



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

December 06, 2021

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 14796
(EIGHTH REVISION)

EXPIRATION DATE: 2022-10-31

(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 in commerce of non-DOT specification cylinders containing bromine trifluoride. The cylinders will be integrated into a tool to form a chemical cutter. 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 the development of this special permit only considered the hazards and risks associated with the 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 § 172.101 Column (9B) in that bromine trifluoride is forbidden by cargo-only aircraft, § 172.301(c) in that marking the special permit number on each cylinder is required, and §§ 173.228(a).
5. BASIS: This special permit is based on the Pipeline and Hazardous Materials Safety Administration's (PHMSA) Show Cause Letter issued in accordance with § 107.121(a) initiated on March 1, 2021, and additional information submitted by Chammas Cutters Inc on November 22, 2021.

Tracking Number: 2021115536

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Bromine trifluoride	5.1*	UN1746	I, Hazard Zone B

* In addition to the oxidizer label, Division 6.1 and Class 8 labels are required.

7. SAFETY CONTROL MEASURES:a. PACKAGING:

(1) Packagings prescribed are non-DOT specification, non-refillable, seamless cylinders manufactured from cold drawn SAE 4130, 4135, or 4140 alloy steel tubing, with threaded plug closures (transport plugs) at each end. The transport plugs render the rupture discs on each cylinder inoperable during transportation. Each cylinder must conform with Chammas Cutters, Incorporated (CCI) drawings on file with the Office of Hazardous Materials Safety (OHMS). The cylinders range from: 4.8 to 118.4 cubic inches chemical volume; 11/16 inch to 3 1/8 inches outside diameter; and, 24 to 84 inches in length.

(2) The maximum charge pressure of the cylinder must be 700 psig at 130 °F. The ratio of design burst pressure to charge pressure at 130 °F must be at least 40:1.

(3) The maximum filling density must be such that the liquid content must not completely fill the cylinder at 54 °C (130 °F).

b. TESTING: At the time of manufacture, each cylinder must be pressure tested to a minimum of 5,000 psig without evidence of failure.

c. OPERATIONAL CONTROLS:

(1) Emergency response information provided with the shipment and available via an emergency response telephone number must indicate that the pressure relief devices fitted on the cylinder have been rendered non-functional and provide appropriate guidance for exposure to fire.

(2) Cylinders must be overpacked in a strong wooden crate with a maximum capacity of six cylinders per box. The wooden box must be as shown on the CCI drawing entitled “Chemical Cylinder Shipping Box” dated November 2, 2008 on file with OHMS.

(3) Advance Notice of FAA Regional Dangerous Goods Manager. The operator of the aircraft must notify the regional Dangerous Goods Manager in the region where the flight will originate of their intent to transport this material. This notification must be given at least 72 hours in advance of plans to operate under the special permit, unless prior arrangements have been made with the cognizant Regional Dangerous Goods Manager. The notification must include the point of departure, intermediate stops, destination(s), and a loading and departure schedule. Alternate notification procedures may be established subject to the written approval of the cognizant Regional Dangerous Goods Manager.

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. Each air carrier who is offered bromine trifluoride for transportation under the terms of this special permit requires their own special permit or party status to an existing air carrier’s special permit authorizing such transportation.

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

d. MARKING: The marking requirements of § 172.301(c) are waived. Each wooden crate must be marked “INSIDE CONTAINERS COMPLY WITH DOT-SP 14796”.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, and cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft, or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air 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 the 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 this 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.

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 William Schoonover
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-13, 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 <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: CWF/TG