



U.S. Department  
of Transportation

East Building, PHH-30  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 8843  
(ELEVENTH REVISION)

**EXPIRATION DATE: March 31, 2017**

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Chammas Cutters Inc.  
Houston, TX
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation of bromine trifluoride in non-DOT specification, non-refillable cylinders subject to the limitations and special requirements specified herein. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.228 in that alternate packaging is authorized.
5. BASIS: This special permit is based on the application of Chammas Cutters, Inc., dated April 25, 2014, submitted in accordance with § 107.109.

September 3, 2014

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
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 AISI 4131 seamless steel tubing with threaded plug closures at each end. The inside diameter of the tube is not greater than 1.5 inch with at least 0.250 inch thick side wall. The design burst pressure is greater than 25,500 psi i.e., at least 3 x the test pressure. The maximum cylinder volume is limited to 118 cubic inch water capacity. The cylinder must be designed and constructed in accordance with Diamondback Industries drawing number CEM-2000-033-5: Rev R-1, on file with the Hazardous Materials Approvals and Permits Division. In addition:
- b. SAFETY CONTROL MEASURES -
- (1) Each cylinder must be tested to at least 8500 psi without evidence of failure.
  - (2) Up to six cylinders may 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 special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

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

c. MARKING -

- (1) Each outside packaging shipped under this special permit must be marked with the proper shipping name "Bromine trifluoride".
- (2) Each outside packaging shipped under this special permit must be marked with the warning "Inhalation hazard", in association with the proper shipping name.
- (3) Each outside packaging shipped under this special permit must be marked "DOT-SP 8843" in association with the proper shipping name
- (4) Each outside packaging shipped under this special permit must be marked with the identification number "UN1746" in association with the proper shipping name.
- (5) Each outside packaging shipped under this special permit 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 special permit must be carried aboard each vessel and aircraft used to transport packages covered by the special permit. The shipper must furnish a current copy of this special permit 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 special permit and penalties prescribed by Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.
  - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  
  - o Persons operating under the terms of this special permit 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 special permit must receive training on the requirements and conditions of this special permit in addition to the training required by § 172.700 through § 172.704.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

**September 3, 2014**

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 Immediate notice of certain hazardous materials incidents, and 171.16 Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm) Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: RS/kah