

GENERAL FIRE EXTINGUISHER CORP. -- EXTINGUISHER,FIRE,VAPORIZING LIQUID --
4210-00-708-0031

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Product Identification
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Product ID:EXTINGUISHER,FIRE,VAPORIZING LIQUID
MSDS Date:07/12/1989
FSC:4210
NIIN:00-708-0031
MSDS Number: BKBLJ
=== Responsible Party ===
Company Name:GENERAL FIRE EXTINGUISHER CORP.
Address:1685 SHERMER ROAD
City:NORTHBROOK
State:IL
ZIP:60062-5315
Country:US
Info Phone Number:312-272-7500
Emergency Phone Num:312-272-7500
Preparer's Name:DGSC-SLM/ DOD-HMIS
CAGE:99539

==== Contractor Identification ====
Company Name:GENERAL FIRE EXTINGUISHER CORP
Address:1685 SHERMER RD
Box:City:NORTHBROOK
State:IL
ZIP:60062-5315
Country:US
Phone:(708) 847-272-7500; 847-272-7500
CAGE:99539

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Composition/Information on Ingredients
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Ingred Name:BROMOCHLORODIFLUOROMETHANE (AS EXTINGUISHING AGENT)
CAS:353-59-3
RTECS #:PA5270000
Other REC Limits:SEE LC50 INFORMATION.
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:NITROGEN
CAS:7727-37-9
RTECS #:QW9700000
ACGIH TLV:ASPHYXIAN; 9192

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Hazards Identification
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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:l

NHAL: DIZZINESS, DISORIENTATION, IMPAIRE
COORDINATION, NARCOSIS, NAUSEA, OR VOMITING, LIGHT-HEADEDNESS
GIDDINESS, BREAT SHORTNESS. CARDIAC ARRHYTHMIA W/ UNCONSCIOUSNESS
OR EVEN DEATH IN HI-CONC W/LO EXPOSURES; SKIN/EYES: CONTACT
W/LIQUID CAN CAUSE FROSTBITE, OR SKIN IRRITATION.

Medical Cond Aggravated by Exposure: CARDIAC PROBLEMS. (PRODUCT IS AN

===== First Aid Measures =====

First Aid: INHAL: REMOVE TO FRESH AIR-GET MED. ATTN. GIVE O₂/CPR
AS

REQUIRED FOR SITUATION & @ HAND; DONOT GIVE EPINEPHRINE OR SIMILAR
DRUGS AS CATECOLAMINES INCREASE RISK OF ELICITING CARDIAC
DYSRYTHMIAS EYES/ SKIN: FLUSH CARDIAC DYSRYTHMIAS. 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-1211 CONTAINER RUPTURES
RELEASES 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 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 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-SUPPLIE D RESPIRATORS.

===== 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/WARNING AS WELL AS NIOSH-R ESPIRATOR DECISON LOGIC PUB#87.108.

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION E XPOSURE 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 FOR USE OF THIS MATERIAL FOR TASK AT HAND

Supplemental Safety and Health

SMALL CONC(5%) OF HALON EXTINGUISH FLAME BY CHEMICALLY INTERRUPTING COMBUSTION-NOT BY REPLACING O*2. HOWEVER,VAP

ORIZATION OF EXCESSIVE

AMTS. CAN DEplete OR REPLACE O+2 NEEDED FOR BREATHIN THIS INFORMA TION COPIED FROM A GENERIC MSDS COVERING A FIRE EXTINGUISHER OR TH SAME MATERIAL.

===== Physical/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:COLO

RLESS LIQUIFIED GAS(SEE BOILING PT) W/SLIGHT ETHEREA ODOR.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACTIVE METALS (EG. ALKALINE EARTH & ALKALINE EARTH METALS POWDERD 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 CARB

ONLY 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.

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