



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

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

**MAR 1 1 2004**

DOT-E 13317  
(THIRD REVISION)

EXPIRATION DATE: January 31, 2006

1. GRANTEE: Matheson Tri-Gas  
Parsippany, NJ

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

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of certain DOT Specification 3AL cylinders, containing diborane and diborane mixtures. 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 §§ 173.302 and 173.302a(d) and 175.3 only in that a DOT-3AL Specification cylinder is not authorized for the materials listed in paragraph 6, and § 172.301(c) in that marking the exemption number on the cylinder is waived.
5. BASIS: This exemption is based on the application of Matheson Tri-Gas dated February 23, 2004, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Compressed gas, toxic, flammable, n.o.s. (Contains * Diborane gas)	2.3	UN1953	Hazard Zone A, B, C or D
Compressed gas, toxic, n.o.s. (Contains * Diborane gas)	2.3	UN1955	Hazard Zone A, B, C or D (as appropriate)
Diborane	2.3	UN1911	Hazard Zone A

\* The percentage of Diborane must be entered for each material.

7. SAFETY CONTROL MEASURES: PACKAGING - Prescribed packaging is a DOT Specification 3AL cylinder. The material of construction must be aluminum alloy 6061-T6.
8. SPECIAL PROVISION: 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 modification or change is made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and rail freight.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by 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 Persons operating under the terms of this exemption 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 exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this 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 in Washington, D.C.:



Robert A. McGuire  
 Associate Administrator for  
 Hazardous Materials Safety

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(DATE)

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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 Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: SS/SDC

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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
Air Liquide America L.P. Houston, TX	Jan 23, 2004	<b>MAR 1 1 2004</b>	Jan 31, 2006
Air Products & Chemicals, Inc. Allentown, PA	Jan 8, 2004	<b>MAR 1 1 2004</b>	Jan 31, 2006
J Praxair Distribution Inc. Danbury, CT	Jan 30, 2004	<b>MAR 1 1 2004</b>	Jan 31, 2006
J Voltaix, Inc. North Branch, NJ	Jan 9, 2004	<b>MAR 1 1 2004</b>	Jan 31, 2006



*FL* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

**MAR 1 1 2004**

Date