

February 11, 2004



U.S. Department
of Transportation

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

**Research and
Special Programs
Administration**

DOT-E 13312

EXPIRATION DATE: January 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Products & Chemicals, Inc.
Allentown, PA
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of certain DOT-3, 3A, and 3AA cylinders in chlorine service with a pressure relief device that does not meet the requirements of 49 CFR 173.301(f)(3). 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, use as a component of a transport vehicle or other device, 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); 180.205(c)(4) in that the pressure relief device setting is not as required.
5. BASIS: This exemption is based on the application of Air Products & Chemicals, Inc. dated August 18, 2003 submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Chlorine	2.3	UN1017	N/A

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Packagings prescribed are DOT Specification 3, 3A, and 3AA cylinders with a marked service pressure of 2265 or 2400 psig. Cylinders are equipped with CG-4 type pressure relief devices with a rating of 3360 psig.
- b. TESTING - Cylinders must be periodically requalified using ultrasonic testing in accordance with existing DOT exemptions applicable to DOT Specification 3, 3A, and 3AA cylinders.
- c. OPERATIONAL CONTROLS -
 1. Cylinders must be in dedicated Chlorine service.
 2. Cylinders must be filled to a maximum filling density of 125% in accordance with 49 CFR 173.304a.
 3. The pressure relief devices must be replaced with devices that meet the requirements of 49 CFR 173.301(f)(3) and 180.205(c)(4) at the time the cylinder valves are removed in accordance with Air Products and Chemicals procedure "Valve Maintenance Schedule 000-PKG-221" on file with the Office of Hazardous Materials Exemptions and Approvals.

4. Cylinders authorized under this exemption must be equipped with pressure relief devices that meet the requirements of 49 CFR 173.301(f) (3) and 180.205(c) (4) no later than December 31, 2013.

c. MARKING - Each cylinder must be plainly and durably marked with "DOT-E 13312".

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.

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

10. MODAL REQUIREMENTS: There are no modal specific requirements associated with 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 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.:



for 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.

PO: WEST FREEMAN