

Material Safety Data Sheet

MSDS AGNT-02

Halon 1211

QUICK IDENTIFIER

Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.
Standard must be consulted for specific requirements.

Section 1-

Manufacturer's Name	Kidde Aerospace	Emergency Telephone No	1-800-424-9300	CHEMTREC
Address	4200 Airport Drive, N.W.	Other Information Calls		
City, State and ZIP	Wilson, North Carolina 27896-9643	Date Prepared	June 7, 2002	
Signature of Person Responsible for Preparation (Optional)	T. A. Simpson			

Section 2 – Hazardous Ingredients / Identity

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (Optional)	CAS NO.
Bromochlorodifluoromethane	TVA is not established			>99.0	353593
Reported in EPA TSCA Inventory, 1980					
(CF₂BrCl)					

Section 3 – Physical & Chemical Characteristics

Boiling Point	-4°C	Specific Gravity (H ₂ O=1)	1.83	Vapor Pressure (mm Hg)	@68°F 1770
		Vapor Density (Air = 1)	@68°F 5.8		
Solubility In Water	Insoluble	Reactivity in Water	N/A		
Appearance And Odor	Colorless gas & liquid with sweet odor	Melting Point	N/A		

Section 4 – Fire & Explosion Data

Flash Point	NonFlammable	Method Used	N/A	Flammable Limits In Air % by Volume	LEL NonFlammable	UEL N/A
Auto-Ignition Temperature	Does Not Apply	Extinguisher Media	Halon 1211 is a fire extinguishing media.			
Special Fire Fighting Procedure	Self contained breathing apparatus to protect against vaporized material decomposition products Chlorine, Fluorine, Bromine.					

Halogen acids and Carbonyl Halides

Unusual Fire and Explosion Hazards **Does Not Apply**

Section 5 – Physical Hazards (Reactivity Data)

Stability Unstable Conditions

Stable to Avoid **Stable under normal conditions – can decompose under fire conditions**

Incompatibility

(Material to Avoid) **Active metals, fires of metal hydrides and material containing their own oxygen.**

Hazardous

Decomposition Products **Bromine, Chlorine, Fluorine, Halogen Acids, Carbonyl Halides**

Hazardous May Occur Conditions

Polymerization Will Not Occur to Avoid **N/A**

Section 6– Health Hazards

1. Acute

Low – slight toxicity

2. Chronic

Does Not Apply

Signs and

Symptoms of Exposure **At concentrations over 4% Halon 1211 can produce dizziness, impaired coordination, shortness of breath, possible narcosis**

and possible cardiac arrhythmias.

Medical Conditions Generally

Aggravated by Exposure **At high concentrations.**

Chemical Listed as Carcinogen

National Toxicology Yes

I.A.R.C Yes

OSHA Yes

Or Potential Carcinogen

Program No

Monographs No

No

Emergency and

First Aid Procedures **Remove victim to fresh air. Get medical attention. Note: Adrenalin is contraindicated in the treatment of over exposure**

to Halon 1211.

Routes
Of
Entry

1. Inhalation **THR: Low**

2. Eyes **Low**

3. Skin **Low**

4. Ingestion **Does Not Apply**

Section 7 – Special Precautions and Spill/Leak Procedures

Precautions to be Taken

In Handling and Storage **Store container in a clean cool dry area out of direct rays of the sun and away from fire risks**

Other

Precautions **Avoid container damage**

Steps to be Taken in Case

Material is Released or Spilled **Ventilate enclosed area – especially low places where heavy vapors might collect.**

Waste Disposal

Methods (Consult federal, state, and local regulation) **Disperses via evaporation into the atmosphere.**

Section 8 – Special Protection Information / Control Measures

Respiratory Protection

Specify Types **Use a full face piece supplied air respirator or self-contained breathing apparatus for concentrations greater than 4% concentration.**

Ventilation **Ventilate Sumps & pits**

Local

Mechanical

Special

Other

where vapors may collect.

Exhaust

(General)

Protective Gloves

PVA or our gloves

Eye

Protection **Chemical workers goggles**

Other Protective

Clothing or Equipment **Safety shower and eyewash stations near work area.**

Work / Hygienic Practices

Good hygiene practices as with any industrial chemical.

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.