

GREAT LAKES CHEMICAL CORPORATION -- HALON 1301 -- 6830-00-543-6623

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Product Identification
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Product ID:HALON 1301

MSDS Date:09/01/1990

FSC:6830

NIIN:00-543-6623

MSDS Number: BJNLX

=== Responsible Party ===

Company Name:GREAT LAKES CHEMICAL CORPORATION

Address:HIGHWAY 52 NW

Box:2200

City:WEST LAFAYETTE

State:IN

ZIP:47906

Country:US

Info Phone Num:317-463-2511

Emergency Phone Num:501-862-

5141 OR 317-463-2511

Preparer's Name:DENNIS MCFADDEN

CAGE:2E394

=== Contractor Identification ===

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

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Composition/Information on Ingredients
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Ingred Name:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA III)

CAS:75-63-8

RTECS #:PA5425000

Fraction by Wt: >99.6%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ozone Depleting Chemical:1

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

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 H

ALOGENS 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 Exposur

e:CARDIAC CONDITIONS MAY BE AGGRAVATED BY OVEREXPOSURE.

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

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 Measures =====

Flash Point:NONFLAMMABLE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:HALON 1301 IS A FIRE EXTINGUIDHER. USE WATER FOG TO COOL CYLINDERS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:HEAT OF FIRE MAY P

RODUCE HAZARDOUS

DECOMPOSITION PRODUCTS AND VAPORS, SUCH AS HYDROGEN FLUORIDE,
HYDROGEN BROMIDE, AND CARBONYLS OF FLUORIDE & BROMIDE.

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

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

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

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

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING
APPARATUS IF EXPOSED TO CONCENTRATIONS 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.

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

HCC:G3
Boiling Pt:B.P. Text:-72F,-58C
Melt/Freeze Pt:M.P/F.P Text:-270F,-168C
Vapor Pres:6200 @
0C
Vapor Density:5.1
Spec Gravity:1.57
Solubility in Water:NEGLIGIBLE
Appearance and Odor:ODORLESS, COLORLESS GAS.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
ACTIVE METALS, FIRES OF METAL HYDRIDES, STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:EXTREMELY HIGH TEMPERATURES
Hazardous Decomposition Products:HYDROGEN FLUORIDE, HYDROGEN BROMIDE,
BROMINE, CARBONYL FLUORIDE, AND CARBONYL BRO

MIDE WHEN EXPOSED TO
FLAME/HOT SURFACES

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

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

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