

MFR. UNKNOWN/ DEFENSE CONSTRUCTION S.CTR. PROCURED --
EXTINGUISHER,FIRE,VAPORIZING LIQUID -- 4210-01-202-9786
===== Product Identification =====

Product ID:EXTINGUISHER,FIRE,VAPORIZING LIQUID
MSDS Date:07/12/1989
FSC:4210
NIIN:01-202-9786
MSDS Number: BGXNW
=== Responsible Party ===
Company Name:MFR. UNKNOWN/ DEFENSE CONSTRUCTION S.CTR. PROCURED
Box:3990
City:COLUMBUS
State:OH
ZIP:43216-5000
Count
ry:US
Info Phone Num:614-238-3131
Preparer's Name:DGSC-SLM/ DOD-HMIS
CAGE:MO879
=== 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 CONSTRUCTION S.CTR. PROCURED
Box:3990
City:COLUMBUS
State:OH
ZIP:43216-5000
Country:US
Phone:614-238-3131
CAGE:MO879

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

Ingred Name:TR

IFLUOROBROMOMETHANE (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: NONE KNOWN.

Effects of Overe

xposure: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/L ONG EXPOSURE; 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:INHAL: REMOVE TO FRESH AIR-GET MED. ATTN. & GIVE

O*2/CPR AS REQUIRED FOR SITATION & HAND; DO NOT GIVE EPINEPHRINE OR
SIMILAIR DRUGS AS CATECOLAMINES INCREASEMRISK OF ELICITING CARDIAC
DYSRYTHMIA S. EYES/SKIN: FLUSH W/WATER - TREAT FORFROSTBITE
W/MEDICAL ATTN. ; INGESTED: 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 CHEMICAL

ARE INVOLVED. SCBA MAY BE NEEDED IF HALON-1301 CONTAINER RUPTURES
OR REALEASES 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 SOURCESOF 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 FLAM ES BY CHEMICALLY INTERR. 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
INSTRUCTION/WARNINGS AS WELL AS NIOSH-RE SPIRAT
OR 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 FIR USE OF THIS MATERIAL FOR AT HAND.

Suppl

emental 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". UPON RECIEPT 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

D

ecomp Temp:Decomp Text:900F/482C
Vapor Pres:10738 &70F
Vapor Density:5.14
Spec Gravity:1.538
Evaporation Rate & Reference:RAPID REFERENCE UUNK.
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
REGULATIONS. 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.