

February 4, 2008



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue S.E.  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 14620

**EXPIRATION DATE:** December 31, 2009

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Air Products and Chemicals, Inc.  
Allentown, PA
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes filling and discharging of a DOT Specification 4L cylinder with certain Division 2.2 compressed gases without removal from the transport vehicle. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 172.301(b) and (c) in that the packaging need not be marked with the special permit number and 177.834(h) in that a DOT Specification 4L cylinder may not be filled or discharged without being removed from the motor vehicle, except as specified herein.
5. BASIS: This special permit is based on the application of Air Products and Chemicals, Inc. dated November 19, 2007 submitted in accordance with § 107.105 and the public proceeding thereon.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
<b>Argon, refrigerated liquid (cryogenic liquid)</b>	<b>2.2</b>	<b>UN1951</b>	<b>N/A</b>
<b>Nitrogen, refrigerated liquid (cryogenic liquid)</b>	<b>2.2</b>	<b>UN1977</b>	<b>N/A</b>
<b>Oxygen, refrigerated liquid (cryogenic liquid)</b>	<b>2.2</b>	<b>UN1073</b>	<b>N/A</b>

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a vacuum insulated DOT Specification 4L (§ 178.57) welded cylinder that must be in compliance with all requirements of the HMR (including, but not limited to design service temperatures, pressure relief devices, and filling limits) applicable to the hazardous material to be transported.

b. OPERATIONAL CONTROLS -

(1) Cylinders must be securely attached in an upright position within an enclosed vehicle. The securement assemblies must be equal in strength to one and one-half times the weight of each cylinder or group of cylinders. A minimum of two securement assemblies must be used on each cylinder or group of cylinders.

(2) Cargo area doors must be left open during the transfill process.

(3) Each motor vehicle transporting a packaged covered by this special permit must be attended at all times during loading and unloading operations by a qualified person. For the purposes of this requirement, "attended" and "qualified" have the meanings described in § 177.834(i)(3) and (4), respectively.

(4) The fill/transfer hose must be completely vented of hazardous material prior to transport within the vehicle.

(5) The cargo areas of the vehicle must contain a minimum of three vents, two on the forward portion (one on each side) and one in the rear portion of the cargo compartment. The vents must be of the fixed, open type, and must be placed at or near the floor level and kept unobstructed.

(6) "No Smoking" signage must be displayed on the exterior and interior of the vehicles carrying the cylinders.

(7) The vehicle's motor must be turned off during any fueling and transfilling processes.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit 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 special permit and the HMR.

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

c. The marking requirements specified in §§ 172.301(b) and (c) are waived.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit 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 special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit 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 special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous

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materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Theodore L. Willke  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm). Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: CWF