

GREAT LAKES CHEMICAL CORPORATION -- HALON 1211 -- 4210-01-100-9085

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Product Identification  
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Product ID:HALON 1211

MSDS Date:09/01/1990

FSC:4210

NIIN:01-100-9085

MSDS Number: BHQBQ

=== Responsible Party ===

Company Name:GREAT LAKES CHEMICAL CORPORATION

Address:HIGHWAY 52 NW

Box:2200

City:WEST LAFAYETTE

State:IN

ZIP:47906

Country:US

Info Phone Num:317-497-6100

Emergency Phone Num:501-862-

5141 OR 317-463-2511

CAGE:2E394

=== Contractor Identification ===

Company Name:GREAT LAKES CHEMICAL CORP

Address:1801 HWY 52 NW

Box:2200

City:WEST LAFAYETTE

State:IN

ZIP:47996-2200

Country:US

Phone:765-497-6100/800-949-5167

CAGE:2E394

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Composition/Information on Ingredients  
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Ingred Name:CHLORODIFLUOROBROMOMETHANE

CAS:353-59-3

RTECS #:PA5270000

Other REC Limits:NONE ESTABLISHED

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Hazards Identification  
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LD50 LC50 Mixture:L

C50 (RAT, 4 HR) IS 131,600 PPM

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards 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 CARDIA C EFFECTS.

Effects of Overexposure:EXPOSURE FOR MORE THAN A FEW MINUTES, ABOVE 2  
PERCENT (8.5 LB/1000 CU. FT. A

IR) CAN PRODUCE DIZZINESS, IMPAIRED  
COORDINATION AND CARDIAC EFFECTS.

Medical Cond Aggravated by Exposure:CARDIAC CONDITIONS MAY BE  
AGGRAVATED BY OVEREXPOSURE.

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First Aid Measures  
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First Aid: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 P  
RODUCT.

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Fire Fighting Measures  
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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.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:LOW LEVELS OF TOXIC AND CORROSIVE  
HALOGENS

OR HALOGEN ACIDS ARE RELEASED IN FIRE SITUATIONS.

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Accidental Release Measures  
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Spill Release Procedures:EVACUATE AREA. WEAR SELF-CONTAINED BREATHING  
APPARATUS. VENTILATE ENCLOSED AREAS IN CASE OF DISCHARGE OF HALON  
1211.

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Handling and Storage  
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Handling and Storage Precautions:STORAGE-STORE TEMPERATURE SHOULD NOT  
EXCEED 125F.PROTECT CYLINDERS FROM PHYSICAL DAMAGE.

Other Precautions:CYLINDERS SHOUL

DO NOT BE SECURED FOR STORAGE WITH VALVE  
PROTECTION CAP IN PLACE. AVOID PROLONGED EXPOSURE TO EXCESSIVE  
CONCENTRATIONS.

===== Exposure Controls/Personal Protection =====

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.  
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC: G3  
Boiling Pt: B.P. Text: 24.8F, -4.0C  
Vapor Pres: 1897  
Vapor Density: 5.8  
Spec Gravity: 1.83  
Solubility in Water: INSOLUBLE  
Appearance and Odor: COLORLESS GAS AND LIQUID WITH SWEET ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES  
ACTIVE METALS, FIRES OF METAL HYDRIDES, MATERIAL CONTAINING OWN OXYGEN.  
Stability Condition to Avoid: HIGH TEMPERATURES  
Hazardous Decomposition Products: HYDROGEN HALIDES AND HALOGENS AT FLAME  
TEMPERATURES IN TRACE AMOUNTS. SMOKING CAN CAUSE FORMATION OF  
THESE CHEMICALS.

===== Disposal Considerations =====

Waste Disposal Methods: RETURN CYLINDERS TO GREAT LAKES CHEMICAL  
CORPORATION, EL DORADO, ARKANSAS.

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