

MFR UNKNOWN/DEFENSE CONSTRUCTION S. CTR PROCURED --
EXTINGUISHER,FIRE,VAPORIZING LIQUID -- 4210-00-435-9415

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Product Identification
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Product ID:EXTINGUISHER,FIRE,VAPORIZING LIQUID

MSDS Date:07/12/1989

FSC:4210

NIIN:00-435-9415

MSDS Number: BGXJX

=== Responsible Party ===

Company Name:MFR UNKNOWN/DEFENSE CONSTRUCTION S. CTR PROCURED

Box:3990

City:COLUMBUS

State:OH

ZIP:43216-5000

Country:

US

Info Phone Num:614-238-3131

Preparer's Name:DGSC-SLM/DOD-HMIS

CAGE:JO772

=== Contractor Identification ===

Company Name:DEFENSE CONSTRUCTION SUPPLY CENTER

Address:NONE

Box:3990

City:COLUMBUS

State:OH

ZIP:43215-5000

Country:US

Phone:614-238-3131

CAGE:16236

Company Name:MFR UNKNOWN/DEFENSE INDUSTRIAL SUPPLY CTR PROCURED

Address:700 ROBBINS AVENUE

Box:3990

City:PHILADELPHIA

State:PA

ZIP:19111-5096

Country:US

Phone:215-697-2000

CAGE:JO772

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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

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:LC50=416 GM/CUM (RAT)

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

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

Health Hazards Acute and Chronic:ACUTE: ASPHYXIAN'T CNS' & PULMONARY EFFECTS. SKIN IRRITANT. CHRONIC:NON

E KNOWN.

Effects of Overexposure:INHAL:DIZZINESS,DISORIENTATION,IMPAIRED COORDINATION, NARCOSIS, NAUSEA, OR VOMITING,LIGHT-HEADEDNESS,GIDDINESS,BREATH SHORTNESS. CARDIAC ARRHYTHMIA W/ UNCONSCIOUSNESS OR EVEN DEATH IH HI-CONC W/LONG E XPOSURE; SKIN/EYES: CONTACT W/LIQUID CAN CAUSE FROSTBITE, OR SKIN IRRITATION.

Medical Cond Aggravated by Exposure:CARDIAC PROBLEMS. (PRODUCT IS AN ASPHYXIAN'T & CAN INDUCE CARDIAC MUSCLE SENSITIZATION TO CIRCULATE EPINEPHRINE-LIKE COMPOUND

S).

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

First Aid:INHAL:REMOVE TO FRESH AIR-GET MED ATTN & GIVE O*2/CPR AS REQUIRED FOR SITUATION @ HAND; DONOT GIVE EPINEPHRINE OR SIMILIAR DRUNS AS CATERCOLAMINES INCREASE RISK OF ELICITINH CARDIAC DYSRYTHMIAS. EYES/ SKIN:FLUSH W/WATER-TREAT FOR FROSTBITE W/MEDICAL ATTN.; INGEST:NOT LIKELY TO OCCUR.

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

Flash Point:NONE

Extinguishing Media:MATERI

AL IS A FIRE EXTINGUISHANT & IS

NON-FLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE 'SCBA' WHEN FIGHTING FIRES WHERE CHEMICALS ARE INVOLVED.SCBA MAY BE NEEDED IF HALON-1301 CONTAINER RUPTURES OR RELEASES MATERIAL IN HEAT OF FIRE.

Unusual Fire/Explosion Hazard:IN HEAT OF FIRE, HALON-1301 CONTAINER EXPOSED TO INTENSE HEAT OF FIRE MAY RUPTURE & MATERIAL COMPOSITION MAY OCCUR.

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

Spill Release Procedures:EVACUATE AREA OF UNNEEDED PERSONNEL, VENTILATE AREA ESPECIALLY LOW PLACES WHERE HEAVY VAPORS MIGHT COLLECT. COOL OR REMOVE HOT METAL SURFACES OR SOURCES OF NON-EXTINGUISHED FLAMES.

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

Handling and Storage Precautions:STORE & HANDLE AS A LIQUIFIED COMPRESSED GAS IN 'DOT' APPROVED PRESSURE VESSELS AWAY FROM HI-TEMPERATURES.

Other Precautions:AVOID UNNECESSARY EXPOSURE TO HALON 1301! IN

EMERGENCY, EXPOSURE SHOULD BE LIMITED TO: 0-7%, 15 MIN; 7-15%, 1 MIN; 10-15%, 30 SEC; & FOR >15%, PREVENT EXPOSURE. SMALL CONC(5%) OF HALON EXTINGUISHES FLAMES BY CHEMICALLY INTERRUPTING COMBUSTION.

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

Respiratory Protection:NOT NORMALLY NECESSARY IF PROPER ENGINEERING CONTROLS ARE IN PLACE. IF PEL/TLV ARE EXCEEDED,USE POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR. REVIEW 29CFR1910.134 INSTRUCTIONS/WARNINGS AS WELL AS NIOSH

OSHA-RESPIRATOR DECISION LOGIC
PUB87.108.

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW PEL/TLV.

Protective Gloves:LINED BUTYL OR AS REQUIRED FOR TASK.

Eye Protection:CHEMICAL SPLASH TYPE OR AS REQ. FOR TASK

Other Protective Equipment:AS REQUIRED TO MINIMIZE EXPOSURE & MAXIMIZE INDIVIDUAL PROTECTION.

Work Hygienic Practices:OBSERVE PROCEDURES SET FORTH BY SAFETY/HEALTH PERSONNEL FOR USE OF THIS MATERIAL FOR TASK

K AT HAND.

Supplemental Safety and Health

SMALL CONC(5%) OF HALON EXTINGUISH FLAMES BY CHEMICALLY INTERRUPTING COMBUSTION-NOT BY REPLACING O*2. HOWEVER,VAPORIZATION OF EXCESSIVE AMTS CAN DEplete OR REPLACE O*2 NEEDED FOR BREATHING; GENERIC M SDS' ON NSN IDENTIFIED BY "DCSC". UPON RECEIPT OF A MFR'S MSDS UNDER THIS NSN, THE GENERIC WILL BE REMV.

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

HCC:G3

Boiling Pt:B.P. Text:-72F/-58C

Melt/Freeze Pt:M.P/F.P Text

:-270F/-168C

Decomp Temp:Decomp Text:900F/482C

Vapor Pres:10738 @70F

Vapor Density:5.14

Spec Gravity:1.538

Evaporation Rate & Reference:RAPID; REFERENCE UNK

Solubility in Water:0.03 % 77F

Appearance and Odor:COLORLESS LIQUID W/SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ACTIVE METALS (EG ALKALINE EARTH & ALKALINE EARTH METALS, POWERED AL, ZN, BE, ETC.) & METAL HYDRID

ES.

Stability Condition to Avoid:FLAMES OR HOT SURFACES >900F CAN CAUSE DECOMPOSITION OF MATERIAL.

Hazardous Decomposition Products:AT HI-TEMPS(>900F); HF,HBR,FREE BR, POSSIBLE CARBONYL HALIDES, & OXIDES OF BROMINE, FLUORINE, OR CARBON.

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

Waste Disposal Methods:COMPLY W/ALL FEDERAL,STATE, & LOCAL REGULATIONS. RECLAIM MATERIAL IN A SUITABLE VAPOR RECOVERY SYSTEM/EQUIPMENT.

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