

February 23, 2009



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 7954  
(TWENTY-FIFTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of certain compressed gases in manifolded DOT Specification cylinders. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
  - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.40(e) in that manifolding is not authorized for cylinders containing Division 2.3 materials, § 173.302a(a)(4) in that DOT 3AAX and 3T Specification cylinders are not authorized for Division 2.3 materials, and in that the compliance date is extended as specified herein.
5. BASIS: This special permit is based on the Pipeline and Hazardous Materials Safety Administration's (PHMSA) editorial review under § 107.121 initiated on December 4, 2008.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Material Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Compressed gas, toxic, oxidizing, corrosive, n.o.s. --(contains Fluorine) (from 3.7 to less than 21.5 percent) (Hazard Zone will be determined in accordance with the latest edition CGA Pamphlet P20)	2.3	UN3306	None
Silicon tetrafluoride	2.3	UN 1859	None, Hazard Zone B

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are as follows:

(1) For compressed gas, toxic oxidizing, corrosive, n.o.s. - DOT Specification 3A2400, 3AAX2400, 3AA2400, 3T, or DOT-SP 13230-2400 cylinders in a manifolded arrangement; and

(2) For Silicon tetrafluoride - DOT Specification 3A 2265 or 3AA 2265 cylinders in a manifolded arrangement.

b. A pressure relief devices is not required. If installed, Pressure relief devices must comply with CGA Pamphlet S-1.1.

c. Each cylinder must be equipped with an individual shut-off valve, which must be kept tightly closed while in transit. The design must be such that there can be no interchange of container contents during transportation.

d. The manifolded piping must be equipped with a master shut-off valve suitable for lading, having a leak-tight cap on the valve outlet at the termination of the piping.

e. Manifold branch lines to these individual shut-off valves must be sufficiently flexible to prevent damage to the valves which otherwise might result from the use of rigid branch lines.

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. When transported by cargo vessel, packages which contain gas mixtures consisting of 3.7 percent or more fluorine must be stowed on deck only. These packages must be stowed "away from" living quarters, foodstuffs, and readily combustible organic materials.

d. MARKING - For tube trailers and modules, each motor vehicle must be plainly marked on the right side near the front in letters at least 2 inches high on a contrasting background "DOT-SP 7954".

e. PLACARDING - Shipments made under the provisions of this special permit must be placarded: (1) with Division 5.1 placards for gas mixtures containing less than 3.7 percent of fluorine, (2) with Division 2.3, Division 5.1 and Class 8 placards for gas mixtures containing 3.7 percent to less than 21.5 percent of fluorine, and (3) silicon tetrafluoride (SiF<sub>4</sub>) with Division 2.3, Division 8.

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

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

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 the 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

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materials incidents, and 171.16 - Detailed hazardous 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.:



Aiane LaValle

for Theodore L. Willke  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

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.

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