

GREAT LAKES CHEMICAL CORPORATION -- HALON 1211 -- 6830-01-254-5030

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Product Identification
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Product ID:HALON 1211

MSDS Date:07/01/1993

FSC:6830

NIIN:01-254-5030

Status Code:A

MSDS Number: CJTJM

=== 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:317-497-6100

Emergency Phon

e Num:501-862-5141

Preparer's Name:RESEARCH SERVICE DEPT

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

Company Name:KIDDE WALTER PORTABLE EQUIPMENT INC

Address:1394 S 3RD ST

Box:City:MEBANE

State:NC

ZIP:29302

Country:US

Phone:919-563-5911EXT221

Contract Num:SP0450-99-M-J-R87

CAGE:0J0S5

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Composition/Information on In

Ingredients =====

Ingred Name: BROMOCHLORODIFLUOROMETHANE

CAS: 353-59-3

RTECS #: PA5270000

Fraction by Wt: NOT PROVIDED

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

LD50 LC50 Mixture: LC50 FOR RATS, 4 HOURS IS 131,600 PPM.

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

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

Health Hazards Acute and Chronic: ACUTE AND CHRONIC: AT CONCENTRATIONS ABOVE 2 PERCENT, HALON 1211 CAN PRODUCE DIZZINESS, IMPAIRED CO

ORDINATION AND CARDIAC EFFECTS. THE COMPOUND IS REPORTED TO BE MUTAGENIC IN THE AMES TEST, NEGATIVE IN THE MOUSE LYMPHOMA ASSAY, AND NEGATIVE IN MOSUE MICRONUCLEUS ASSAY. NO REPRODUCTIVE EFFECTS REPORTED IN STUDY WITH RATS. SMOKING IN AREA WHERE THIS CHEMICAL IS RELEASED CAN CAUSE FORMATION OF TOXIC AND IRRITATING HALOGENS AND HALOGEN ACIDS, WHICH COULD BE INHALED WITH SMOKE. AVOID EXPOSURE TO PRODUCT AND DECOMPOSITION PRODUCTS WHEN WEARING CONTACT LENSES; CLOUDING

OF LENSES MAY OCCUR. SKIN CONTACT MAY CAUSE FROSTBITE.

Explanation of Carcinogenicity: NOT PROVIDED.

Effects of Overexposure: EXPOSURE FOR MORE THAN A FEW MINUTES ABOVE 2 PERCENT, CAN PRODUCE DIZZINESS, IMPAIRED COORDINATION AND CARDIAC EFFECTS. SKIN CONTACT MAY CAUSE FROSTBITE.

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

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

First Aid: INHALATION: REMOVE PERSON

TO FRESH AIR. IF NOT BREATHING,

GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE

OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: FLUSH WITH WATER.

GET MEDICAL ATTENTION. SEEK MEDICAL ATTENTION IF FROSTBITE OCCURS.

EYES: FLUSH WITH LARGE VOLUME OF WATER. GET MEDICAL ATTENTION

IMMEDIATELY. NOTE: EPINEPHRINE IS CONTRAINDICATED IN THE TREATMENT OF EXPOSURE TO THIS PRODUCT.

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

Flash Point: N

ONFLAMMABLE GAS

Extinguishing Media:HALON 1211 ISA FIRE EXTINGUISHING AGENT. USE WATER SPRAY TO COOL CYLINDERS INVOLVED IN FIRE .USE MEDIA SUITABLE FOR FLAMMABLE MATERIALS IN AREA.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:LOW LEVELS OF TOXIC AND CORROSIVE HALOGENS OR HALOGEN ACIDS ARE RELEASED IN FIRE SITUATIONS.

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

Spill Release Procedures:EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS. VENTILATE ENCLOSED AREAS IN CASE OF DISCHARGE OF HALON 1211.

Neutralizing Agent:NOT RELEVANT.

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

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 IN PLACE.

Other Precautions:NOT PROVIDED.

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

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Respiratory Protection:WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AT CONCENTRATIONS ABOVE 2%. CONSULT ANSI STANDARD AND OSHA REGULATIONS. AVOID PROLONGED EXPOSURE TO EXCESSIVE CONCENTRATIONS.

Ventilation:LOCAL:MATERIAL TRANSFER AND HANDLING SHOULD BE CONDUCTED WITH AN EXHAUST SYSTEM.MECHANICAL:INDOOR AREAS SHOULD BE WELL VENTILATED.

Protective Gloves:LINED NEOPRENE OR LEATHER IF FROSTBITE POSSIBLE

Eye Protection:CHEMICAL SAFETY GOGGLES IF FROSTBITE POSSIBLE

.NO CONTACT LENSES.

Other Protective Equipment:NONE

Work Hygienic Practices:DETERMINE THAT PIPING IS EMPTY BEFORE DOING MAINTENANCE WORK.PERIODICALLY CHECK CYLINDERS TO ENSURE VALVES ARE NOT LEAKING.WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

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

HCC:G3

Boiling Pt:=-4.C, 24.8F

Vapor Pres:1897 @ 70F

Vapor Density:5.8 @ 68F

Spec Gravity:1.83

pH:NOT RELEVANT.

Viscosity:NOT RELEVANT.

Evaporation Ra

te & Reference:NOT AVAILABLE.

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLESS GAS AND LIQUID WITH SWEET ODOR

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT RELEVANT.

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

Stability Indicator/Materials to Avoid:YES

ACTIVE METALS, FIRES OF METAL HYDRIDES, MATERIALS CONTAINING OWN OXYGEN. PRODUCT WILL NOT EXTINGUISH FIRES OF THESE MATERIALS.PRODUCT MAY DEGRADE CERTAIN POLYMERIC MATERIALS.

Stability

Condition to Avoid:NONE

Hazardous Decomposition Products:HYDROGEN HALIDES AND HALOGENS AT FLAME TEMPERATURES IN TRACE AMOUNTS.SMOKING CAN CAUSE FORMATION OF THESE CHEMICALS AND MUST BE AVOIDED IN THE AREA OF RELEASE.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED.

===== Ecological Information =====

Ecological:NOT PROVIDED.

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

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

===== MSDS Transport Information =====

Transport Information:DOT: CHLORODIFLUOROBROMOMETHANE, CLASS 2.2, UN 1974, NON-FLAMMABLE GAS. EXPORT: CHLORODIFLUOROBROMOMETHANE, UN 1974, NON-FLAMMABLE GAS.

===== Regulatory Information =====

SARA Title III Information:NOT PROVIDED.

Federal Regulatory Information:NOT PROVIDED.

State

Regulatory Information:NOT PROVIDED.

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