

MFR UNKNOWN/DEFENSE CONSTRUCTION S.CTR PROCURED --  
EXTINGUISHER,FIRE,VAPORIZING LIQUID -- 4210-00-930-2625

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Product Identification  
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Product ID:EXTINGUISHER,FIRE,VAPORIZING LIQUID

MSDS Date:07/12/1989

FSC:4210

NIIN:00-930-2625

MSDS Number: BGXKJ

=== 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, CNS' & PULMONARY EFFECTS. SKIN IRRITANT. CHRONIC: NON

E KNOWN.

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

Medical Cond Aggravated by Exposure:CARDIAC PROBLEMS. (PRODUCT IS AN ASPHYXIAN & CAN INDUCE CARDIAC MUSCLE SENSITIZATION TO CIRCULATING EPINEPHRINE-LIKE COMPOUNDS).

===== 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 SIMILAR DRUGS AS CATECOLAMINES INCREASE RISK OF ELICITING CARDIAC DYSRYTHMIAS. EYES/SKI N:FLUSH WITH WATER-TREAT FOR FROSTBITE W/MEDICAL ATTN; INGEST:NOT LIKELY TO OCCUR.

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

Flash Point:NONE

Extinguishing Me

dia:MATERIAL IS A FIRE EXTINGUISHANT & IS  
NON-FLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:USE SCBA' WHEN FIGHTING FIRES WHERE CHEMICAL  
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 =====  
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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 130  
1! 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 COMBUST.

===== 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- 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/IH  
PERSONNEL FOR USE OF THIS MATERI

AL FOR TASKS 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 MSDS' ON NSN IDENTIFIED BY "DGSC". UPONRECEIPT 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, POWEDERED AL, ZN, BE, ETC.) & METAL HYDRIDES.

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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