



U.S. Department
of Transportation

Research and
Special Programs
Administration

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

JUN 17 2004

DOT-E 3302
(ELEVENTH REVISION)

EXPIRATION DATE: May 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Products and Chemicals, Inc.
Allentown, PA

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

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of certain non-flammable gases in non-DOT specification sampling bottles (cylinders). 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 in that non-DOT specification packages are not authorized and § 175.3, except as specified herein.
5. BASIS: This exemption is based on the application of Air Products and Chemicals, Inc. dated March 1, 2004, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Argon, compressed	2.2	UN1006	N/A
Helium, compressed	2.2	UN1046	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Oxygen, compressed	2.2	UN1072	N/A

7. SAFETY CONTROL MEASURES: Prescribed packagings are 130 cubic inch capacity sampling bottles fabricated from Type 304 stainless steel and designed for a service pressure of 1,800 pounds psig at 70°F. Outside diameter and length of bottles may not exceed 4 1/2 inches and 12 inches respectively, and the minimum wall thickness must be 0.207 inches. Cylinders must be hydrostatically tested at 3,000 pounds psig in accordance with § 178.53(h). One cylinder out of each lot of 500 or less must be hydrostatically tested to 5,000 psi without bursting. Each bottle must be equipped with a safety device set to function at a pressure not exceeding 1,800 psig. All old and new cylinders must be retested hydrostatically every five years at 3,000 psig in accordance with § 180.205. Each bottle must be shipped in an outside portable case that will protect the bottle during transportation. In addition, all new bottles constructed after November 15, 1971, must comply with the following:

- a. Air tested at 1,800 psig.
- b. All welded joints which are subjected to internal pressure must be radiographic inspected.
- c. Independent inspection approved in accordance with § 107.803(b)
- d. Meet all flattening and physical tests specified in § 178.53(i), (j) and (k).
- e. All test reports must be maintained for examination by DOT personnel.

- f. Test reports on the initial lot only, made after November 15, 1971, must be sent to the Office of Hazardous Materials Exemptions and Approvals. All subsequent reports must be maintained as indicated above.
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 modification or change is made to the package or its contents 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. The 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 vessel, and cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and 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 Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - 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.:



h Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JUN 17 2004
(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: cwf/dl

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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
Scott High Pressure Technology Plumsteadville, PA	Jun 30, 2003	Aug 01, 2003	Jun 30, 2004



RA
Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JUN 17 2004

(DATE)