

HALON 1301

MSDS Number

BHCXH

National Stock Number

6830-00-104-2654

Product Name

HALON 1301

Manufacturer

GREAT LAKES CHEMICAL CORP

Product Identification

Product ID:HALON 1301

MSDS Date:06/01/1993

FSC:6830

NIIN:00-104-2654

MSDS Number: BHCXH

Responsible Party

GREAT LAKES CHEMICAL CORPORATION

HIGHWAY 52 NW

WEST LAFAYETTE , IN 47906

US

Emergency Phone: 501-862-5141

Info Phone: 317-497-6100

Preparer: DENNIS MCFADDEN

Cage: 2E394

Contractor

GREAT LAKES CHEMICAL CORP

2200

WEST LAFAYETTE, IN 47996-2200

US

765-497-6100/800-949-5167

Cage: 2E394

Ingredients

TRIFLUOROBROMOMETHANE (HALON 1301) (SARA III)

CAS: 75-63-8

RTECS: PA5425000

Fraction By Weight: >99.6%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 9192

Hazards

LD50 LC50 Mixture:LC50 (RAT) = >800,000 PPM FOR 4 HRS.

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

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

Health Hazards Acute and Chronic:MAY CAUSE ANESTHETIC & CARDIAC EFFECTS

AT CONCENTRATIONS > 10% BY VOLUME. SMOKING IN AREAS WHERE THIS

CHEMICAL IS RELEASED CAN CAUSE FORMATION OF TOXIC AND IRRITATING

HALOGENS AND HALOGEN ACIDS WHICH COULD BE INHALED WITH THE SMOKE.
Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED BY IARC,
NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:THE ANESTHETIC EFFECT OF HALON 1301 AT LEVELS
BELOW 10% IS SIMILAR TO A FEELING OF MILD INTOXICATION. ANESTHETIC
EFFECTS END RAPIDLY AFTER EXPOSURE IS TERMINATED. PROLONGED
EXPOSURE TO CONCENTRATIONS ABOVE 10% MAY LEAD TO UNCONSCIOUSNESS
AND POSSIBLY DEATH.

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

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET
MEDICAL ATTENTION. EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES.
GET MEDICAL ATTENTION. SKIN: FLUSH WITH WATER. GETMEDICAL
ATTENTION IF FROST-BITE OCCURS. NOTE: EPINEPHRINE IS
CONTRAINDICATED IN THE TREATMENT OF OVER-EXPOSURE TO THIS PRODUCT.

Fire Fighting

Flash Point:NON-FLAMMABLE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:HALON 1301 IS A FIRE EXTINGUISHING AGENT. USE MEDIA
SUITABLE FOR FLAMMABLE MATERIALS IN AREA.
Fire Fighting Procedures:USE WATER SPRAY TO COOL CYLINDER INVOLVED IN
FIRES. WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:PREDOMINANT DECOMPOSITION PROD:HYDROGEN
FLUORIDE & HYDROGEN BROMIDE WHICH ARE IRRIT&POTENTIALLY
TOXIC.TEMP>1000F RELEASES HF,HB,CARBONYL FLUORIDE,CARBONYL BROMI

Accidental Release

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

Handling

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL
DAMAGE. STORAGE TEMPERATURE SHOULD NOT EXCEED 125F. CYLINDERS
SHOULD BE SECURED FOR STORAGE WITH VALVE PROTECTION CAP.
Other Precautions:NONE

Exposure Controls

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING
APPARATUS IF EXPOSED TO CONCENTRA- TIONS GREATER THAN 10%.
Ventilation:LOCAL EXHAUST FOR MATERIAL TRANSFER AND HANDLING. ALL
INDOOR AREAS SHOULD BE MECHANICALLY VENTILATED.
Protective Gloves:LINED NEOPRENE OR LEATHER (FROSTBITE)
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:DO NOT WEAR CONTACT LENSES.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING.
Supplemental Safety and Health
DETERMINE THAT PIPING IS EMPTY BEFORE DOING MAINTENANCE WORK.
PERIODICALLY CHECK CYLINDERS TO ENSURE VALVES ARE NOT LEAKING.

Chemical Properties

HCC:G3
Boiling Pt:B.P. Text:-72F,-58C
Melt/Freeze Pt:M.P/F.P Text:-270F,-168C
Vapor Pres:6200 @ 0 C
Vapor Density:5.1
Spec Gravity:1.57
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:ODORLESS, COLORLESS GAS
Percent Volatiles by Volume:0

Stability

Stability Indicator/Materials to Avoid: YES
ACTIVE METALS, FIRES OF METAL HYDRIDES, MATERIAL CONTAINING OWN OXYGEN.
PRODUCT DEGRADE CERTAIN POLYMERIC MATERIAL
Hazardous Decomposition Products: HYDROGEN FLUORIDE, HYDROGEN BROMIDE,
BROMINE, CARBONYL FLUORIDE, AND CARBONYL BROMIDE WHEN EXPOSED TO
FLAME/HOT SURFACES

Disposal

Waste Disposal Methods: RETURN CYLINDERS TO GREAT LAKES CHEMICAL
CORPORATION, EL DORADO, ARKANSAS.

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