



108 Liberty St | Metuchen NJ 08840  
800-422-1751 (t) | 732-452-0444 (f)  
[www.ushalonbank.com](http://www.ushalonbank.com)

GREAT LAKES CHEMICAL -- HALON 1211 - EXTINGUISHER, FIRE, VAPORIZING LIQUID  
MATERIAL SAFETY DATA SHEET  
NSN: 4210011009085  
Manufacturer's CAGE: 2E394  
Part No. Indicator: A  
Part Number/Trade Name: HALON 1211

=====  
General Information  
=====

Item Name: EXTINGUISHER, FIRE, VAPORIZING LIQUID  
Company's Name: GREAT LAKES CHEMICAL CORPORATION  
Company's Street: HIGHWAY 52 NW  
Company's P. O. Box: 2200  
Company's City: WEST LAFAYETTE  
Company's State: IN  
Company's Country: US  
Company's Zip Code: 47906  
Company's Emerg Ph #: 501-862-5141 OR 317-463-2511  
Company's Info Ph #: 317-497-6100  
Record No. For Safety Entry: 002  
Tot Safety Entries This Stk#: 003  
Status: SE  
Date MSDS Prepared: 01SEP90  
Safety Data Review Date: 29JUN92  
Supply Item Manager: 75  
MSDS Serial Number: BHQBQ  
Specification Number: A-A-1108B  
Spec Type, Grade, Class: TY A  
Hazard Characteristic Code: G3  
Unit Of Issue: EA  
Unit Of Issue Container Qty: 3.0 LBS  
Type Of Container: CYLINDER  
Net Unit Weight: 3.0 LBS

=====  
Ingredients/Identity Information  
=====

Proprietary: NO  
Ingredient: CHLORODIFLUOROBROMOMETHANE  
Ingredient Sequence Number: 01  
NIOSH (RTECS) Number: PA5270000  
CAS Number: 353-59-3  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE ESTABLISHED

=====  
Physical/Chemical Characteristics  
=====

Appearance And Odor: COLORLESS GAS AND LIQUID WITH SWEET ODOR.  
Boiling Point: 24.8F,-4.0C  
Vapor Pressure (MM Hg/70 F): 1897  
Vapor Density (Air=1): 5.8  
Specific Gravity: 1.83  
Decomposition Temperature: UNKNOWN  
Solubility In Water: INSOLUBLE  
Corrosion Rate (IPY): UNKNOWN  
=====

=====  
Fire and Explosion Hazard Data  
=====

Flash Point: NON-FLAMMABLE  
Extinguishing Media: HALON 1211 IS A FIRE EXTINGUISHING AGENT. NON-  
FLAMMABLE GAS. USE WATER SPRAY TO COOL CYLINDERS INVOLVED IN FIRES.  
Special Fire Fighting Proc: WEAR FULL PROTECTIVE CLOTHING AND NIOSH-  
APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN  
THE POSITIVE PRESSURE MODE.  
Unusual Fire And Expl Hazrds: LOW LEVELS OF TOXIC AND CORROSIVE HALOGENS  
OR HALOGEN ACIDS ARE RELEASED IN FIRE SITUATIONS.  
=====

=====  
Reactivity Data  
=====

Stability: YES  
Cond To Avoid (Stability): HIGH TEMPERATURES  
Materials To Avoid: ACTIVE METALS, FIRES OF METAL HYDRIDES, MATERIAL  
CONTAINING OWN OXYGEN.  
Hazardous Decomp Products: HYDROGEN HALIDES AND HALOGENS AT FLAME  
TEMPERATURES IN TRACE AMOUNTS. SMOKING CAN CAUSE FORMATION OF THESE  
CHEMICALS.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NONE

=====  
Health Hazard Data  
=====

LD50-LC50 Mixture: LC50 (RAT, 4 HR) IS 131,600 PPM  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: NO  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: THE UNDERWRITERS LABORATORIES CLASSIFICATION OF COMPARATIVE LIFE HAZARD OF HALON 1211 IS GROUP 5. AT CONCENTRATIONS ABOVE 2 PERCENT, HALON 1211 CAN PRODUCE DIZZINESS, IMPAIRED COORDINATION, AND CARDIAC EFFECTS.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Signs/Symptoms Of Overexp: EXPOSURE FOR MORE THAN A FEW MINUTES, ABOVE 2 PERCENT (8.5 LB/1000 CU. FT. AIR) CAN PRODUCE DIZZINESS, IMPAIRED COORDINATION AND CARDIAC EFFECTS.  
Med Cond Aggravated By Exp: CARDIAC CONDITIONS MAY BE AGGRAVATED BY OVEREXPOSURE.  
Emergency/First Aid Proc: GET MEDICAL ATTENTION.EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.NOTE:EPINEPHRINE IS CONTRAINDICATED IN THE TREATMENT OF OVEREXPOSURE TO THIS PRODUCT.

=====  
Precautions for Safe Handling and Use  
=====

Steps If Matl Released/Spill: EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. VENTILATE ENCLOSED AREAS IN CASE OF DISCHARGE OF HALON 1211.  
Waste Disposal Method: RETURN CYLINDERS TO GREAT LAKES CHEMICAL CORPORATION, EL DORADO, ARKANSAS.  
Precautions-Handling/Storing: STORAGE-STORE TEMPERATURE SHOULD NOT EXCEED 125F.PROTECT CYLINDERS FROM PHYSICAL DAMAGE.  
Other Precautions: CYLINDERS SHOULD BE SECURED FOR STORAGE WITH VALVE PROTECTION CAP IN PLACE. AVOID PROLONGED EXPOSURE TO EXCESSIVE CONCENTRATIONS.

=====  
Control Measures  
=====

Respiratory Protection: USE SELF-CONTAINED BREATHING APPARATUS IF EXPOSED TO CONCENTRATIONS GREATER THAN 2 PERCENT.  
Ventilation: GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS.  
Protective Gloves: LINED NEOPRENE/LEATHER AGAINST FROSTBITE  
Eye Protection: CHEMICAL SAFETY GOGGLES  
Other Protective Equipment: NONE.  
Work Hygienic Practices: DO NOT WEAR CONTACT LENSES.

=====  
Transportation Data  
=====

Trans Data Review Date: 92181  
DOT PSN Code: GHB  
DOT Proper Shipping Name: FIRE EXTINGUISHERS  
DOT Class: 2.2  
DOT ID Number: UN1044  
DOT Label: NONFLAMMABLE GAS  
IMO PSN Code: HGH  
IMO Proper Shipping Name: FIRE EXTINGUISHERS  
IMO Regulations Page Number: 2141-1  
IMO UN Number: 1044  
IMO UN Class: 2(2.2)  
IMO Subsidiary Risk Label: -  
IATA PSN Code: LXU  
IATA UN ID Number: 1044  
IATA Proper Shipping Name: FIRE EXTINGUISHERS  
IATA UN Class: 2.2  
IATA Label: NON-FLAMMABLE GAS  
AFI PSN Code: LXU  
AFI Prop. Shipping Name: FIRE EXTINGUISHERS  
AFI Class: 2.2  
AFI ID Number: UN1044  
AFI Basic Pac Ref: 6-6,6-12  
N.O.S. Shipping Name: CONTAINS BROMOCHLORODIFLUOROMETHANE  
Additional Trans Data: MANUFACTURER STATES THAT THE PRODUCT IS NOT  
REGULATED FOR (DOT) DOMESTIC SHIPMENT AND SHIPPING NAME FOR EXPORT IS  
CHLORODIFULOROBROMOMETHANE, NONFLAMMABLE GAS, UN 1974.

=====  
Disposal Data  
=====

=====  
Label Data  
=====

Label Required: YES  
Technical Review Date: 29JUN92  
MFR Label Number: UNKNOWN  
Label Status: F  
Common Name: HALON 1211  
Signal Word: CAUTION!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-None: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: THE UNDERWRITERS LABORATORIES CLASSIFICATION OF COMPARATIVE LIFE HAZARD OF HALON 1211 IS GROUP 5. AT CONCENTRATIONS ABOVE 2 PERCENT, HALON 1211 CAN PRODUCE DIZZINESS, IMPAIRED COORDINATION, AND CARDIAC EFFECTS. STORAGE-STORE TEMPERATURE SHOULD NOT EXCEED 125F. PROTECT CYLINDERS FROM PHYSICAL DAMAGE. FIRST AID- GET MEDICAL ATTENTION. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS EPINEPHRINE IS CONTRAINDICATED IN THE TREATMENT OF OVEREXPOSURE TO THIS PRODUCT.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: GREAT LAKES CHEMICAL CORPORATION  
Label Street: HIGHWAY 52 NW  
Label P.O. Box: 2200  
Label City: WEST LAFAYETTE  
Label State: IN  
Label Zip Code: 47906  
Label Country: US  
Label Emergency Number: 501-862-5141 OR 317-463-2511