JUL 9 2004

U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 13325

EXPIRATION DATE: June 30, 2006

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

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of hydrogen chloride, anhydrous in approximately 6,500 DOT specification seamless steel cylinders which are equipped with a CG-4 pressure relief device (PRD) set at 3,360 psig. 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. The safety analyses did not consider the hazards and risks associated with consumer use or other uses not associated with transportation in commerce.

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

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.301(f)(3) and 180.205(c)(4) in that the use of a CG-4 pressure relief device with a burst pressure outside of the specified tolerance is not authorized, except as specified herein.

5. BASIS: This exemption is based on the application of Air Products and Chemicals, Inc. (APCI) dated October 6, 2003 submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi-fication Number	Packing Group
Hydrogen chloride, anhydrous	2.3	UN1050	N/A Hazard Zone C

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed are approximately 6,500 DOT Specification 3A-2265, 3AA-2265, 3A-2400, and 3AA-2400 cylinders with water capacities less than or equal to 1,000 pounds. Each cylinder is equipped with a CG-4 style pressure relief device (PRD) with a burst pressure setting of 3,360 psig.

b. OPERATIONAL CONTROLS -

(1) The maximum permitted fill density of each cylinder is less than or equal to 65 percent of the cylinder's water volume at 60°F.

(2) The pressure in the cylinder may not exceed 95 percent of the cylinders test pressure at 65°C (149°F).

(3) The pressure in the cylinder may not exceed 90 percent of the start-to-discharge pressure of the cylinders pressure relief device at 54.4°C (130°F).

(4) Cylinders must be filled by weight. The maximum tolerance of the scale must be +/- 0.5%.

(5) Each cylinder valve and PRD must be replaced in accordance with Air Products "Valve Maintenance Schedule" (000-PKG-221) on file with the Office of Hazardous Materials Exemptions and Approvals and all of the PRDs must be in conformance with the requirements of § 173.301(f)(3) prior to January 1, 2015.

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 cylinder or its content 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. Each cylinder must be plainly and durably marked "DOT-E 13325" as specified in § 172.301(c).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and 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. 5101 et seq:

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

JUL 9 2004
(DATE)

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Robert A. McGuire
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.

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.

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