

GREAT LAKES CHEMICAL CORPORATION -- GREAT LAKES HALON 1211 -- 4210-01-321-2292  
===== Product Identification =====

Product ID:GREAT LAKES HALON 1211  
MSDS Date:01/01/1985  
FSC:4210  
NIIN:01-321-2292  
MSDS Number: BPXHD  
=== 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:317-463-2511  
Emerg  
ency Phone Num:501-862-5141 OR 317-463-2511  
Preparer's Name:RESEARCH SERVICES DEPT.  
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

===== Composition/Information on Ingredients =====

Ingred Name:BROMOCHLORODIFLUOROMENTHANE  
CAS:353-59-3  
RTECS #:PA5250500  
Fraction by Wt: >99%.

===== Hazards Identi

fication =====

LD50 LC50 Mixture:211.2 MG/1 FOR RATS W/4HRS EXPOSURE

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

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

Health Hazards Acute and Chronic:AT CONCENTRATIONS ABOVE 4 PERCENT, HALON 1211 CAN PRODUCE DIZZINESS, IMPAIRED COORDINATION, AND CARDIAC EFFECTS.

Effects of Overexposure:EXPOSURE FOR MORE THAN A FEW MINUTES, ABOVE 4 PERCENT (17 LB/1000 CU.FT. AIR) CAN PRODUCE DIZZINESS, IMPAIRED COORDINATION AND CARDIAC EFFECTS.

ON AND CARDIAC EFFECTS.

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

===== First Aid Measures =====

First Aid:REMOVE VICTIM TO FRESH AIR. GIVE SYMPTOMATIC AND SUPPORTIVE CARE. GET MEDICAL ATTENTION. NOTE: ADRENALIN IS CONTRAINDICATED IN THE TREATMENT OF OVEREXPOSURE TO HALON 1211.

===== Fire Fighting Measures =====

Flash Point:NONFLAMMBLE GAS

Extinguishing Media:H

ALON 1211 IS A FIRE EXTINGUISHING AGENT

Fire Fighting Procedures:AT FLAME TEMPERATURE, HALON 1211 MAY RELEASE HYDROGEN HALIDES AND HALOGENS IN TRACE AMOUNTS.

Unusual Fire/Explosion Hazard:PRODUCTS ARE IRRITATING & POTENTIALLY TOXIC IF FIRE EXTINGUISHMENT IS DELAYED. PREDOMINANT DECOMPOSITION PRODUCTS ARE HYDROGEN CHLORIDE/HYDROGEN BROMIDE.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE ENCLOSED AREAS IN CASE OF INADVERTENT OR DELIBERATE DISCHARGE OF HALON 1211.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTAINER DAMAGE.

Other Precautions:NONE

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

Respiratory Protection:USE SELF CONTAINED BREATHING APPARATUS IF EXPOSED TO CONCENTRATIONS GREATER THAN 4 PERCENT.

Ventilation:ALL INDOOR AREAS SHOULD BE WELL VENTILATED

Protective Gloves:NONE

Eye Protection:NONE

Other Protective Equipm

ent:NONE

Work Hygienic Practices:DETERMINE THAT PIPING IS EMPTY BEFORE DOING MAINTENANCE WORK.

Supplemental Safety and Health

NK

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

HCC:G3

Boiling Pt:B.P. Text:24.8F,-4.0C

Vapor Pres:1770 @ 68F

Vapor Density:5.8 @ 68F

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 t

o Avoid:YES

ACTIVE METALS, AND FIRES OF METAL HYDRIDES.

Stability Condition to Avoid:CONTACT WITH ACTIVE METALS, FIRE OF METAL HYDRIDES AND MATERIAL CONTAINING OWN OXYGEN.

Hazardous Decomposition Products:HYDROGEN HALIDES AND HALOGENS AT FLAME TEMPERATURES IN TRACE AMOUNTS

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

Waste Disposal Methods:DISPERSES IN ATMOSPHERE.

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