

April 5, 2010



U.S. Department  
of Transportation

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

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 9548  
(EIGHTH 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 a non-DOT specification IMO Type I portable tank. This special permit provides no relief from any 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 § 173.244, in that a non-DOT specification IMO Type I portable tank is authorized.
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 Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
Motor fuel anti-knock mixtures	6.1	UN1649	I

7. SAFETY CONTROL MEASURES:

PACKAGING - Prescribed packaging is a non-DOT specification portable tank, mounted in an ISO frame, designed and constructed in accordance with Fruehauf S.A. drawing number 840236, other drawings, technical specifications and calculations on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA) and in compliance with the following:

(a) Code -- Compliance with DOT Specification 51 except that the tanks are not ASME Code "U" stamped; IMO Type 1.

(b) Insulation -- None.

(c) Water Capacity (U.S. Gallons) -- 3,038.

(d) Material -- Spanish fine grain carbon steel A52D, Yield strength - 51,090 psi; Tensile strength - 73,800 psi; Equivalent to ASTM A516 grade 70.

(e) Tank Size (inches) (outside dia.) X (length) X (thickness)  
65.75                      224.5                      0.3504 (min)

Head Thickness -- 0.3740 (min)

Weld Joint Efficiency -- 1.0

Corrosion Allowance -- 0.0

(f) Design Pressure (PSIG) -- 200

Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.

(g) Test Pressure, Minimum (PSIG) -- 300

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(h) Openings -- One (1) - 20 inch diameter manhole containing filling and discharge connections, vent connection, pressure relief device connection a blank flange on top; no bottom outlets.

(i) Tank surface area (square feet) -- 342

(j) Pressure Relief Devices -- One (1) - 1.5 inch diameter spring loaded safety relief valve in series with and outboard of a rupture disc both set at 200 psig. Total relief device capacity is 256,800 SCFH.

(k) G-Loadings: Vertical down 2; Vertical up 2;  
Longitudinal 2; and Transverse 2.

(l) Maximum Gross Weight (pounds) -- 51,000

(m) Maximum Commodity Weight (pounds) -- 38,610

(n) Tare Weight (pounds) -- 12,390

(o) Design Specific Gravity -- 1.52

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. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-SP 9548".

d. Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

e. Each portable tank must be marked "MOTOR FUEL ANTIKNOCK COMPOUND" or "ANTIKNOCK COMPOUND".

f. The tank must be filled so as not to be liquid full at less than or equal to 130°F.

g. Each tank must be (i) visually inspected prior to each trip to ensure that it has not been damaged on the previous trip; (ii) visually inspected at least once every 2-1/2 years as prescribed for IM 101 portable tanks in § 180.605(d), except that an internal inspection is not required; (iii) reinspected once every five years in accordance with § 180.605(e), as prescribed for a DOT Specification 51 portable tank, except that an internal inspection is not required provided that an ultrasonic thickness test is performed; and (iv) retested once every five years in accordance with § 180.605(e) as prescribed for a DOT Specification 51 portable tank. If an ultrasonic thickness is used as an alternative to an internal inspection, it must be performed in conformance with applicable procedures specified for thickness testing of cargo tanks as set forth in § 180.407(i).

h. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.

i. "DOT-SP 9548" must be stamped on the metal manufacturer's data plate on the line which reads "U.S. DOT Specification No.".

j. For each portable tank, the manufacturer must prepare a certificate which must be signed by a responsible official of the manufacturer and an independent inspection agency certifying that the portable tank is designed and constructed in accordance with the ASME Code and this special permit. The certificate for the first portable tank fabricated must be submitted to the OHMSPA prior to the initial shipment.

k. The construction of all portable tanks authorized by this special permit started after November 1, 1986, must be in full conformance with ASME Code including the "U" stamp.

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9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle and 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.:



for Dr. Magdy El-Sibaie  
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: PTO/sln