

METALCRAFT INC -- RECYCLED HALON 1301 CF3BR -- 6830-00-555-8837

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Product Identification
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Product ID:RECYCLED HALON 1301 CF3BR

MSDS Date:06/01/1989

FSC:6830

NIIN:00-555-8837

Status Code:A

MSDS Number: CLNTY

=== Responsible Party ===

Company Name:METALCRAFT INC

Address:9331 PHILADELPHIA ROAD

City:BALTIMORE

State:MD

ZIP:21237

Country:US

Info Phone Num:410-687-5500

Emergency Phone Num:800-4

57-4280

Resp. Party Other MSDS Num.:AT027

CAGE:06535

=== Contractor Identification ===

Company Name:METALCRAFT INC

Address:9331 PHILADELPHIA ROAD

Box:City:BALTIMORE

State:MD

ZIP:21237

Country:US

Phone:410-687-5500

Contract Num:SP0450-01-M-ZF54

CAGE:06535

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Composition/Information on Ingredients
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Ingred Name:BROMOTRIFLUOROMETHANE

CAS:75-63-8

RTECS #:PA5425000

= Wt:100.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ozone Depleting Chemical:1

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==== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO

Health Hazards Acute and Chronic:EYE CONTACT-CONTACT WITH LIQUID CAN CAUSE FREEZER BURNS. SKIN CONTACT-CONTACT WITH LIQUID CAN CAUSE FROSTBITE. INGESTION-MILDLY TOXIC BY INGESTION, AFFECTING THE CENTRAL NERVOUS SYSTEM. INHALATION-AT CONCENTRATIONS GREATER THAN 20,000 PPM MAY CAUSE IRREGULARITIES IN THE CENTRAL NERVOUS SYSTEM

AND CARDIAC MUSCLE ARE EXHIBITED. CHRONIC TOXICITY: NO EFFECTS FROM CHRONIC EXPOSURE ARE KNOWN.

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

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

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH FLOWING WATER FOR 15 MINS. SEE A PHYSICIAN IF IRRITATION PERSISTS. SKIN: REMOVE CONTAMINATED CLOTHING & WASH EXPOSED SKIN WITH LARGE AMOUNTS OF WATER. SEE PH

YSICIAN I F IRRITATION PERSISTS. INGESTION: FOR LARGE AMOUNTS, INDUCE VOMITING WITH IPECAC. DO NOT INDUCE VOMITING IF THE PERSON IS COMATOSE. SEE PHYSICIAN. INHALATION: NO HARMFUL EFFECTS ARE ANTICIPATED FROM BREATHING LOW CONCENTRATIONS FOR A SHORT PERIOD. IF A PROBLEM DEVELOPS, REMOVE THE PERSON TO FRESH AIR & SUPPLY OXYGEN IF NECESSARY.

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

Extinguishing Media:NONFLAMMABLE.

Fire Fighting Procedures:FIRE FIGHTERS

IN THE EVENT OF FIRE, WEAR FULL PROTECTIVE CLOTHING & NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE, OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MOVE CONTAINER FROM THE FIRE AREA, IF POSSIBLE. COOL FIRE EXPOSED CONTAINERS WITH WATER WELL AFTER THE FIRE IS OUT TO PREVENT POSSIBLE EXPLOSIONS.

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

Spill Release Procedures:VENTILATE THE AREA AND REMOVE ALL IGNITABLE

ION

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.

===== 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. AVOID EYE AND SKIN CONTACT. WHEN TRANSFERRING FROM CONTAINERS, GROUND AND BOND BOTH CONTAINERS.

Other Precautions: HMIS: HEALTH-1, FIRE-0, REACTIVITY-0, PROTECTION-H.

===== 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 SUITABLE TO THE AIRBORNE CONCENTRATIONS IS RECOMMENDED.

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

Protective Gloves: USE NITRILE (NBR) OR NATURAL RUBBER.

Eye Protection: SPLASH PROOF GOGGLES WITH SIDE SHIELDS ARE RECOMMENDED FOR ANY TYPE HANDLING.

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

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER

BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

VENTILATION: THE FOLLOWING PUBLICATION OFFERS VENTILATION GUIDELINES AND TECHNIQUES: "INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICES" AVAILABLE FOR THE ACGIH.

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

HCC:G3

Boiling Pt: -15.C, 5.F

Melt/Freeze Pt: -168.C, -270.4F

Vapor Pres: 220 PSIG

Vapor Density: 5.14

Spec Gravity: 1.54

Solubility in Water: NEGLIGIB

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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: EXPOSURE TO FLAMES OR HOT SURFACES ABOVE 850F.

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

IRITATING &/OR TOXIC GASES DUE TO DECOMPOSITION OF THE PRODUCT MAY BE GENERATED DURING A FIRE.

Conditions to Avoid Polymerization: DOES NOT OCCUR.

===== Toxicological Information =====

Toxicological Information: CARCINOGENICITY: NO-NTP. NO-IARC.

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

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

===== MSDS Transport Information =====

Transport Information: DOT PROPER SHIPPING NAME: BROMOTRIFLUOROMETHANE R13B1. DOT HAZARD CLASS: NON-FLAMMABLE COMPRESSED GAS 2.2. DOT LABEL: NON-FLAMMABLE COMPRESSED GAS. DOT ID#: UN1009.

===== Regulatory Information =====

SARA Title III Information: SARA HAZARD CLASSIFICATION: IMMEDIATE (ACUTE HEALTH-YES. DELAYED (CHRONIC) HEALTH-NO. SUDDEN RELEASE OF PRESSURE-YES. REACTIVE-

NO. FIRE-NO. SARA TITKE III, SECTION 302:

THIS PRODUCT DOES NOT CONTAIN A NY CHEMICALS CURRENTLY ON THE EXTREMELY HAZARDOS SUBSTANCE LIST, SECTION ARA TITLE III, SECTION 313: THIS PRODCOT CONTAINS 1,1,2-TRIFLUOROMETHANE WHICH IS LISTED ON THE TOXIC CHEMICAL LIST, SECTION 313 . SECTION I-INGREDIENTS FOR PERCENT COMPOSITION.

Federal Regulatory Information: TSCA INVENTORY STATUS: ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

State Regulatory Information: CAL

IFORNIA PROPOSITION 65: THIS PRODUCT

DOES NOT CONTAIN ANY CHEMICALS CURRENTLY ON THE CALIFORNIA LIST OF KNOWN CARCINOGENS AND REPRODUCTIVE TOXINS. PENNSYLVANIA RIGHT-TO-KNOWN: THE INGREDIENTS OF TH IS PRODUCT ARE PROVIDED IN SECTION I. THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS, ENVIRONMENTAL HAZARDOUS OR SPECIAL HAZARDOUS SUBSTANCES IN QUANTITIES GREATER THAN THE THRESHOLD LEVELS QUANLIFIED IN PA CODE 34, SECTION 323.

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===== Other Information =====
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particular situation.