

MFR UNKNOWN/DEFENSE CONSTRUCTION S.CTR PROCURED --
MIL-E-52031D(ME),EXTINGUISHER,FIRE,VAPORIZI -- 4210-00-555-8837

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Product Identification
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Product ID:MIL-E-52031D(ME),EXTINGUISHER,FIRE,VAPORIZI

MSDS Date:07/12/1989

FSC:4210

NIIN:00-555-8837

MSDS Number: BGXKB

=== 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 I

Ingredients =====

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

Ingred Name:NITROGEN

CAS:7727-37-9

RTECS #:QW9700000

ACGIH TLV:ASPHYXIAN; 9192

===== 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 Hazard

Acute and Chronic:ACUTE:ASPHYXIAN, CNS' & PULMONARY

EFFECTS. SKIN IRRITANT. CHRONIC:NONE 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 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 ASPHY

XIAN & 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

DYSRHYTHMIAS. EYES/SKIN:FLUSH W/WATER-TREAT FOR FROSTBITE W/MEDICAL

ATTN; INGEST:NOT LIKELY TO OCCUR.

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Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:MATERIAL 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

DECOMPOSITION 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%, 30SEC; & 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

ces:OBSERVE PROCEDURES SET FORTH BY SAFETY/IH
PERSONNEL FOR USE OF THIS MATERIAL FOR TASK AT HAND.

Supplemental Safety and Health

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

===== Physical/Chemical Proper
ties =====

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 METAL

S (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 MATE

RIAL IN A SUITABLE VAPOR RECOVERY SYSTEM/EQUIPMENT.

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