated March 22, 1996. All documents were submitted in accordance with 49 CFR 107.105 and the public proceeding thereon.

DEC 30 1997



6. HAZARDOUS MATERIALS (49 CFR 172.101):

| Hazardous materials description -- proper shipping name | Hazard Class/ Division | Identi-fication Number | Packing Group |
|---|---|---|---|
| Uranium Hexafluoride, fissile excepted or non-fissile | 7 | UN 2978 | N/A |

7. PACKAGING AND SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging authorized is a Model 48 OM cylinder, serial number AC 48, which is authorized by the Hazardous Materials Regulations (HMR) for the shipment of Uranium hexafluoride, except the cylinder has localized thin sections below the minimum thickness requirements of the HMR. The cylinder has been hydrostatically tested to 200 PSIG without failure.

b. OPERATIONAL CONTROLS - The cylinder will be consigned as an exclusive use shipment.

c. MARKING - Package shall be plainly and durably marked "DOT-E-11668" in accordance with 49 CFR 172.301(c).

8. SPECIAL PROVISIONS:

Shippers using the packaging covered by this exemption must comply with all provisions of this exemption, and all other applicable requirements contained in 49 CFR Parts 171-180.

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.

DEC 30 1997



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.

    Each "Hazmat employee", as defined in 49 CFR 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by 49 CFR 172.700 through 172.704.

    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.:

DEC 30 1997

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, 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.

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