

January 18, 2006



U.S. Department
of Transportation

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

**Pipeline and
Hazardous Materials
Safety Administration**

DOT-SP 6908
(ELEVENTH 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 materials described in paragraph 6 below, in non-DOT specification cylinders similar to DOT Specification 39 cylinders. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - 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 § 173.302a(a)(1) and § 175.3 in that non-DOT specification cylinders are not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of U.S. Department of Defense dated March 11, 2005, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Argon, compressed	2.2	UN1006	N/A
Air, compressed	2.2	UN1002	N/A
Compressed gas, n.o.s.	2.2	UN1956	N/A
Helium, compressed	2.2	UN1046	N/A
Nitrogen, compressed	2.2	UN1066	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a non-refillable, non-DOT specification spherical pressure vessel designed and constructed in accordance with Garrett Pneumatic Systems Division Specification No. GPS 6060-2 Revision A, and drawings 3165171 and 3236804, other drawings, technical specifications and calculations on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA), and DOT Specification 39 (§ 178.65) except as follows:

§ 178.65(a) *Type, size, service pressure and test pressure.*

* * *

(1) *Size limitation.* Maximum water capacity may not exceed: (i) 95 cubic inches for a service pressure of 10,000 psig, (ii) 217 cubic inches for a service pressure of 7,800 psig, (iii) 270 cubic inches for a service pressure of 7,000 psig.

(2) *Test pressure.* Test pressure must be at least 1.67 but not to exceed 1.7 times the marked service pressure.

(3) * * *

§ 178.65(b) *Material*. The cylinder must be constructed of steel conforming to the following requirements:

(1) Steel.

(i) The check analysis must conform to 4130 steel shown in § 178.44(b).

(ii) through (iv) * * *

(2) Does not apply.

(3) and (4) * * *

§ 178.65(d) *Wall thickness*.

No change except the maximum wall stress at test pressure is limited to 110,000 psi.

§ 178.65(f) *Pressure tests*.

(1) * * *

(2) * * *

(i) A failure occurs at a gauge pressure less than 2.5 times the service pressure.

(ii) thru (iv) * * *

(3) A lot is defined as the quantity of cylinders not exceeding 1000 successively produced per production shift (not exceeding 10 hours) having identical size, design, construction, material, heat treatment, finish and quality.

§ 178.65(g) *Flattening test*.

* * *

(1) and (2) * * *

(3) The flattening must be between 60 degrees included-angle, wedge shaped knife edges, rounded to a 0.5 inch radius; provided that flattening between flat plates is authorized for spheres or test specimens.

(4) Spheres or test specimens must not crack when flattened so that their outer surfaces are not more than ten times wall thickness apart.

(5) * * *

§ 178.65(i) *Markings.*

Applies except spheres must be marked "DOT-SP 6908" instead of "DOT-39".

b. OPERATIONAL CONTROLS - Spheres must be shipped in strong outside packagings in accordance with § 173.301(a)(9). The package must be capable of withstanding a twelve foot drop onto solid concrete without damage to the pressure vessel and without leakage.

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 modifications or changes are made to the package 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. Packagings permanently marked 'DOT-E 6908', prior to October 1, 2007, may continue to be used under this special permit for the remaining service life of the packaging or until the special permit is no longer valid. Packagings marked on or after October 1, 2007, must be marked 'DOT-SP 6908'.

d. Shipping papers displaying 'DOT-E 6908' may continue to be used until October 1, 2007, provided the special permit remains valid.

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

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

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shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.

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 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 Robert A. McGuire
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 Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: dl