

METALCRAFT INC -- HALON 1301 CF3BR -- 6830-00-965-9647

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

Product ID:HALON 1301 CF3BR

MSDS Date:01/01/1991

FSC:6830

NIIN:00-965-9647

MSDS Number: BSKTY

=== Responsible Party ===

Company Name:METALCRAFT INC

Address:718 DEBELIUS AVE

City:BALTIMORE

State:MD

ZIP:21205

Country:US

Info Phone Num:301-485-0880

Emergency Phone Num:800-457-4280

CAGE:06535

=== Contractor Ident

ification ===

Company Name:METALCRAFT 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%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9394

Ozone Depleting Chemical:1

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

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LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: CONTACT WITH LIQUID CAN CAUSE "FREEZER" BURNS. SKIN: CONTACT WITH LIQUID CAN CAUSE FROSTBITE. INHALATION: AT CONCENTRATIONS >20,000 PPM, IRREGULARITIES IN CENTRAL NERVOUS SYSTEM AND CARDIAC MUSCLE ARE EXHIBITED. INGESTION: MILDLY TOXIC BY INGESTION, AFFECTING CENTRAL NERVOUS SYSTEM.
Effects of Overexposure:EYES: "FREEZER" BURNS. SKIN: FROSTBITE. INHALATION: IRREGULARITIES IN CENTRAL NERVOUS SYSTEM AND CARDIAC MUSCLE. INGESTION: CENTRAL NERVOUS SYSTEM EFFECTS.
Medical Cond Aggravated by Exposure:ANEMIA, ASTHMA, DERMAL SENSITIVITY AND LOW BLOOD PRESSURE.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: IF ADVERSE SYMPTOMS DEVELOP, MOVE TO FRESH AIR AND GIVE OXYGEN IF NEEDED. GET MEDICAL ATTENTION. INGESTION: FOR LARGE AMOUNTS INGESTED, INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Extinguishing Media:NON-FLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE, OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:MOVE CONTAINER FROM FIRE AREA, IF POSSIBLE. COOL FIRE EXPOSED CONTAINERS WITH WATER WELL AFTER FIRE IS OUT, TO PREVENT POSSIBLE EXPLOSIONS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA AND REMOVE ALL IGNITION SOURCES. CONTAIN SPILL BY BUILD

DING A DIKE USING

ABSORBENT MATERIAL. COLLECT SPILL WITH ABSORBENT MATERIAL AND PLACE INTO A DRUM APPROVED FOR WASTE DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER IN A COOL, WELL-VENTILATED AREA AWAY FROM HEAT, SPARKS, OPEN FLAMES, HOT SURFACES AND INCOMPATIBLE MATERIALS.

Other Precautions:AVOID EYE AND SKIN CONTACT. WHEN TRANSFERRING FROM

CONTAINERS, GROUND AND BOND BOTH CONTAINERS. DO NOT INHALE VAPORS. KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS. WHERE EXPOSED TO DUST/FUMES WEAR NIOSH RESPIRATOR FOR DUST/MISTS/FUMES APPROVED FOR THE AIRBORNE CONCENTRATION. WHERE VAPORS ARE GENERATED, USE NIOSH ORGANIC RESPIRATOR APPROVED FOR THE EXPOSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL

EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW APPROVED PEL OR TLV.

Protective Gloves:NITRILE OR NATURAL RUBBER GLOVES.

Eye Protection:SPLASH PROOF GOGGLES WITH SIDE SHIELDS.

Other Protective Equipment:WEAR IMPERVIOUS BODY COVERING AND BOOTS WHERE SPILLS OR SPLASHING OCCUR.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

===== Physical/

Chemical Properties =====

HCC:G3

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

Melt/Freeze Pt:M.P/F.P Text:-270F,-168C

Vapor Pres:220 PSIG

Vapor Density:5.14

Spec Gravity:1.54

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, LIQUEFIED GAS. SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALINE EARTH METALS, ALKALI, POWDERED ALUMINUM, ZINC, BERYLLIUM.

Stability Conditions

on to Avoid:EXPOSURE TO FLAMES OR HOT SURFACES ABOVE
850F (454C).

Hazardous Decomposition Products:HYDROBROMIC, HYDROCHLORIC AND
HYDROFLUORIC ACIDS, POSSIBLY FREE HALIDES AND CARBONYL HALIDES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE
AND FEDERAL REGULATIONS. RECOVERED MATERIAL CAN BE INCINERATED IN A
FURNACE WHERE PERMITTED.

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