

March 17, 2006



U.S. Department
of Transportation

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

**Pipeline and
Hazardous Materials Safety
Administration**

DOT-SP 12677
(FOURTH 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 Division 1.1, 1.4, 1.5D explosives, Division 5.1 oxidizers, Class 8 corrosive liquids and combustible liquids in separate containers mounted on the same vehicle frame structure. 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. 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 § 177.835(c)(3) in that Division 1.1 explosives may not be loaded into or carried on any vehicle in a combination with a cargo tank containing material required to be placarded under § 177.823 (i.e., Combustible liquid, n.o.s.) except as specified herein; § 177.848(e) Table in that Division 1.1 and 1.5 explosives may not be shipped together with Division 5.1 or Class 8 liquids except as specified herein; and § 177.848(g) in that Compatibility Group B detonators may not be carried on the same motor vehicle as Compatibility Group D explosives except as specified herein.

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5. BASIS: This special permit is based on the application of Austin Powder Company dated February 23, 2005, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/Division	Identification Number	Packing Group
Acetic acid solution, <i>not less than 50 percent but not more than 80 percent acid by mass</i>	8	UN2790	II
Ammonium nitrate-fuel oil mixture <i>containing only prilled ammonium nitrate and fuel oil</i>	1.5D	NA0331	II
Ammonium nitrate	5.1	UN1942	III
Articles, explosive, n.o.s. (Shock tubing containing HMX)	1.4S	UN0349	II
Boosters, <i>without detonator</i>	1.1D	UN0042	II
Cord, <i>detonating, flexible</i>	1.1D	UN0065	II
Detonator assemblies, <i>non-electric, for blasting</i>	1.4B	UN0361	II
Detonators, <i>electric, for blasting</i>	1.4B	UN0255	II
Explosive, <i>blasting, type A</i>	1.1D	UN0081	II
Explosive, <i>blasting, type E or Agent blasting, Type E</i>	1.5D	UN0332	II
Explosive, <i>blasting, type B or Agent blasting, Type B</i>	1.5D	UN0331	II
Explosives, <i>blasting, type E</i>	1.1D	UN0241	II
Fuel Oil (No. 2)	Combustible	NA1993	III
Nitrites, <i>inorganic, aqueous solution, n.o.s. (sodium nitrite)</i>	5.1	UN3219	III

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Oxidizing liquid, n.o.s. (contains ammonium nitrate/fuel oil aqueous emulsion)	5.1	UN3139	II

7. SAFETY CONTROL MEASURES:a. PACKAGING - Prescribed packagings are as follows:

(1) Division 1.1D and 1.5D explosives must be packaged as prescribed in the § 173.62(c) Table according to their UN number and overpacked in an IME Safety Library Publication 22 (IME-22) container.

(2) Division 1.4B electric detonators and non-electric detonator assemblies as well as the Division 1.4S shock tube must be packaged according to §§ 173.63(f) or (g) in a separate IME-22 container.

(3) Combustible liquids (NA1993) must be packaged in DOT Specification or non-DOT specification cargo tanks not to exceed 210 gallons, as described in Tread Corporation Drawing Nos. P1555-3C Rev. A (body profile) dated September 19, 1997 or P1664-1D Rev. A (saddle-mounted) dated May 19, 1998 on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA).

(4) Ammonium nitrate (UN1942), Division 5.1, and ammonium nitrate/fuel oil mixtures (NA0331), Division 1.5D, must be packaged in non-DOT specification cargo bins as described in Tread Corporation Drawing No. 100-C540 Rev 6 dated November 1, 1985 on file with OHMSPA.

(5) Bulk explosives, blasting, type E, Division 1.5D and all oxidizing liquids, n.o.s., Division 5.1, must be packaged in DOT Specification 406, 407, 412 MC 306, MC 307 or MC 312 cargo tanks or in non-DOT specification cargo tanks described in Atlas Powder Company drawings RS-41701, RS-41702 and RS-41703 (2,376-gallon capacity). The non-DOT specification cargo tanks are currently authorized under DOT-SP 8453.

(6) Nitrites solution (UN3219 containing not more than 40 percent sodium nitrite in water) and Acetic acid solution (UN2790 with not less than 50 percent but not more than 80 percent acetic acid) must be separately packaged in 1/8 inch thick stainless steel non-DOT specification containers which are permanently mounted on the motor vehicle and have a capacity not to exceed 115 gallons as shown in Tread Corporations Drawing No. P1338T-1D, Rev. B dated December 2, 1996 on file with OHMSPA.

b. OPERATIONAL CONTROLS -

(1) Transportation is limited to private carriage or to contract carriers specifically identified to, and acknowledged in writing by OHMSPA prior to the first shipment.

(2) The two (2) IME 22 containers must be located directly behind the cab on opposite sides of the motor vehicle. The IME 22 containers may not share a common wall or be in direct contact with any cargo tank, tank bin, pump or piping containing a hazardous material.

(3) Cargo tanks containing combustible liquids and the non-DOT specification containers containing the nitrite solution and acetic acid solution may not have common walls with each other or with any other compartment, tank or bin on the motor vehicle.

(4) The nitrite solution cargo tank must be located below and away as far as practical from cargo tanks containing ammonium nitrate or ammonium nitrate emulsions on the frame structure of the motor vehicle.

(5) None of the materials in any cargo tank or bin on the motor vehicle may be mixed, transferred or circulated while the vehicle is in transit on a public road or highway.

(6) All transfer pumps must be equipped with at least two positive means to prevent operation while in transportation. All process lines must be clear of any hazardous materials and all valves must be securely closed before transport on a public road or highway.

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(7) All nitrite solution cargo tank transfer piping and pumps must be completely drained prior to transport on a public road or highway.

8. SPECIAL PROVISIONS:

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

b. The motor vehicle must be plainly and durably marked on both sides near the front, in letters and numbers at least 5 cm (2 inches) high on a contrasting background "DOT-SP 12677."

c. Packagings permanently marked 'DOT-E 12677', 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 12677'.

d. Shipping papers displaying 'DOT-E 12677' may continue to be used until October 1, 2007, provided the special permit remains valid.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS:

a. A current copy of this special permit must be carried aboard each motor vehicle used to transport hazardous materials covered by this special permit.

b. Drivers must have been instructed as to the necessary safeguards and proper procedures in the event of an unusual delay, fire, explosion or accident involving the hazardous materials 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 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

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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: scw/dl