

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:501-862-51

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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

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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 D

MG.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

AGGRAVATED

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 OVEREXPOSURETO THIS PRODUCT.

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

Flash Point:NON-FLAMM GAS

Autoignition Temp:Aut

toignition 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 TOXI

C/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 C
ONCEN 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 EXCES
SIVE
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:

CERTAIN 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,HYDROGE

N 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.

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