

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

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===== 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
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===== 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

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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 AGG RAVATED 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:Autoi

gnition 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/C

ORRO

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 CONC EN 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 EXCESSIV

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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:CER

TAIN 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 F

LUORIDE,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.

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