

EXTINGUISHER,FIRE,VAPORIZING LIQUID

MSDS Number

BHBXQ

National Stock Number

4210-01-092-3263

Product Name

EXTINGUISHER,FIRE,VAPORIZING LIQUID

Manufacturer

MFR UNKNOWN DEFENSE CONSTRUCTION S CTR PROCURED

Product Identification

Product ID:EXTINGUISHER,FIRE,VAPORIZING LIQUID

MSDS Date:07/12/1989

FSC:4210

NIIN:01-092-3263

MSDS Number: BHBXQ

Responsible Party

MFR. UNKNOWN/ DEFENSE CONSTRUCTION S.CTR. PROCURED

COLUMBUS , OH 43216-5000

US

Info Phone: 614-238-3131

Preparer: DGSC-SLM DOD-HMIS

Cage: MO879

Contractor

MFR. UNKNOWN/ DEFENSE CONSTRUCTION S.CTR. PROCURED

3990

COLUMBUS, OH 43216-5000

US

614-238-3131

Cage: MO879

Ingredients

BROMOCHLORODIFLUOROMETHANE (AS EXTINGUISHING AGENT)

CAS: 353-59-3

RTECS: PA5270000

OSHA PELNONE ESTABLISHED

ACGIH TLV: NONE ESTABLISHED

NITROGEN

CAS: 7727-37-9

RTECS: QW9700000

ACGIH TLV: ASPHYXIAN; 9192

Hazards

LD50 LC50 Mixture:LC50(RAT): 20 PH/15M

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 Overexposure: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

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
DYSRHYTHMIAS. EYE S/SKIN: FLUSH W/WATER - TREAT FOR FROSTBITE
W/MEDICAL ATTN. ; INGEST: NOT LIKELY TO OCCUR.

Fire Fighting

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-1211 CONTAINER RUPTURES
OR REALEASE MATERIAL IN HEAT OF FIRE.
Unusual Fire/Explosion Hazard:IN HEAT OF FIRE HALON-1211 CONTAINER
EXPOSED TO INTENSE HEAT OF FIRE MAY RUPTURE & MATERIAL COMPOSITION
MAY OCCUR.

Accidental Release

Spill Release Procedures:EVACUATE AREA OF UNNEEDED PERSONNEL,
VENTILATE AREA ESPECIALLY LOW PLACES WHERE HEAVEY VAPORS MIGHT
COLLECT.COOL OR REMOVE HOT METAL SURFACE OR SOURCES OF
NON-EXTINGUISHED FLAMES.

Handling

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 1211 ! ABOVE
4%(17 LBS/1000 CU FT AIR & >1 MIN:DIZZINESS,IMPAIRED COORDINATION &
REDUCED MENTAL ALERTNESS); ABOVE 5% CONC(22 LBS/1000 CU FT OF
AIR),USE AIR-SUPPLIED RESPIRATORS.

Exposure Controls

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/WARNING AS WELL AS NIOSH-RE SPIRATOR DECISION LOGIC
PUB87.108.
Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN
PATTERN/VOLUME TO CONTROL INHALATION EXPOSURE 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 INDIVIDUAL PROTECTION.
Work Hygienic Practices: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
COBUSTION-NOT BY REPLACING O*2. HOWEVER, VAPORIZATION OF EXCESSIVE
AMTS. CAN DEplete OR REPLACE OR REPLACE O*2 NEEDED FOR BREATHIN G;
GERNRIC 'MSDS' ON NSN IDENTIFIED BY "DCSC" NSN, THE GENERIC WILL BE
REMOVED.

Chemical Properties

HCC:G3
Boiling Pt:B.P. Text:26F/-3.3X
Melt/Freeze Pt:M.P/F.P Text:-257F/-161C
Decomp Temp:Decomp Text:N/LK
Vapor Pres:1897 @ 70F
Vapor Density:5.7
Spec Gravity:1.83
Evaporation Rate & Reference:RAPID; REFERENCE UNK.
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS LIQUIFIED GAS(SEE BOILING PT) W/SLIGHT
ETHEREAL ODOR.
Percent Volatiles by Volume:100

Stability

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 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, FLUORINE, OR
CARBON.

Disposal

Waste Disposal Methods:COMPLY W/ALL FEDERAL,STATE, & LOCAL REGULATIONS.
RECLAIM MATERIAL IN A SUITABLE VAPOR RECOVERY SYSTEM/EQUIPMENT.

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