

GREAT LAKES CHEMICAL CORPORATION -- HALON 1202 -- 6830-01-339-6273

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

Product ID:HALON 1202
MSDS Date:09/01/1990
FSC:6830
NIIN:01-339-6273
MSDS Number: CFYQS
=== Responsible Party ===
Company Name:GREAT LAKES CHEMICAL CORPORATION
Address:HWY 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

Preparer's Name:RESEARCH SERV DEPT
CAGE:06284
=== Contractor Identification ===
Company Name:GREAT LAKES CHEMICAL CORPORATION
Address:HWY 52 NW
Box:2200
City:WEST LAFAYETTE
State:IN
ZIP:47906
Country:US
Phone:501-862-5141
CAGE:06284

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

Ingred Name:DIFLUORODIBROMOMETHANE (FREON 12B2)
CAS:75-61-6
RTECS #:PA7525000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM; 9596

=====

= Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:CONTACT W/LIQ CAN CAUSE

FROSTBITE.APPROX LETHAL CONCEN TO RATS FOR 15MINS IS 54000PPM.EXPO TO >1000PPM MAY LEAD TO DIZZ,LACK OF COORDINATION.LEVEL OF 2500PPM IS IMMED DANGEROUS TO LIFE & HEALTH(IDLH L EVEL).CHRONIC OVEREXPO MAY CAUSE LIVER DMG

.SMOKING IN AREAS WHERE CHEM IS RELEASED CAN CAUSE FORMATION OF TOXIC(SUPPLEM)

Explanation of Carcinogenicity:PER

MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO. NOT TESTED FOR CARCINOGENICITY.

Effects of Overexposure:HALON 1202 IRRIT TO NOSE/THROAT.INHAL CAN CAUSE DROWS/UNCONSC.LIQ CONTACT W/SKIN CAN CAUSE FROSTBITE.ANAESTHETIC EFFECTS WILL INCR AS EXPO LEVELS RISE & @HIGH EXPO LEVELS CARDIAC ARRYTHMIAS MAY BE NOT ED.

Medical Cond Aggravated by Exposure:HEART CONDITIONS MAY BE AG GRAVATED BY EXPOSURE.

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

First Aid:INHAL:REMOVE PERSON TO FRESH AIR.NOT BREATH GIVE ART RESP;BREATH DIFFI GIVE OXY.GET MED ATTN.SKIN:FLUSH W/WATER.GET MED ATTN IF FROSTBITE OCCURS.EYE:FLUSH W/WATER.GET MED ATTN.NOTE:EPINEPHRINE IS CONT RAINDICATED IN TREATMENT OF OVEREXPOSURE TO THIS PRODUCT.

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

Flash Point:NON-FLAMM GAS

Autoignition Temp:Auto

ignition Temp Text:NP

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:HALON 1202 IS FIRE EXTINGU AGENT.USE H2OSPRAY TO COOL CYL INVOLVED IN FIRES.USE MEDIA SUITABLE FOR FLAMM MATLS IN AREA.

Fire Fighting Procedures:EXPO TO PERSONNEL IS TO BE AVOIDED FRM SPILL/ACCIDENTAL DISCHARGE/SYS OPERATION DUE TO FIRE.WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:HALON 1202 RELATIVELY TOXIC TO HUMANS @LEVELS BELOW FIRE EXTINGUISHING CONCEN.LOW LEVELS OF TOXIC/

CORRO

HALOGENS/HALOGEN ACIDS ARE RELEASED IN FIRE SITUATIONS.

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

Spill Release Procedures:EVACAUTE AREA.WEAR SELF-CONTAINED BREATHING APPARATUS,VENTILATE ENCLOSED AREAS IN CASE OF RELEASE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:TRANFER FROM 1 VESSEL TO ANOTHER MUST BE DONE IN MANNER TO PREVENT EXPO TO CON
CEN IN EXCESS OF

100PPM.PROTECT CYL FRM PHYSICAL DMG.

Other Precautions:STORAGE TEMPS SHOULD NOT EXCEED 125F.CYL SHOULD BE SECURED FOR STORAGE W/VALVE PROTECTION CAP IN PLACE.STORAGE AREA WHOULD BE WELL VENTILATED.

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

Respiratory Protection:WEAR NIOSH APPROV SELF-CONTAINED BREATHING APPARATUS IF CONCEN >1000PPM EXPECTED.CONSULT ANSI STD & SOHA REGS CONCERNING USE OF RESPIRATORY EQPMT.AVOID PROL EXPO TO EXCESSI

VE

CONCENTRATION.

Ventilation:LOC EXHAU-MATL TRANSF/HNDLG SHOULD BE CONDUCTED W/EXHAU SYS.MECH-ALL INDOOR AREA SHOULD BE WELL VENTILATED.

Protective Gloves:LINE NEOPRENE OR LEATHER-POSSIBLE FROSTB

Eye Protection:CHEM SAF GOGG IF FROSTBITE POSSIBLE

Other Protective Equipment:DONT WEAR CONTACT LENSES.

Work Hygienic Practices:ENSURE THAT PIPING IS EMPTY BEF DOING MAINTAINCE WORK.PERIODICALLY CHECK CYL TO ENSURE VALVES ARE NOT LEAKING.

Supplemental Safety and Health

INCOMPAT MATLS:CE

RTAIN POLYMERIC MATLS. HEALTH:& IRRIT HALOGENS &

HALOGEN ACIDS WHICH COULD BE INHAL W/SMOKE.AVOID EXPO TO

PROD/DECOMPO PRODUCTS WHEN WEARING CONTACT LENSES.CLOUDING OF LENSES MAY OCCU R.

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

HCC:V1

Boiling Pt:B.P. Text:75.0F,23.9C

Melt/Freeze Pt:M.P/F.P Text:-233F,-147C

Decomp Temp:Decomp Text:NP

Vapor Pres:652

Vapor Density:7.2

Spec Gravity:2.29

pH:NP

Viscosity:NP

Evaporation Rate & Reference:N/AVAI

Solubility in

Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, CLEAR LIQUID, WITH SWEET-SMELLING ODOR

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

AVOID CHEM ACTIVE METALS:NA,K,CA,POWDERED AL,ZN,MG.PROD WONT EXTINGUISH FIRES OF THESE METALS.PROD MAY DEGRADE (SUPPLEM)

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:ON CONTACT W/FLAMES/HOT SURF HYDROGEN BROMID,HYDROGEN

FLUORIDE,FREE BROMINE & SMALL AMTS OF CARBONYL HALIDS MAY BE EMITT

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

Waste Disposal Methods:RETURN EMPTY CYL TO GREAT LAKES CHEM COR,EL DORADO,ARKANSAS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.