



U.S. Department
of Transportation

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

**Research and
Special Programs
Administration**

MAR - 9 2004

DOT-E 8843
(SIXTH REVISION)

EXPIRATION DATE: January 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Diamondback Industries of Crowley, Texas
Crowley, TX
2. PURPOSE AND LIMITATION: This exemption authorizes the transportation of bromine trifluoride in non-DOT specification cylinders subject to the limitations and special requirements specified herein. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.228, 174.3, 175.3, 176.3, and 177.801, except as specified herein.
5. BASIS: This exemption is based on the application of Diamondback Industries of Crowley, Texas, dated January 26, 2006 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
Bromine trifluoride	5.1	UN1746	I

7. PACKAGING AND SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification, non-refillable cylinder constructed from not greater than 1-1/8 inch inside diameter by at least 0.250 inch thick side wall AISI 4131 seamless steel tubing with threaded plug closures at each end. Design rupture is 25,576 psi. Maximum volume is 89 cubic inches water capacity. The cylinder must be designed and constructed in accordance with Pengo Industries part number 094-1687-021 dated April 21, 1982, on file in the Office of Hazardous Materials Exemptions and Approvals (OHMEA). In addition:

b. SAFETY CONTROL MEASURES -

- (1) Each cylinder must be tested to at least 8500 psi without evidence of failure.
- (2) One to six cylinders must be packed in a heavy wooden box.
- (3) Maximum permitted filling density must be such that the liquid content must not completely fill the cylinder at 54°C (130°F).
- (4) Each cylinder end must be sealed with a sealed rupture disc having a burst pressure of 8500 psi. Rupture discs must be rendered non-functional in transportation by installation of shipping plugs.

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. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. MARKING —

- (1) Each outside packaging shipped under this exemption must be marked with the proper shipping name "Bromine trifluoride".
 - (2) Each outside packaging shipped under this exemption must be marked with the warning "Inhalation hazard", in association with the proper shipping name.
 - (3) Each outside packaging shipped under this exemption must be marked "DOT-E 8843" in association with the proper shipping name.
 - (4) Each outside packaging shipped under this exemption must be marked with the identification number "UN1746" in association with the proper shipping name.
 - (5) Each outside packaging shipped under this exemption must bear the OXIDIZER 5.1 (primary risk) label and the POISON and CORROSIVE (subsidiary risk) labels.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel (including, but not limited to, off-shore oil field crew transport and off-shore supply vessels engaged in oil well operations), and cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each vessel and aircraft used to transport packages covered by the exemption. The shipper must furnish a current copy of this exemption to the carrier before or at the time the shipment is tendered.
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 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 fire, explosion or 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 at Washington, D.C.:

Robert A. McGuire

 Robert A. McGuire
 Associate Administrator for
 Hazardous Materials Safety

MAR - 9 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.

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