

DEFENSE DISTRIBUTION DEPOT RICHMOND VIRGINIA -- GREAT LAKES HALON 1211 --  
6830-01-219-8529

===== Product Identification =====

Product ID:GREAT LAKES HALON 1211

MSDS Date:09/01/1986

FSC:6830

NIIN:01-219-8529

MSDS Number: BYFMK

=== Responsible Party ===

Company Name:DEFENSE DISTRIBUTION DEPOT RICHMOND VIRGINIA

Address:8000 JEFFERSON DAVIS HIGHWAY

City:RICHMIND

State:VA

ZIP:23297

Country:US

Info Pho

ne Num:804-279-3125

Emergency Phone Num:804-279-3125

Preparer's Name:RESEARCH SERVICES DEPT.

CAGE:02LX8

=== Contractor Identification ===

Company Name:DDRV STOCK MAINTENANCE DIV/DDRV-H

Address:8000 JEFFERSON-DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297

Country:US

Phone:804-279-3125

CAGE:02LX8

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/Inf

ormation on Ingredients =====

Ingred Name:BROMOCHLORODIFLUOROMENTHANE  
CAS:353-59-3  
RTECS #:PA5250500  
Fraction by Wt: >99%.  
Other REC Limits:NONE SECIFIED

===== Hazards Identification =====

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 DIZZINES  
S, IMPARED COORDINATION, AND CARDIAC  
EFFECTS.  
Explanation of Carcinogenicity:NOT CARCINOGENIC.  
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.  
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:HALON 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 E  
XTINGUISHMENT 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 =====

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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 Equipment: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 to Avoid:YES  
ACTIVE METALS, FIRES OF METAL HYDRIDES, MATERIALS CONTAINING OWN OXYGEN.  
Stability Condition to Avoid:NONE  
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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