



U.S. Department  
of Transportation

Research and  
Special Programs  
Administration

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

JUL 12 2004

DOT-E 6530  
(TWELFTH 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 document for a list of  
additional grantees)
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of hydrogen and mixtures of hydrogen with helium, argon or nitrogen, in certain cylinders filled to 110 percent of their marked service pressures. 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(b) in that flammable gases are not authorized for special filling limits in DOT specification cylinders except as specified herein.

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5. BASIS: This exemption is based on the application of Air Products and Chemicals, Inc. dated June 21, 2004, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Compressed gas, n.o.s. (mixtures containing hydrogen)	2.2	UN1956	N/A
Compressed gas, flammable, n.o.s.	2.1	UN1954	N/A
Hydrogen, compressed	2.1	UN1049	N/A

7. SAFETY CONTROL MEASURES: Prescribed packagings are DOT Specification 3A, 3AA, 3AX or 3AAX steel cylinders, not over 35 years old, that are filled to 110% of their marked service pressure, must conform to the conditions prescribed in § 173.302a(b) and the following:
- a. DOT Specification 3A and 3AX cylinders are limited to those having an intermediate manganese composition.
- b. Cylinders manufactured from intermediate manganese steel must have been normalized, not quenched and tempered. Quench and temper treatment of intermediate manganese steel is not authorized.
- c. Cylinders from chrome moly steel must have been quenched and tempered, not normalized. Use of normalized chrome moly cylinders is not permitted.
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. Cylinders must be equipped with safety relief devices as follows:

(1) Cylinders less than 65 inches in length must be equipped with fusible metal backed frangible disc devices.

(2) Cylinders 65 inches or greater in length and 9-5/8 inches in diameter or larger must be equipped with fusible metal backed frangible disc devices or frangible disc devices except cylinders having diameter of 22 inches or larger must be equipped with frangible disc devices.

d. Each cylinder or manifolded group of cylinders must be conspicuously marked "DOT-E 6530." Tube-trailers must have this marking displayed on the right side, near the front, in letters not less than 2 inches high on a contrasting background. Cylinders marked "DOT SP 6530" prior to December 30, 1976, may be transported under the terms of this exemption.

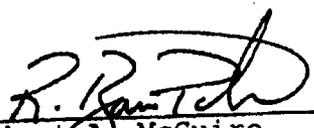
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and rail freight.
10. MODAL REQUIREMENTS: None as a requirement of this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 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 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. (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.

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

JUL 12 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: AM

**SEP 21 2004**

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:

<b>Company Name City/State</b>	<b>Application Date</b>	<b>Issue Date</b>	<b>Expiration Date</b>
AGA Gas, Inc. Independence, OH	Sep 06, 2002	Oct 07, 2002	Sep 30, 2004
AGL Welding Supply Company, Inc. Clifton, NJ	Sep 26, 2002	Oct 17, 2002	Sep 30, 2004
Air Liquide America Corporation Houston, TX	Sep 26, 2002	Oct 17, 2002	Sep 30, 2004
Air Liquide America L.P. Houston, TX	Jul 26, 2004	Aug 11, 2004	May 31, 2006
Airgas, Inc. Cheyenne, WY	Jun 1, 2004	Jun 28, 2004	May 31, 2006
BOC Gases Murray Hill, NJ	Jul 21, 2004	Jul 30, 2004	May 31, 2006
FIBA Technologies, Inc. Westboro, MA	Jul 6, 2004	Jul 28, 2004	May 31, 2006
Holox, Ltd. Norcross, GA	Oct 22, 2002	Jan 15, 2003	Sep 30, 2004
Linde Gas, LLC Independence, OH	Jul 23, 2004	Jul 30, 2004	May 31, 2006
Matheson Tri-Gas, Inc. East Rutherford, NJ	July 6, 2004	Jul 28, 2004	May 31, 2006
Messer Griesheim Industries, Inc. Malvern, PA	Sep 04, 2002	Oct 07, 2001	Sep 30, 2004
National Welders Supply Co., Inc. Charlotte, NC	Sep 2, 2004	<b>SEP 21 2004</b>	May 31, 2006
Praxair Distribution Southeast, LLC Tequesta, FL	Jul 21, 2004	Jul 30, 2004	May 31, 2006
Praxair Distribution, Inc. Danbury, CT	Jul 30, 2004	Aug 11, 2004	May 31, 2006

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Company Name City/State	Application Date	Issue Date	Expiration Date
Praxair Puerto Rico, B.V. Gurabo, PR	Jun 23, 2004	Jul 12, 2004	May 31, 2006
Praxair, Inc. Danbury, CT	Jul 30, 2004	Aug 11, 2004	May 31, 2006
Proton Energy Systems Wallingford, CT	Aug 26, 2002	Oct 07, 2002	Sep 30, 2004
SOS Gases, Inc. Kearny, NJ	Aug 29, 2002	Oct 07, 2002	Sep 30, 2004
Scott Specialty Gases, Inc. Plumsteadville, PA	Oct 28, 2002	Nov 25, 2002	Sep 30, 2004
nexAir, LLC Memphis, TN	Oct 24, 2002	Nov 08, 2002	Sep 30, 2004



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