

January 11, 2007



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 11780
(SIXTH REVISION)

EXPIRATION DATE: December 31, 2010

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Agilent Technologies, Inc.
Loveland, CO
2. PURPOSE AND LIMITATIONS:
 - a. This special permit authorizes the manufacture, mark, sale and use of certain x-ray systems containing sulfur hexafluoride for transportation in commerce. 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.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: The labeling requirements in § 172.400(a) except when offered for transportation by air, the placarding requirements in § 172.500(a), and § 173.304a(a)(2) and § 175.3 in that the prescribed packaging is not listed as an authorized packaging, except as specified herein.
5. BASIS: This special permit is based on the application of Agilent Technologies, Inc. dated January 8, 2007, submitted in accordance with § 107.109.

January 11, 2007

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Sulfur hexafluoride	2.2	UN1080	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are x-ray assemblies, consisting of a non-DOT specification pressure vessel, a x-ray tube and other instrumentation. The sulfur hexafluoride is contained in the pressure vessel.

- (1) The pressure vessel must be designed, constructed, certified and stamped in accordance with Section VIII, Division 1 of the ASME Code with a maximum allowable working pressure of 90 psig.
- (2) The pressure vessel may not be charged with sulfur hexafluoride to a pressure exceeding 65 psig at 70°F. Additionally, the pressure vessel must be equipped with a pressure relief device with a maximum set pressure of 90 psig.
- (3) The x-ray assembly must be in accordance with Hewlett-Packard drawing D-E7200-67969-1 on file with the Office Hazardous Materials Special Permits and Approvals (OHMSPA).

b. TESTING -

- (1) Each pressure vessel must be pressure tested to at least 135 psig.
- (2) Each pressure vessel must be checked for leaks prior to shipment.

c. OPERATIONAL CONTROLS - Individual pressure vessels must be overpacked in strong outside containers. X-ray assemblies must be shipped in closed motor vehicles. When so packed, the pressure vessels or assemblies are exempt

January 11, 2007

from labeling, except when offered for transportation by air, and from placarding.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this special permit for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this special permit.

b. A person who is not a holder of this special permit, but receives a package covered by this special permit, may reoffer it for transportation provided no modification or change is made to the package or its contents and it is offered for transportation in conformance with this special permit and the HMR.

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

d. Each packaging manufactured under the authority of this special permit must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Special Permits and Approvals Program for a specific manufacturing facility.

e. A current copy of this special permit must be maintained at each facility where the package is manufactured under this special permit. It must be made available to a DOT representative upon request.

f. MARKING - Each outside packaging must be marked "DOT-SP 11780".

g. This special permit serves as a Competent Authority Approval (CA-9709001) by the Associate Administrator for Hazardous Materials Safety of the United States Department of Transportation, issued in accordance with Paragraph 7.9 of the International Maritime Dangerous Goods (IMDG) Code and Part 1; Chapter 1, Paragraph 1.2 of the International Civil Aviation Organization's Technical Instructions for the Safe Transportation of Dangerous Goods by Air (ICAO TI).

January 11, 2007

h. Packagings permanently marked 'DOT-E 11780', 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 11780'.

g. Shipping papers displaying 'DOT-E 11780' 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, and passenger-carrying aircraft.
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, 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 and 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.

January 11, 2007

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 Bob Richard
Deputy 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: CWFreeman/sln