

June 21, 2006



U.S. Department  
of Transportation

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

**Pipeline and  
Hazardous  
Materials Safety  
Administration**

DOT-SP 11286  
(SIXTH 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 small quantities of hazardous materials which are not authorized under § 173.4, when packaged according to the limitations and special requirements specified herein. This special permit provides no relief from any hazardous material regulation (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 § 172.203 and § 173.4(a) in that Divisions 2.2 and 2.3 materials are not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of International Sensor Technology dated February 28, 2005 submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identi- fication Number</b>	<b>Packing Group</b>
Ammonia, anhydrous	2.3	UN1005	n/a
Boron trichloride	2.3	UN1741	n/a
Boron trifluoride, compressed	2.3	UN1008	n/a
Carbon disulfide	3	UN1131	n/a
Chlorine	2.3	UN1017	n/a
Cyanogen chloride, stabilized	2.3	UN1589	n/a
Dichlorosilane	2.3	UN2189	n/a
Dinitrogen tetroxide	2.3	UN1067	n/a
Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1MPa (10 bar) at 50 degrees C	2.3	UN1040	n/a
Hydrogen bromide, anhydrous	2.3	UN1048	n/a
Hydrogen chloride, anhydrous	2.3	UN1050	n/a
Hydrogen fluoride, anhydrous	2.3	UN1052	n/a
Hydrogen sulfide	2.3	UN1053	n/a
Methyl bromide	2.3	UN1062	n/a
	2.3	UN1064	n/a

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Methyl mercaptan			
Nitric acid <i>other than red fuming, with not more than 70 percent nitric acid</i>	2.3	UN2031	n/a
Nitric oxide, compressed	2.3	UN1660	n/a
Nitrogen trifluoride, compressed	2.2	UN2451	n/a
Sulfur dioxide	2.3	UN1079	n/a

\*Shipped in gaseous form only.

7. SAFETY CONTROL MEASURES:

a. PACKAGING - The inner packaging is a hermetically sealed glass serum bottle containing not more than 20 ml of a pure non-liquefied gas or 10 ml of a liquid. The internal pressure of the bottle must not exceed 170 kPa (24.6 psia), at 20 degrees Celsius. The inner package must also remain hermetically sealed at 55 degrees Celsius. The sealed serum bottle must be wrapped in cushioning material and placed inside a piece of SCH 40 polyvinyl chloride (PVC) pipe. Each end of the pipe must be filled with an absorbent/cushioning material sufficient to absorb the entire contents of the bottle and to prevent movement inside the PVC pipe during transportation. The threaded pipe must be hermetically sealed with the threaded caps and only one bottle is allowed per pipe. The pipe must then be placed within a heat-sealed plastic bag.

A maximum of 6 pipes, with cushioning, can be placed in one outside box.

b. TESTING - The completed package must meet the testing requirements of § 173.4.

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

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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. MARKING - The package must be marked "This package conforms to conditions and limitations specified in § 173.4 and DOT-SP 11286".

d. Transportation of Division 2.3 (gases which are poisonous by inhalation) are not authorized aboard cargo vessel or aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).

e. Packagings permanently marked 'DOT-E 11286', 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 11286'.

f. Shipping papers displaying 'DOT-E 11286' 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 and 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 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 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 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.

A handwritten signature in blue ink, appearing to read "R. Ryan Taylor".

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](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm)  
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PO: AM