

MFR UNKNOWN/DEFENSE CONSTRUCTION S.CTR PROCURED --

MIL-E-52031D(ME),EXTINGUISHER,FIRE,VAPORIZI -- 4210-00-555-8837

===== Product Identification =====

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

===== Composition/Information on Ingredients =====

Ingred Name:TRIFLUOROBROMOMETHANE (HA

LON 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 Hazards Acute and Chronic:ACUTE:ASPHYXIAN, CNS' & PULMONARY  
EFFECT  
S. 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 E XPOSURES; 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 SIMILIAR  
DRUGS AS CATECOLAMINES INCREASE RISK OF ELICITING CARDIAC  
DYSRYTHMIAS. EYES/S KIN:FLUSH W/WATER-TREAT FOR FROSTBITE W/MEDICAL  
ATTN; INGEST:NOT LIKELY TO OCCUR.

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

Flash Point:NONE  
E

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 EX  
POSURE 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: OBSERVE PROCEDURES SET FORTH BY SAFETY/HEALTH  
PERSONNEL FOR USE

SE 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 Properties =====

HCC:G3

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

M

elt/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, Z N, 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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