

## **EXTINGUISHER,FIRE,VAPORIZING LIQUID**

### **MSDS Number**

BHCVV

### **National Stock Number**

4210-01-092-4420

### **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:01-092-4420

MSDS Number: BHCVV

### **Responsible Party**

MFR. UNKNOWN/ DEFENSE CONSTRUCTION S.CTR. PROCURED

COLUMBUS , OH

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 PPH/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, LIGHTNESS, GIDDINESS, BREATH SHORTNESS. CARDIAC ARRHYTHMIA W/ UNCONSCIOUSNESS OR EVEN DEATH IH HI-CONC W/LONG EX POSURES; 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 SIMILAIR DRUGS AS CATECOLAMINES INCREASE RISK OF ELICITING CARDIAC DYSRYTHMIAS. EYES /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 RELEASES MATERIAL IN HWAT OF FIRE.  
Unusual Fire/Explosion Hazard:IN HAEAT OF FIRE, HALON-1211 CONTAINER EXPOSED TO INTENSE HEAT OF FIRE MAY RUPTURE & MATERIAL COMPOSITION MAY OCCUR.

## Accidental Release

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

## Handling

Handling and Storage Precautions:STORE & HANDLE AS A LIQUIFIED COMPRESSED GAS IN 'DOT' APPROVED PRESSURE VESSELS AWAY FOM 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/TVL ARE EXCEEDED, USE POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR. REVIEW 29CFR1910.134 INSTRUCTIONS/WARNING AS WELL AS NIOSH-R ESPIRATOR DECISION LOGIC PUB.108.  
Ventilation:PROVICE 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 SAFETY/ IH PERSONNEL FOR USE OF THIS MATERIAL/FOR TASKS AT HAND.  
Supplemental Safety and Health  
SMALL CONC( 5%) OF HALON EXTINGUISH FLAMES BY CHEMICALLY INTERRUPTING COMBUUSTION-NOT BY REPLACING O\*2 NEEDED FOR BREATHING; GENERIC 'MSDS' ON NSA IDENTIFIED BY "DGSC". UPON RECIEPT OF A MFR'S MSDS UN DER THIS NSN, THE GENERIC WILL BE REMV.

## Chemical Properties

HCC:G3  
Boiling Pt:B.P. Text:26F/-3.3C

Melt/Freeze Pt:M.P/F.P Text:-257F/-161C  
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 OR HOT SURFACES >900F 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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