

January 27, 2011



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 14640  
(FIRST 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 packages containing very small quantities of certain PG I hazardous materials, identified as analytical standards, that are not authorized for transportation aboard passenger-carrying aircraft under the excepted quantity provisions of § 173.4a. 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 the development of this special permit only considered the hazards and risks associated with the 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.
  - d. This special permit does not grant authority to use foreign controlled airspace or airports outside the United States.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.4a(b) in that the hazardous materials must be authorized aboard passenger-carrying aircraft to be offered as an excepted quantity for air transportation, except as provided herein.

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5. BASIS: This special permit is based on the application of Chem Service, Inc. dated January 3, 2008 submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated March 19, 2010.
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>
Acetaldehyde	3	UN1089	I
Acrolein, stabilized	6.1	UN1092	I, Hazard Zone A
Allyl alcohol	6.1	UN1098	I, Hazard Zone B
Allylamine	6.1	UN2334	I, Hazard Zone B
Carbon disulfide	3	UN1131	I
Crotonaldehyde, stabilized	6.1	UN1143	I, Hazard Zone B
Dimethyl sulfate	6.1	UN1595	I, Hazard Zone B
Dimethylhydrazine, unsymmetrical	6.1	UN1163	I, Hazard Zone B
Ethyl chloroformate	6.1	UN1182	I, Hazard Zone B

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Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Ethylene chlorohydrin	6.1	UN1135	I, Hazard Zone B
Ethylene dibromide	6.1	UN1605	I, Hazard Zone B
Methyl iodide	6.1	UN2644	I, Hazard Zone B
Methyl isocyanate	6.1	UN2480	I, Hazard Zone A
Phenyl isocyanate	6.1	UN2487	I, Hazard Zone B
Phenyl mercaptan	6.1	UN2337	I, Hazard Zone B

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging must conform to the provisions of § 173.4 with the following additional requirements:

(1) The maximum quantity of material per inner receptacle or article is 1 g (0.04 oz.) and the maximum quantity of material per outer package is 2 g (0.08 oz.)

(2) No inner receptacle may be liquid-full at 55°C (131°F);

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(3) Each inner receptacle must be constructed of plastic having a minimum thickness of no less than 0.02 mm (0.008 inch), or earthenware, glass or metal;

(4) Each inner receptacle with a removable closure has its closure held securely in place with wire, tape, or other positive means;

(5) If used as an inner receptacle, glass ampules must be placed within a fiberboard or plastic shield to provide additional mechanical protection.

(6) Inner receptacles must be packaged with cushioning and absorbent material that:

(i) Will not react chemically with the material; and

(ii) Is capable of absorbing the entire contents (if a liquid) of the receptacle.

(7) The inside packaging must be securely packed in a metal box or can;

(8) The metal box or can must be sealed with tape and then enclosed in a heat sealed polyethylene bag of 0.004 inch minimum thickness;

(9) The metal box, in its sealed polyethylene bag must be further packaged in a fiberboard container and must have been tested as specified in § 173.4(a)(6).

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 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.

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c. MARKING - In addition to the marking requirements of § 173.4, each package offered under this special permit must be plainly and durably marked "Analytical Samples" and "DOT-SP 14640."

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, cargo aircraft only, and passenger-carrying aircraft.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this special permit. The 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

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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 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.

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