



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

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

DOT-E 11596  
(FOURTH REVISION)

**AUG 6 2003**

EXPIRATION DATE: July 31, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Matheson Tri-Gas  
East Rutherford, NJ
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of certain non-DOT specification pressure vessels (receptacles) without pressure relief devices, which have been approved by the German Competent Authority and are similar in design to a multi-unit tank car tank, containing hydrogen sulfide for export only. This exemption provides no relief from the Hazardous Materials Regulation (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 § 173.314(c) in that the prescribed receptacle is not listed as an authorized packaging, except as specified herein.
5. BASIS: This exemption is based on the application of Matheson Tri-Gas dated July 25, 2003, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identi- fication Number	Packing Group
Hydrogen sulfide	2.3	UN1053	N/A

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Prescribed packagings are non-DOT specification welded steel receptacles, manufactured in Germany by Thyssen Industrie GmbH, which have been approved by the German Competent Authority for use under the provisions of the International Maritime Organization's IMDG Code. The date of manufacture must be no earlier than 1973. Receptacles have a maximum water capacity of 900 liters and a maximum allowable working pressure of 36.7 bar. Receptacles are not equipped with pressure relief devices.
- b. SAFETY CONTROL MEASURES -
  - (1) Prescribed receptacles must be transported in shipping containers.
  - (2) Maximum filling density must be 68 percent.
  - (3) Emergency response information provided with the shipment and available via an emergency response telephone number must indicate that the receptacles are not fitted with pressure relief devices and provide appropriate guidance in case receptacles are exposed to fire.
- c. TESTING - Before each filling, the receptacles must be subjected to the following tests and inspections:
  - (1) Visual inspection in accordance with CGA Pamphlet C-6;
  - (2) Pressure test to at least 300 psig; and
  - (3) Inspection of the threaded outlets for leaks.
- d. OPERATIONAL CONTROLS -
  - (1) This exemption authorizes the transportation of hydrogen sulfide in the prescribed receptacles from the Matheson facility in New Johnsonville, Tennessee to the port at Savannah, Georgia or at Norfolk, Virginia for export only.
  - (2) Receptacles must be in exclusive hydrogen sulfide service.

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.

c. MARKING - Receptacles must be marked "DOT-E 11596" on each side in letters at least one inch high.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or 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 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 incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



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

AUG 6 2003

(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: Freeman/sln