

June 22, 2006



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 9969
(TENTH 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 in permeation devices without shipping papers, labeling and placarding. 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. 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: Shipping papers, marking (except for § 172.301(c)), labeling and placarding requirements specified in 49 CFR Part 172 Subparts C, D, E and F.
5. BASIS: This special permit is based on an application of VICI Metronics, Inc. dated September 27, 2004 submitted in accordance with § 107.109 and additional information dated October 7, 2004 submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
See Appendix 1	See Appendix 1	See Appendix 1	As appro- priate

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification package described as a permeation device. The permeation device consists of the following:

(1) An inner receptacle of which is a steel or aluminum tube having a maximum volume of 80 cc.

(2) The inner receptacle is connected to a scrubber cartridge which contains sufficient absorbent material to absorb the entire contents of the inner receptacle. The scrubber cartridge must be attached to the diffusion end of the inner receptacle by means of a hermetically tight seal as shown on GC Industries drawings 11-0172, 11-0173 and 11-0174 on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA) or the diffusing end of the inner receptacle may be hermetically sealed using a pipe or tubing cap so as to contain all of the contents within the inner receptacle.

(3) The inner receptacle and scrubber cartridge assembly must be placed in a sealed plastic bag and placed in a 2" pipe nipple with threaded caps made hermetically tight with Teflon tape or other suitable material. The pipe may be steel or polyvinyl chloride (PVC) depending on the chemical to be transported as shown in GC Industries Drawing No. 730-0017 on file with OHMSPA.

(4) The complete pipe assembly must be placed in a DOT Specification UN 4G fiberboard box.

b. TESTING - Each inner receptacles must be capable of withstanding 2000 psig without leakage.

c. OPERATIONAL CONTROLS -

- (1) The maximum pressure in the permeation device at 70°F must not exceed 500 psig.
- (2) No more than one inner receptacle and scrubber cartridge assembly may be placed in one pipe assembly.
- (3) More than one pipe assembly may be contained within the DOT Specification UN 4G fiberboard box.
- (4) Wherever PVC pipe is authorized, steel pipe may also be used.

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 or its contents 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 - Each DOT Specification UN 4G fiberboard box must be marked "DOT-SP 9969" as specified in § 172.301(c).

d. Transportation of Division 2.1 materials (flammable gases) and Division 2.3 materials (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. The transportation of oxygen by aircraft is only authorized when in accordance with § 172.102(c)(2) Special Provision A52 and §§ 175.85(h) and (i).

f. Packagings permanently marked 'DOT-E 9969', 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 9969'.

- g. Shipping papers displaying 'DOT-E 9969' 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 (see restrictions in paragraphs 8.d and 8.e).
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

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

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: CH/sln

GC INDUSTRIES, INC.
G-CAL Permeation Devices
DOT Classifications

TRADENAME	UN #	MAX. QTY PER TUBE	HAZARD CLASS	HAZARD ZONE	**LABELS REQUIRED - IF NOT EXEMPTED**		
					LABEL 1	LABEL 2	LABEL 3
1,1,1 Trichloroethane	UN2831	5 grams	6.1		NO FOODS		
1,3-Butadiene	UN1010	10 grams	2.1		FLAM. GAS		
Acetaldehyde	UN1089	5 grams	3		FLAM LIQ.		
Acetic Acid	UN2789	5 grams	8		CORROSIVE		
Acetone	UN1090	5 grams	3		FLAM. LIQ.		
Acrolein	UN1082	5 grams	6.1	A	POISON	FLAM. LIQ.	
Acrylonitrile	UN1093	5 grams	3		FLAM. LIQ.	POISON	
Allyl Alcohol	UN1068	5 grams	6.1		POISON	FLAM. LIQ.	
Ammonia, anhydrous, liquified	UN1005	30 grams	2.3	C	POISON GAS		
Amyl Mercaptan	UN1111	5 grams	3		FLAM. LIQ.		
Aniline	UN1547	5 grams	6.1		POISON		
Aralne	UN2188	5 grams	2.3	A	POISON GAS	FLAM. GAS	
Benzene	UN1114	5 grams	3		FLAM LIQ.		
Boron Trichloride	UN1741	5 grams	2.3	A	POISON GAS	CORROSIVE	
Boron Trifluoride	UN1008	5 grams	2.3	B	POISON GAS		
Butane, liquified	UN1011	30 grams	2.1		FLAM GAS		
Butanol	UN1120	5 grams	3		FLAM LIQ		
Butene	UN1075	30 grams	2.1		FLAM. GAS		
Butyl Acetate	UN1123	5 grams	3		FLAM LIQ		
Butyl Acrylate	UN2348	5 grams	3		FLAM. LIQ.		
Butyl Mercaptan	UN2347	5 grams	3		FLAM LIQ		
Carbon Dioxide	UN1013	30 grams	2.2		NON-FL GAS		
Carbon Disulfide	UN1131	5 grams	3		FLAM. LIQ. - 2.	POISON	
Carbon Monoxide	UN1018	30 grams	2.3	D	POISON GAS	FLAM GAS	
Carbon Tetrachloride	UN1848	5 grams	6.1		POISON		
Carbonyl Fluoride	UN1955	5 grams	2.3	B	POISON GAS		
Carbonyl Sulfide	UN2204	30 grams	2.3	B	POISON GAS	FLAM GAS	

Note:

1. The amount of material shown is the maximum amount per G-CAL permeation device. The average quantity per device is 50% of the maximum quantity shown.
2. The maximum pressure of gas or liquid inside any G-CAL permeation device is not more than 300 psig at 25 degrees Celsius.

GC INDUSTRIES, INC.
G-CAL Permeation Devices
DOT Classifications

TRADENAME	UN #	MAX. QTY PER TUBE	HAZARD CLASS	HAZARD ZONE	**LABELS REQUIRED - IF NOT EXEMPTED**		
					LABEL 1	LABEL 2	LABEL 3
Chlorine	UN1017	5 grams	2.3	B	POISON GAS		
Chlorobenzene	UN1134	5 grams	3		FLAM. LIQ.		
Chloroform	UN1888	5 grams	6.1		POISON		
Crotonaldehyde	UN1143	5 grams	3		FLAM LIQ.	POISON	
Cyanogen Bromide	UN1889	5 grams	6.1		POISON	CORROSIVE	
Cyanogen Bromide	UN1889	5 grams	6.1		POISON	CORROSIVE	
Cyclohexane	UN1145	5 grams	3		FLAM. LIQ.		
Dibutyl Sulfide	UN1993	5 grams	3		FLAM. LIQ.		
Dichlorobenzene	UN1591	5 grams	6.1		NO FOODS		
Dichloroethylene	UN1150	5 grams	3		FLAM. LIQ.		
Dichlorofluoromethane, R21	UN1029	5 grams	2.2		NON-FL GAS		
Dichlorosilane	UN2189	5 grams	2.3		POISON GAS	FLAM. GAS	
Dichlorosilane	UN2189	5 grams	2.3	B	POISON GAS	FLAM. GAS	
Diethyl sulfide	UN2375	5 grams	3		FLAM. LIQ.		
Dimethyl disulfide	UN2381	5 grams	3		FLAM LIQ.		
Dimethyl Ether	UN1033	5 grams	2.1		FLAM. GAS		
Dimethyl Formamide	UN2285	5 grams	3		FLAM LIQ.		
Dimethyl Hydrazine	UN1163	5 grams	6.1	B	POISON	FLAM. LIQ	
Dimethyl sulfide	UN1164	5 grams	3		FLAM. LIQ.		
Dinitrogen tetroxide, liquid	UN1067	10 grams	2.3	A	POISON GAS	OXIDIZER	
Ethyl Acrylate	UN1917	5 grams	3		FLAM LIQ.		
Ethyl Alcohol	UN1170	10 grams	3		FLAM LIQ.		
Ethyl Chloride	UN1037	5 grams	3		FLAM. LIQ.		
Ethyl Mercaptan	UN2383	5 grams	3		FLAM. LIQ		
Ethyl Methyl Sulfide	UN1993	5 grams	3		FLAM LIQ		
Ethylbenzene	UN1175	5 grams	3		FLAM LIQ		
Ethylene dibromide (1,2 Dibromoethane)	UN1605	5 grams	6.1	B	POISON		

Note:

1. The amount of material shown is the maximum amount per G-CAL permeation device. The average quantity per device is 50% of the maximum quantity shown.
2. The maximum pressure of use on fluid inside any G-CAL permeation device is not more than 300 psia at 25 degrees Celsius.

GC INDUSTRIES, INC.
G-CAL Permeation Devices
DOT Classifications

TRADENAME	UN #	MAX. QTY PER TUBE	HAZARD CLASS	HAZARD ZONE	**LABELS REQUIRED - IF NOT EXEMPTED**		
					LABEL 1	LABEL 2	LABEL 3
Ethylene dichloride (1,2-Dichloroethane)	UN1184	5 grams	3		FLAM. LIQ.	POISON	
Ethylene Oxide	UN1040	5 grams	2.3	C	POISON GAS	FLAM. GAS	
Ethylenediamine	UN1604	5 grams	8		CORROSIVE	FLAM. LIQ.	
Hexanes	UN1208	30 grams	3		FLAM. LIQ.		
Hydrazine	UN2029	5 grams	3		FLAM. LIQ.	POISON	CORROSIVE
Hydrogen Bromide, anhydrous	UN1048	5 grams	2.3	C	POISON GAS	CORROSIVE	
Hydrogen Chloride, anhydrous	UN1050	5 grams	2.3	C	POISON GAS	CORROSIVE	
Hydrogen Fluoride, anhydrous	UN1052	5 grams	8	C	CORROSIVE	POISON	
Hydrogen Sulfide, liquified	UN1053	30 grams	2.3	B	POISON GAS	FLAM. GAS	
Hydrogen, compressed	UN1049	5 grams	2.1		FLAM. GAS		
Isobutane	UN1989	10 grams	2.1		FLAM. GAS		
Isobutyl Alcohol	UN1212	5 grams	3		FLAM. LIQ.		
Isobutyl Mercaptan	UN1228	5 grams	3		FLAM. LIQ.	POISON	
Isobutylene	UN1055	10 grams	2.1		FLAM. GAS		
Isobutyraldehyde	UN2045	5 grams	3		FLAM. LIQ.		
Isopentane	UN1265	5 grams	3		FLAM. LIQ.		
Isophorone	UN1992	5 grams	3		FLAM. LIQ.	POISON	
Isopropyl Alcohol	UN1219	10 grams	3		FLAM. LIQ.		
Isopropyl Mercaptan	UN2402	5 grams	3		FLAM. LIQ.		
Mercury	UN2809	5 grams	8		CORROSIVE		
Methacrylic Acid	UN2531	5 grams	8		CORROSIVE		
Methane	UN1971	5 grams	2.1		FLAM. GAS		
Methane Sulfonyl Fluoride	UN2927	5 grams	6.1		POISON	CORROSIVE	
Methanol	UN1230	30 grams	3		FLAM. LIQ.	POISON	
Methyl Acetylene	UN1060	5 grams	2.1		FLAM. GAS		
Methyl Acrylate	UN1919	5 grams	3		FLAM. LIQ.		
Methyl Bromide	UN1062	10 grams	2.3	C	POISON GAS		

Note:

1. The amount of material shown is the maximum amount per G-CAL permeation device. The average quantity per device is 50% of the maximum quantity shown.
2. The maximum pressure of gas or liquid inside any G-CAL permeation device is not more than 300 psig at 25 degree Celsius.

EC INDUSTRIES, INC.
8-CAL Permeation Devices
DOT Classifications

TRADENAME	UN #	MAX. QTY PER TUBE	HAZARD CLASS	HAZARD ZONE	**LABELS REQUIRED - IF NOT EXEMPTED**		
					LABEL 1	LABEL 2	LABEL 3
Methyl Chloride	UN1063	10 grams	2.1		FLAM. GAS		
Methyl cyanide, (acetonitrile)	UN1648	5 grams	3		FLAM LIQ.	POISON	
Methyl Ethyl Ketone	UN2298	5 grams	3		FLAM. LIQ.		
Methyl Mercaptan	UN1064	15 grams	2.3	B	POISON GAS	FLAM. GAS	
Methylamine, anhydrous	UN1235	10 grams	2.3	C	POISON GAS	FLAM. GAS	
Nitro Oxide	UN1660	5 grams	2.3	B	POISON GAS		
Nitrogen Trifluoride	UN2451	5 grams	2.2		NON-FL GAS	OXIDIZER	
Nitrogen, compressed	UN1068	5 grams	2.2		NON-FL GAS		
Nitrous Oxide, compressed	UN1070	5 grams	2.2		NON-FL GAS		
Oxygen, compressed	UN1072	5 grams	2.2		NON-FL GAS	OXIDIZER	
Paraformaldehyde	UN2213	15 grams	4.1		NONE		
Phosgene	UN1078	5 grams	2.3	A	POISON GAS	CORROSIVE	
Phosphine	UN2199	5 grams	2.3	A	POISON GAS	FLAM. GAS	
Phosphorous Oxychloride	UN1810	5 grams	8		CORROSIVE	POISON	
Phosphorous Pentafluoride	UN2198	5 grams	2.3	A	POISON GAS		
Phosphorus Pentoxide	UN1807	5 grams	8		CORROSIVE		
Propane, liquified	UN1978	30 grams	2.1		FLAM GAS		
Propyl Alcohol	UN1274	30 grams	3		FLAM. LIQ		
Propyl Mercaptan	UN2402	5 grams	3		FLAM LIQ.		
Propylene	UN1077	5 grams	2.1		FLAM GAS		
Propylene Oxide	UN1280	10 grams	3		FLAM. LIQ		
Stane	UN2203	5 grams	2.1		FLAM GAS		
Silicon Tetrachloride	UN1818	5 grams	8		CORROSIVE		
Silicon Tetrafluoride	UN1859	5 grams	2.3	D	POISON GAS	CORROSIVE	
Styrene monomer, inhibited	UN2055	5 grams	3		FLAM. LIQ		
Sulfur Dioxide, liquified	UN1079	30 grams	2.3	C	POISON GAS		
Sulfur Hexafluoride	UN1080	10 grams	2.2		NON-FL GAS		

Note:

1. The amount of material shown is the maximum amount per 8-CAL permeation device. The average quantity per device is SIX of the maximum quantity shown.
2. The maximum pressure of gas or liquid inside any 8-CAL permeation device is not more than 300 psig at 25 degrees Celsius.

GC INDUSTRIES, INC.
8-CAL Permeation Devices
DOT Classifications

TRADENAME	UN #	MAX. QTY PER TUBE	HAZARD CLASS	HAZARD ZONE	**LABELS REQUIRED - IF NOT EXEMPTED**		
					LABEL 1	LABEL 2	LABEL 3
Tetrafluoromethane (Freon 14)	UN1982	10 grams	2.2		NON-FL. GAS		
Tetrahydrothiophene	UN2412	5 grams	3		FLAM. LIQ.		
Thiophene	UN2414	5 grams	3		FLAM. LIQ.		
Toluene	UN1294	15 grams	3		FLAM. LIQ.		
Trichloroethylene	UN1710	5 grams	6.1		NO FOODS		
Trichlorosilane	UN1295	5 grams	4.3		DANGER WET	FLAM. LIQ.	CORROSIVE
Trimethyl Amine	UN1063	5 grams	2.1		FLAM. GAS		
Vinyl Acetate	UN1301	5 grams	3		FLAM. LIQ.		
Vinyl Chloride, Inhibited	UN1066	5 grams	2.1		FLAM. GAS		
Xylenes	UN1307	5 grams	3		FLAM. LIQ.		

Note:

1. The amount of material shown is the maximum amount per 8-CAL permeation device. The average quantity per device is 50% of the maximum quantity shown.
2. The maximum pressure of gas or liquid inside any 8-CAL permeation device is not more than 300 psig at 25 degrees Celsius.