

MFR	UNKNOWN/DEFENSE	CONSTRUCTION	S.CTR.	PROCURED	--
EXTINGUISHER,FIRE,VAPORIZING LIQUID -- 4210-01-143-5938					
===== Product Identification =====					

Product ID:EXTINGUISHER,FIRE,VAPORIZING LIQUID
MSDS Date:07/12/1989
FSC:4210
NIIN:01-143-5938
MSDS Number: BGXKZ
=== Responsible Party ===
Company Name:MFR UNKNOWN/DEFENSE CONSTRUCTION S.CTR. PROCURED
Box:3990
City:COLUMBUS
State:OH
ZIP:43216-5000
Country:U
S
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:BROMOTRIFLUOROMETHANE
CAS:75-63-8
RTECS #:PA5245000
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM
Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:LC50=416 GMM/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:NONE KNOWN.
Effects of Overexposur
e: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/LON G 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
CIRCULATINGH 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 W/WATER-TREAT FOR FROSTBITE W/MEDICAL
ATTN; INGEST:NOT LIKELY TO OCCUR.

===== 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 COMPOSITION
MAY OCCUR.

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

Spill Release Procedures:EVA

CUATE 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- RESPIRATOR DECISION LOG
IC
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 PRECEDURES SET FORTH BY SAFETY/IH
PERSONNEL FOR USE OF THIS MATERIAL FOR TASKS AT HAND.

Supplemental Sa

fety and Health

SMALL CONC(5%) OF HALON EXTINGUISH FLAMES BY CHEMICALLY INTERRUPTING
COMBUSTION-NOT BY REPLACING O₂. HOWEVER, VAPORIZATION OF EXCESSIVE
AMTS CAN DEplete OR REPLACE O₂ NEEDED FOR BREATHING; GENERIC
MSDS' 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, POWDERED
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 REGULATION.
RECLAIM MATERIAL IN A SUITABLE VAPOR RECOVERY SYSTEM/EQUIPMENT.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.