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SECTION I

MANUFACTURER'S NAME GREAT LAKES CHEMICAL CORPORATION		EMERGENCY TELEPHONE NO. (501) 862-5141
TRADE NAME AND SYNONYMS Great Lakes Halon 1301		
CHEMICAL NAME AND SYNONYMS Bromotrifluoromethane		
CHEMICAL FAMILY Halocarbon	FORMULA CBrF₃	CAS Registry Number 75-63-8

SECTION II - HAZARDOUS INGREDIENTS

COMPONENT	%	HAZARD DATA
Bromotrifluoromethane	≥99.6	TLV 1000 ppm
Other halocarbons	<.4	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	(-57.8°C.)	-72.0	SPECIFIC GRAVITY (H ₂ O=1)	
VAPOR PRESSURE (mm Hg.)	(0°C)	6200		
VAPOR DENSITY (AIR=1)				
SOLUBILITY IN WATER		Negligible		
APPEARANCE AND ODOR Odorless, colorless gas; decomposition products irritating gases.				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	None
EXTINGUISHING MEDIA Halon 1301 is a fire extinguishing media.			
SPECIAL FIRE FIGHTING PROCEDURES Above 1000°F, Halon 1301 may release hydrogen fluoride, hydrogen bromide, bromine, carbonyl fluoride and carbonyl bromide.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Predominant decomposition products are hydrogen fluoride and hydrogen bromide. The products are irritating and potentially toxic if fire extinguishment is delayed.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	1000 ppm
TOXICITY Approximate lethal concentration of Halon 1301 to the rat is 80% for 15 minutes. Halon 1301 has anesthetic and cardiac effects in humans at concentrations above 10% by volume, concentrations below 10% are considered safe for 0 to 5 minute exposures. Halon 1301 is classified as group 6 (least toxic) in the Underwriters' Laboratories' classification of comparative life hazards of fire extinguishing agents.	

SECTION V - HEALTH HAZARD DATA (cont.)

EFFECTS OF OVEREXPOSURE

The anesthetic effect of Halon 1301 at levels below 10% is similar to a feeling of mild intoxication. Anesthetic effects end rapidly after exposure is terminated. Prolonged exposure to concentrations above 10% (15-20%), may lead to unconsciousness and possibly death.

EMERGENCY AND FIRST AID PROCEDURES

Remove victim to fresh air. Give symptomatic and supportive care. Get medical attention. NOTE: Adrenalin is contraindicated in the treatment of overexposure to Halon 1301.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY

HAZARDOUS DECOMPOSITION PRODUCTS In the presence of flames or hot surfaces: Hydrogen fluoride, hydrogen bromide, bromine, carbonyl fluoride, and carbonyl bromide.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Air-out enclosed areas in case of inadvertent discharge of Halon 1301.

WASTE DISPOSAL METHOD

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Required if concentrations greater than 10% are expected.

VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL All indoor areas should be well ventilated.		OTHER

PROTECTIVE GLOVES	EYE PROTECTION
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OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid container damage.

OTHER PRECAUTIONS

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