

# ***PROTECTION R.T. INC.***

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## **MATERIAL SAFETY DATA SHEET (MSDS)    JANUARY 2021**

Information on the form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act of 1970 and not to be used for other purposes. Use or disseminations of all or any part of this information for any other purpose may result in a violation of the law or constitute grounds for legal action.

### **Section I**

Manufacturer	Emergency 24 HR Telephone #
Protection R.T.Inc.	CANUTEC 613-996-6666
Trade names and Synonyms	Halocarbom Halon 1301
CAS #	75-63-8
Chemical Name and Synonyms:	
Bromotrifluoromethane (1301 Halon)	

### **Section II Hazardous Ingredients**

Component	%	Hazard Data
Bromotrifluoromethane and	99.9	TLV 1000ppm
Other Halocarbons	0.10	

### **Section III- Physical Data**

Boiling Point deg. C	-58C(-72F)
Vapour Pressure(psig@20C)	100
Solubility in water:	negligible
Vapour density	5.3(Air-1.00)
Appearance and odor:	Odorless, colorless: decomposition produces irritating gases.
Vapour pressure	235psia @77F

### **Section IV- Fire and Explosion Hazard Data**

Halon 1301 is used as an extinguishing agent and therefore not a problem when trying to control a blaze. Use extinguishing agent appropriate to other materials involved. Keep containers and surroundings cool with water spray as containers may rupture or burst in the heat of a fire.  
Wear protective clothing and self-centered breathing apparatus as appropriate for specific fire conditions.

### **Section V-Health Hazard Data**

Threshold limit value: 1000ppm  
Acute toxicity: Inhalation 1 hourLC50(rat) -770.000ppm  
Chronic toxicity: Halon 1301 is not expected to cause long term adverse health effects.  
Genotoxicity & Reproductive toxicity: This product is not expected to cause adverse mutagenic & reproductive health effects

### **Section VI- Stability and Reactivity**

**Stability****Stable under normal conditions****Conditions to Avoid****Heat, High temperatures & exposure to direct sunlight****Hazardous Polymerization****Will not occur****SECTION V11-TRANSPORT INFORMATION**

<b>DOT CFP 172.101 Data</b>	Bromotrifluoromethane, 2.2, UN 1009
<b>UN Proper Shipping Name:</b>	Bromotrifluoromethane or Refrigerant Gas R 13B1
<b>UN Class:</b>	2/2 Non-Flammable Gas
<b>UN Packaging group:</b>	Non Applicable

**REGULATORY INFORMATION**

**EU Label Information**

Classification and labeling have been performed according to EU directives including amendments.

**EU Hazard Symbol and Indication of Danger**

Non Flammable gas

**US REGULATIONS**

This product is exempt from listing on the EPA substance control Act and also exempt from EINECS and DSL/NDSL listings.

**WHMIS CLASSIFICATION**

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations

**PREPARED BY:**

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