



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

APR 27 2004

DOT-E 8074
(SIXTH REVISION)

EXPIRATION DATE: February 28, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Matheson Tri-Gas
(Former Grantee: Matheson Gas Products)
East Rutherford, NJ

(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 flammable and nonflammable gases in DOT specification cylinders without safety relief devices. This exemption provides no relief from the Hazardous Materials Regulations 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 § 173.301(f) in that safety relief devices are not required.
5. BASIS: This exemption is based on the application of Matheson Tri-Gas dated April 6, 2004, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description - - proper shipping name	Hazard Class/ Division	Identi- fication Number	Packing Group
Carbon dioxide	2.2	UN1013	N/A
Chlorotrifluoromethane or Refrigerant gas R 13	2.2	UN1022	N/A
Ethane	2.1	UN1035	N/A
Ethylene	2.1	UN1962	N/A
Hydrogen chloride, anhydrous	2.3	UN1050	N/A
Nitrous oxide	2.2	UN1070	N/A
Vinyl fluoride, stabilized	2.1	UN1860	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING -Packaging prescribed is a DOT Specification 3E cylinder measuring 2 inches in diameter by 12 inches long without a safety relief device.

b. OPERATIONAL CONTROLS - The cylinder must be charged as follows:

<u>Commodity</u>	<u>Maximum Weight Limit</u>
Carbon dioxide, liquefied	8 oz.
Ethane	4 "
Ethylene	4 "
Hydrogen chloride, anhydrous	8 "
Nitrous oxide	8 "
Vinyl Fluoride	8 "
Monochlorotrifluoromethane	12 "

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

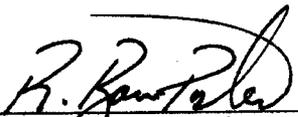
- b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- c. MARKING - Each cylinder and each outside packaging must be durably marked "DOT-E 8074".
- d. Transportation of Division 2.1 (flammable gases) and Division 2.3 materials (gases which are poisonous by inhalation) are not authorized aboard cargo vessel or aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, and cargo aircraft only (see restriction in paragraph 8.d).
10. MODAL REQUIREMENTS:
- a. A current copy of this exemption must be carried aboard each cargo vessel and aircraft used to transport packages covered by this exemption. The shipper must furnish a current copy of this exemption to the air carrier before or at the time the shipment is tendered.
- b. Hydrogen Chloride, anhydrous is prohibited by cargo aircraft.
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 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 in Washington, D.C.:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

APR 27 2004
(DATE)

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: sln

JUN 1 - 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
Air Liquide America L.P. Houston, TX (Former Grantee: Air Liquid America Corp.)	Apr 22, 2004	JUN 1 2004	Feb 28, 2006
Air Products and Chemicals, Inc. Allentown, PA	Mar 8, 2004	Mar 17, 2004	Feb 28, 2006
Airgas, Inc. Cheyenne, WY	Mar 3, 2004	Mar 17, 2004	Feb 28, 2006
Praxair Distribution Inc. Tonawanda, NY	Apr 26, 2004	JUN 1 2004	Feb 28, 2006



FE Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JUN 1 - 2004

Date