

METALCRAFT INC -- RECYCLED HALON 1301 CF3BR -- 6830-01-392-5012

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

Product ID:RECYCLED HALON 1301 CF3BR

MSDS Date:10/14/1987

FSC:6830

NIIN:01-392-5012

MSDS Number: CFVZC

=== Responsible Party ===

Company Name:METALCRAFT INC

Address:718 DEBELIUS AVE

City:BALTIMORE

State:MD

ZIP:21205

Country:US

Info Phone Num:410-485-0880/FAX -4451

Emergency Phone Num:800-457-4280

CA

GE:06535

=== Contractor Identification ===

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:TRIFLUOROBROMOMETHANE (HALON 1301) (SARA 313) (CERCLA)

CAS:75-63-8

RTECS #:PA5425000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9596

Ozone Depleting Chemical:1

===== H

azards Identification =====

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:NO Skin:YES 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. MILDLY TOXIC BY INGESTION, AFFECTING THE CENTRAL NERVOUS SYSTEM. INHALATION AT CONCENTRATIONS GREATER THAN 20,000 PPM MAY CAUSE IRREGULARITIES IN THE C

ENTRAL NERVOUS SYSTEM AND CARDIAC MUSCLE.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:FREEZER BURNS, FROSTBITE, CENTRAL NERVOUS SYSTEM EFFECTS, CARDIAC MUSCLE EFFECTS.

Medical Cond Aggravated by Exposure:ANEMIA, ASTHMA, DERMAL SENSITIVITY AND LOW BLOOD PRESSURE.

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

First Aid:EYES: FLU

SH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS

OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.

WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL

ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET

MEDICAL ATTENTION. INGESTION: FOR LARGE AMOUNTS INGESTED, INDUCE

VOMITING WITH IPECAC. DO NOT INDUCE VOMITING IF PERSON IS COMATOSE.

SEE PHYSICIAN.

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

Flash Point:

NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED

BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND

CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:IRRITATING AND/OR TOXIC GASES DUE TO

DECOMPOSITION OF THE PRODUCT MAY BE GENERATED DURING A FIRE. MOVE

CONTAINER FROM FIRE AREA.

=====

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

Spill Release Procedures: VENTILATE THE AREA AND REMOVE ALL IGNITION SOURCES. CONTAIN THE SPILL BY BUILDING A DIKE USING ABSORBENT MATERIAL. COLLECT THE REMAINDER OF THE SPILL WITH ABSORBENT MATERIAL AND PLACE THE MATERIAL INTO A DRUM APPROVED FOR WASTE DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: MINIMIZE VAPORIZATION BY SEALING IN A

TIGHTLY CLOSED CONTAINER. STORE IN A COOL, WELL VENTILATED AREA.

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES.

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

CONTAINERS, GROUND AND BOND BOTH CONTAINERS.

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

Respiratory Protection: FOR CONDITIONS WHERE EXPOSURE TO DUST AND FUMES IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO

THE AIRBORNE CONCENTRATION MAY BE WORN. WHERE VAPORS

ARE GENERATED, A NIOSH APPROVED ORGANIC RESPIRATOR MAY DO.

Ventilation: PROVIDE LOCAL EXHAUST VENTILATION WHERE A BUILD UP OF VAPORS MAY EXCEED THE LISTED PEL OR TLV IN WORKER BREATHING ZONES.

Protective Gloves: NITRILE OR NATURAL RUBBER

Eye Protection: SPLASH PROOF GOGGLES WITH SIDE SHIELDS

Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NOTE TO PHYSICIAN: PRODUCT IS AN ASPHYXIANT AND MAY INDUCE CARDIAC MUSCLE SENSITIZATION TO EPINEPHRINE-LIKE COMPOUNDS. DO NOT GIVE ADRENALIN OR SIMILAR SYMPATHOMIMETIC DRUGS.

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

HCC: G3

Boiling Pt: B.P. Text: 5F, -15C

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

V

apor Pres:220 PSIG

Vapor Density:5.14

Spec Gravity:1.54

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR LIQUIFIED GAS, WITH 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 Condition to Avoid:AVOID EXPOSURE TO FLAMES OR HOT SURFACES
ABOVE 850F.

Haza

rdous Decomposition Products:HYDROBROMIC, HYDROCHLORIC AND
HYDROFLUORIC ACIDS, POSSIBLE FREE HALIDES AND CARBONYL HALIDES.

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

Waste Disposal Methods:RECOVERED MATERIAL CAN BE INCINERATED IN A
FURNANCE WHERE PERMITTED, OBSERVING ALL LOCAL, STATE AND FEDERAL
REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defe

nse. 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.