



Designation: D7815 – 21

## Standard Practice for Handling, Transportation, and Storage of Halon 1211, Bromochlorodifluoromethane (CF<sub>2</sub>BrCl)<sup>1</sup>

This standard is issued under the fixed designation D7815; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This practice covers guidance and direction to suppliers, recyclers, reclaimers, purchasers, and users in the handling, transportation, and storage of Halon 1211.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

### 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

**D7673/D7673M** Specification for Halon 1211, Bromochlorodifluoromethane (CF<sub>2</sub>BrCl)

2.2 *CGA Standards:*<sup>3</sup>

**C-1** Methods for Pressure Testing Compressed Gas Cylinders

**C-6** Standards for Visual Inspection of Steel Compressed Gas Cylinders

**C-7** Guide to Classification and Labeling of Compressed Gases

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee D26 on Halogenated Organic Solvents and Fire Extinguishing Agents and is the direct responsibility of Subcommittee D26.09 on Fire Extinguishing Agents.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Available from Compressed Gas Association (CGA), 8484 Westpark Drive, Suite 220, McLean, VA 22102, <https://www.cganet.com>.

**P-1** Standard for Safe Handling of Compressed Gases in Containers

2.3 *U.S. Government Standards:*<sup>4</sup>

**40 CFR Part 82.106** Warning Statement Requirements

**49 CFR Part 172** Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, Training Requirements, and Security Plans

**49 CFR Part 172.101** Purpose and Use of Hazard Materials Table

**49 CFR Part 173** Shippers—General Requirements for Shipments and Packagings

**49 CFR Part 178** Specifications for Packagings

**49 CFR Part 180** Continuing Qualification and Maintenance of Packagings

### 3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *containers, n*—storage vessel for Halon 1211.

3.1.2 *cylinders, n*—containers of Halon 1211.

3.1.3 *Halon 1211, n*—bromochlorodifluoromethane; a compound used to suppress a fire.

3.1.4 *insulated, adj*—placed in an isolated situation to protect and prevent the transfer of damage.

### 4. Significance and Use

4.1 This practice provides requirements for the handling, transportation, and storage of Halon 1211 encountered in distribution through both commercial and military channels. It is intended to ensure that Halon 1211 is handled, transported, and stored in such a way that its physical property values are not degraded. Transport may be by various means, such as, but not limited to, highway, rail, water, and air.

### 5. Practice

5.1 To ensure safe handling, loading, storing, and transporting of material, personnel shall be trained in the CGA

<sup>4</sup> Code of Federal Regulations (CFR) documents are available from U.S. Government Publishing Office (GPO), 732 N. Capitol Street, NW, Washington, DC 20401, <http://www.gpo.gov>.