



U.S. Department
of Transportation
Research and
Special Programs
Administration

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

MAR 24 2003

DOT-E 10247
(SIXTH REVISION)

EXPIRATION DATE: February 28, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. **GRANTEE:** VICI Metronics
Santa Clara, California

(See Appendix A to this document for a list of additional grantees)

2. **PURPOSE AND LIMITATION:**

a. This exemption authorizes the transportation in commerce of certain small quantities of Divisions 2.1, 2.2, 2.3 and 6.1, and Class 3 and 8 materials which are not authorized under § 173.4. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption 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:** 49 CFR § 173.4.
5. **BASIS:** This exemption is based on the application of VICI Metronics dated September 14, 1999, submitted in accordance with § 107.109 and supplemental information dated January 29, 2003.

See Table Attachment

6. HAZARDOUS MATERIALS (49 CFR § 172.101): **MAR 24 2003**

Hazardous materials description			
Proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Materials meeting Division 2.1 Listed in Table 1.	2.1	As Applicable	N/A
Materials meeting Division 2.2 Listed in Table 1.	2.2	As Applicable	N/A
Materials meeting Division 2.3 Listed in Table 1.	2.3	As Applicable	N/A
Materials meeting Division 6.1 Listed in Table 1.	6.1	As Applicable	I

7. PACKAGING AND SAFETY MEASURES: Packaging prescribed is one of the five types of permeation devices described in the two page enclosure titled "Device Configurations" filed with VICI Metronics application of August 31, 1989. The permeation device must be constructed of a material which is compatible with the lading. Each permeation device must be placed in a high impact resistant, sealed plastic tube containing sufficient absorbent to completely absorb the contents of the device. These plastic tubes must be overpacked as follows:

- a. The liquid content of each permeation device must not exceed the following amounts: anhydrous hydrogen bromide and anhydrous hydrogen chloride - 0.5 ml; anhydrous ammonia - 0.5 ml; and chlorine, cyclopropane, 1,1-difluoroethane, anhydrous hydrogen fluoride, hydrogen sulfide, dinitrogen tetroxide, phosgene, propane, and propylene - 1.5 ml. These devices, in the plastic tubes described above, must be placed in metal pipes with threaded caps made hermetically tight with teflon tape or other suitable material. More than one permeation device may be placed in a pipe. Each pipe must be placed in a corrugated fiberboard box meeting the applicable requirements of § 173.24.
- b. The liquid content of permeation devices containing acrolein and carbon disulfide may not exceed 5 ml. The packaging must be the same as in paragraph 7.a. above,

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except that a polyvinyl chloride (PVC) pipe may be used instead of a metal pipe.

- c. The liquid content of permeation devices containing any other material described in Table I (January 29, 2003 submission) may not exceed 5 ml and the plastic tubes containing the devices must be placed in a corrugated fiberboard box meeting the applicable requirements of § 173.24.
- d. No more than 100 permeation tubes (500 for ammonia) containing these hazardous materials may be transported per package.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption 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 exemption and the HMR.

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

- 9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo aircraft only, and passenger aircraft.
- 10. MODAL REQUIREMENTS: None as a condition of this exemption.
- 11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption 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 exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - 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 exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

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No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. **REPORTING REQUIREMENTS:** The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:



fr Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

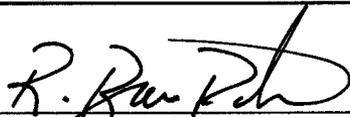
Copies of this exemption may be obtained by accessing the Hazardous Material Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alternation of this exemption is prohibited.

PO: Hwang:dl

SEP 8 2004

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Department of Defense Fort Eustis, VA	Aug 30, 2004	SEP 8 2004	Feb 28, 2005
Kin-Tek Laboratories, Inc. LaMarque, TX	Jul 26, 2001	Mar 24, 2003	Feb 28, 2005
Mine Safety Appliances Company Pittsburgh, PA	Jul 30, 2001	Mar 24, 2003	Feb 28, 2005
Pacific Northwest National Laboratory (PNNL) Richland, WA	Feb 27, 2003	Mar 24, 2003	Feb 28, 2005
Onyx Environmental Services, LLC Flanders, NJ	June 17, 2004	Jul 12, 2004	Feb 28, 2005
Real Sensors, Inc. Hayward, CA	Apr 21, 2003	May 15, 2003	Feb 28, 2005



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Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

SEP 8 2004

Date

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TABLE 1

1	Acrolein, stabilized	6.1	UN1092	I
2	Allyl alcohol	6.1	UN1098	I
3	Ammonia, anhydrous	2.3	UN1005	N/A
4	Butadienes, stabilized	2.1	UN1010	N/A
5	Butane	2.1	UN1011	N/A
6	Butylene	2.1	UN1055	N/A
7	Isobutylene	2.1	UN2204	N/A
8	Carbonyl sulfide	2.3	UN1055	N/A
9	Chlorine	2.3	UN1017	N/A
10	Chloroacetyl chloride	6.1	UN1752	I
11	Methyl chloromethyl ether	6.1	UN1239	I
12	Chloroacetophenone	6.1	UN1697	II
13	Ethyl chloride	2.1	UN1037	N/A
14	Methyl chloride	2.1	UN1063	N/A
15	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I
16	Crotonaldehyde, stabilized	6.1	UN1143	I
17	Cyclopropane	2.1	UN1027	N/A
18	1,1-Difluoroethane	2.1	UN1030	N/A
19	Dimethylamine, anhydrous	2.1	UN1032	N/A
20	Dimethyl ether	2.1	UN1033	N/A
21	Mercury compounds, liquid, n.o.s. (dimethyl mercury)	6.1	UN2024	I
22	Organophosphorus compound, liquid, toxic, n.o.s. (Dimethyl methyl phosphonate)	6.1	UN3278	I
23	Toxic solids, organic, n.o.s. (4,4'-Dipyridyl)	6.1	UN2811	I
24	Ethylamine	2.1	UN1036	N/A

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25	Ethylene dibromide	6.1	UN1605	I
26	Ethylene oxide	2.3	UN1040	N/A
27	Hydrogen bromide, anhydrous	2.3	UN1048	N/A
28	Hydrogen chloride, anhydrous	2.3	UN1050	N/A
29	Hydrogen cyanide, stabilized	6.1	UN1051	I
30	Hydrogen sulfide	2.3	UN1053	N/A
31	Mercury compounds, solid, n.o.s. (mercury (I) chloride)	6.1	UN2025	I
32	Methylamine, anhydrous	2.1	UN1061	N/A
33	Methyl bromide	2.3	UN1062	N/A
34	Methyl iodide	6.1	UN2644	I
35	Methyl isocyanate	6.1	UN2480	I
36	Methyl mercaptan	2.3	UN1064	N/A
37	Methyl vinyl ketone, stabilized	6.1	UN1251	I
38	Nitrogen dioxide	2.3	UN1067	N/A
39	Phosgene	2.3	UN1076	N/A
40	Propane	2.1	UN1978	N/A
41	Propylene	2.1	UN1077	N/A
42	Sulfur dioxide	2.3	UN1079	N/A
43	Sulfuryl fluoride	2.3	UN2191	N/A
44	Trimethylamine, anhydrous	2.1	UN1083	N/A
45	Vinyl chloride, stabilized	2.1	UN1086	N/A
46	Isobutane	2.1	UN1969	N/A