



U.S. Department  
of Transportation

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

**Research and  
Special Programs  
Administration**

**AUG 23 2004**

DOT-E 12561  
(FOURTH REVISION)

EXPIRATION DATE: July 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Rhodia, Incorporated  
Cranbury, New Jersey
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the use of DOT Specification 111S100W-2 tank cars having a maximum gross weight on rail of 286,000 pounds, for the transportation in commerce of the materials authorized by this exemption. 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 § 172.203(a) in that marking the exemption number on the shipping paper is not required; and § 179.13 in that the maximum gross weight may not exceed 286,000 pounds for the tank cars described in paragraph 7.
5. BASIS: This exemption is based on the application of Rhodia, Incorporated, dated August 11, 2004, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

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Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identification Number	Packing Group
Sulfuric acid with more than 51 percent acid	8	UN 1830	II
Sulfuric acid, spent	8	UN 1832	II

7. SAFETY CONTROL MEASURES:

a. PACKAGING:

(1) Packaging prescribed are DOT Specification 111S100W-2 tank cars constructed under Certificate of Construction number L006105B, L006117B and L036032B.

(2) Each tank must conform to the Association of American Railroads Standard S-259, dated January 5, 1995, AAR Standard S-286-2002, and the following requirements:

<b>Betterments</b>	<b>Type of Features</b>
Puncture Resistance	Head Protection thickness ½ in. - - ASTM A572-50 Head & Shell thickness 9/16 in.- - ASTM A516 Grade 70 Metal jacket and insulation
Controlling Longitudinal Loadings	Cardwell Westinghouse Mark 50
Structural Worthiness	Trinity Type 23 underframe having a one million mile fatigue life calculated by applying an overall load factor of 1.09.
Pressure Relief Device	Reclosing pressure relief device

Service Equipment Protection	Each car has a protective housing conforming to 49 CFR 179.100-12(c)
Maintenance Program Development	See paragraph 8(e)

(3) Each tank may be loaded to a maximum gross weight on rail not to exceed 286,000 pounds, provided that the tank is not loaded in excess of the amount authorized in § 173.24b.

b. MARKING - Each tank car operating under the terms of this exemption must be marked "DOT-E 12561" in four-inch letters and numerals on a contrasting background above the DOT Specification number.

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. Each tank car may only be operated under controlled interchange conditions, as specified in the AAR Interchange Rules. Transit routes shall be agreed to, in writing, by participating railroads. The written acceptance shall be submitted to the Associate Administrator for Hazardous Materials Safety (AAHMS) at the address specified at the end of this exemption prior to the first offering on each route.

d. The additional information requirement for shipping papers in § 172.203(a) is waived.

e. The applicant must file a copy of their complete maintenance program for any car operating under the terms of this exemption. The program must be filed with the Federal Railroad Administration, at the address indicated in paragraph 10 prior to offering a tank car under the terms of this exemption.

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9. MODES OF TRANSPORTATION AUTHORIZED: Rail freight.
10. MODAL REQUIREMENTS: The Federal Railroad Administration is to be notified if any unusual incident occurs during the movement by contacting the following:

Federal Railroad Administration  
Hazardous Materials Division  
RRS-12, Mail Stop 25  
1120 Vermont Avenue, N.W.  
Washington, D.C. 20590

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.

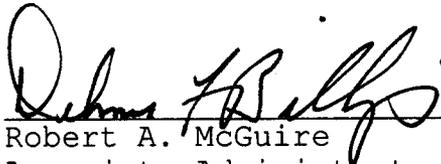
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

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.

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12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the 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.:



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Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

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(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