



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

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

**OCT 1 0 2003**

DOT-E 3004  
(SEVENTH REVISION)

**EXPIRATION DATE: May 31, 2005**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: U. S. Department of Defense (DOD)  
Fort Eustis, Virginia

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

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the transportation in commerce of certain 2.1 and 2.2 material in a non-DOT specification cylinder. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

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

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.302a and 175.3 in that non-DOT specification cylinders are not authorized, except as specified herein.

5. BASIS: This exemption is based on the application of Department of Defense dated September 24, 2003, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description				
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group	
Argon, compressed	2.2	UN1006	N/A	
Hydrogen, compressed	2.1	UN1049	N/A	
Nitrogen, compressed	2.2	UN1066	N/A	
Oxygen, compressed	2.2	UN1072	N/A	

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed are non-DOT specification sampling cylinders having a capacity not exceeding 373 cubic inches fabricated in compliance with details included in International Control Corporation drawings 250150 and 250185 or Cosmodyne Corporation drawings 2700205, 2700506, 2700509, 2700211, 2700215, 2700305, 2700306. Each sampling cylinder must be equipped with a frangible disc safety device as detailed on Fike Metal Products Corporation drawing A-1140 or on Cosmodyne Corporation drawing 2600054 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA). Cylinders must be capable of withstanding a pressure of 5,000 pounds per square inch without bursting and may be charged with argon, hydrogen, nitrogen, or oxygen, to a pressure not exceeding 500 pounds per square inch. The burst pressure of the frangible disc safety device must not exceed 660 pounds per square inch.

b. OPERATIONAL CONTROLS - The sampling cylinders must be packed in formed fiberglass cases, cushioned with resilient packing material in strong outside boxes such as, but not limited to, wood, fiberboard, plastic or aluminum.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Transportation of Division 2.1 (flammable gases) are not authorized aboard aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).

d. Transportation of oxygen by aircraft is only authorized when in accordance with § 172.102(c)(2) Special Provision A52 and §§ 175.85(h) and (i).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo aircraft only, and passenger-carrying aircraft (see paragraphs 8(c) and (d) for restriction).

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each aircraft used to transport packages covered by this exemption. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.

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. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

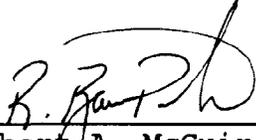
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 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 §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this 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. (Sections 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 incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



*fr*  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

OCT 10 2003

(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.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: KFW/sln

**OCT 10 2003**

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Aeriform Corp. Houston, TX	Jul 29, 2003	Aug 20, 2003	May 31, 2005
Air Liquide America L.P. Houston, TX (Former Grantee: Air Liquide America Corporation)	Jul 25, 2003	Aug 7, 2003	May 31, 2005
Air Products & Chemicals, Inc. Allentown, PA	Jun 3, 2003	Jun 12, 2003	May 31, 2005
BOC Gases Murray Hill, NJ	Jun 30, 2003	Jul 10, 2003	May 31, 2005
National Welders Supply Co., Inc. Charlotte, NC	Aug 1, 2003	Aug 20, 2003	May 31, 2005
Praxair Distribution, Inc. Danbury, CT	Jul 30, 2003	Aug 7, 2003	May 31, 2005
Praxair Inc. Danbury, CT	Jul 30, 2003	Aug 7, 2003	May 31, 2005
Praxair Puerto Rico, B.V. Gurabo, Puerto Rico	Jul 2, 2003	Jul 17, 2003	May 31, 2005



*RA*  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety