

METALCRAFT INC -- HALON 1301 EXTINGUISHING AGENT -- 6830-00-555-8837

===== Product Identification =====

Product ID:HALON 1301 EXTINGUISHING AGENT

MSDS Date:06/01/1989

FSC:6830

NIIN:00-555-8837

MSDS Number: BJRFF

=== Responsible Party ===

Company Name:METALCRAFT INC

Address:718 DEBELIUS AVE

City:BALTIMORE

State:MD

ZIP:21205-3401

Country:US

Info Phone Num:301-485-0880

Emergency Phone Num:800-457-4280

CAGE:06535

=== Contractor Identification ===

Company Name:META

LCRAFT INC

Address:9331 PHILADELPHIA ROAD

Box:City:BALTIMORE

State:MD

ZIP:21237

Country:US

Phone:410-687-5500

CAGE:06535

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

Ingred Name:BROMOTRIFLUOROMETHANE (HALON 1301) (SARA III)

CAS:75-63-8

RTECS #:PA5425000

Fraction by Wt: 100%

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9192

Ozone Depleting Chemical:1

===== Hazards Identification =====

LD50 LC50 Mixture:LC50 RAT >800000PPM(V/V)/4HR

Routes of E

ntry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: CONTACT WITH LIQUID CAN CAUSE
"FREEZER" BURNS; SKIN: CONTACT WITH LIQUID CAN CAUSE "FROSTBITE;
INGEST: MILDLY TOXIC, AFFECTING THE CENTRAL NERVOUS SYSTEM; INHALE:
AT CONCENTRATIONS GREATER THAN 2 0,000 PPM, IRREGUALRITIES IN THE
CENTRAL NERVOUS SYSTEM AND CARDIAC MUSCLE ARE EXHIBITED.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGRED
IENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:EYE/SKIN:CONTACT CAN CAUSE FROSTBITE;
INHALATION:SUFFOCATION,LIGHT-HEADEDNESS,GIDDINESS,SHORTNESS OF
BREATH.MAY LEAD TO NARCOSIS,CARDIAC IRREGULARITIES,UNCONSCIOUSNESS
OR DEATH.
Medical Cond Aggravated by Exposure:NONE NOTED.

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

First Aid:EYE/SKIN:FLUSH WITH WATER.IN CASE OF FROSTBITE,SEE
DOCTOR
;INHALATION:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED.SEE
DOCTOR.DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS.

===== Fire Fighting Measures =====

Flash Point:NONE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR
SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SCBA & PROTECTIVE CLOTHING.SPRAY FIRE
EXPOSED CONTAINERS WITH WATER.
Unusual Fire/Explosion Hazard:CYLINDERS MAY RUPTURE OR
RELEASE DURING
FIRE CONDITIONS.

===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA.REMOVE HOT METAL SURFACES OR
SOURCE OF NON-EXTINGUISHED FLAMES.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN CLEAN,DRY AREA.DO N HEAT
ABOVE 125F(57C).
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Co

ntrols/Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED. WEAR SCBA IN CASE OF
LARGE SPILL.

Ventilation:LOCAL EXHAUST.

Protective Gloves:LINED BUTYL GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYEWASH STATION AND EMERGENCY SHOWER.

Work Hygienic Practices:AVOID LIQUID CONTACT WITH SKIN AND EYES AND
UNNECESSARY BREATHING OF VAPORS.

Supplemental Safety and Health

PREVIOUS STOCK CLASS WAS 4210.

===== Physical/Chemical Properties =====

HCC:G3

Boiling Pt:B.P. Text:-72F(-58C)

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:12134

Vapor Density:5.14

Spec Gravity:1.538

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIQUIFIED GAS,COLORLESS,SLIGHT ETHERAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS-POWDERED AL,ZN,
BE,ETC.

Stability Condition to Avoid:HIGH TEMPERATURES,FLAMES.

Hazardous Decomposition Products:HYDROGEN FLUORIDE,HYDROGEN
BROMIDE,FREE BROMINE-POSSIBLE CARBONYL HALIDES.

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH ALL APPLICABLE
FEDERAL,STATE AND LOCAL REGULATIONS.

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.