



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

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

NOV 24 2003

DOT-E 6117
(TWELFTH REVISION)

EXPIRATION DATE: October 31, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Montana Sulfur and Chemical Company
Billings, Montana
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of hydrogen sulfide, liquefied, a Division 2.3 material, in certain single-unit tank cars. 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 § 173.314(c) in that DOT Specification 105J600W and AAR Specification 120J600W tank cars are not authorized for hydrogen sulfide, except as specified herein.
5. BASIS: This exemption is based on the application of Montana Sulfur and Chemical dated November 7, 2003, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

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

7. SAFETY CONTROL MEASURES:a. PACKAGING - Packagings prescribed are:

1. DOT Specification 105J600W tank cars fabricated and equipped in accordance with General American Transportation Corporation's AAR application numbers 23493 or 23744 and any subsequent revisions on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

2. AAR Specification 120J600W tank cars fabricated and equipped in accordance with General American Transportation Corporation AAR application number A-743188 and any subsequent revisions on file with the OHMEA.

b. TESTING - Each tank car must be retested as specified for DOT Specification 105J600W tank car tanks.

c. OPERATIONAL CONTROLS -

1. The commodity loading temperature may not be less than -50° F.

2. Tank cars shall be loaded by weight in lieu of any other metering or gauging device.

3. The maximum permitted filling density for DOT specification 105J600W tank car tanks may not exceed 72 percent.

4. The outage for DOT specification 120J600W tank car tanks shall be at least one percent of the total volumetric capacity of the tank car at the reference temperature of 105°F.

5. The vapor pressure of the gas may not exceed 450 psig at 105° F.

6. The water content of the gas may not exceed 0.10% by weight.

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 modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

b. MARKING - Each tank car must be marked "DOT-E 6117" in four inch letters and numerals, on a contrasting background, above the DOT specification number. Additionally, each tank car must be marked "Minus 50° F., Minimum Loading Temperature" on each side near the tank specification number.

9. MODES OF TRANSPORTATION AUTHORIZED: Rail freight.

10. MODAL REQUIREMENTS: None as a requirement 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.

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.:



fa Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

NOV 24 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: KFW/am