

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

Coun

try: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:T

RIFLUOROBROMOMETHANE (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 Over

exposure: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 SITUATION & 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 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 EMERGENC

Y, 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 SPIRA TOR 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.

Supp

lemental 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

Decomp 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.

Stabili

ty 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 BROMING, FLURINE, OR CARBON.

===== Disposal Considerations =====

Waste Disposal Methods:COMPLY W/ALL FEDERAL, STSATE, & 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.