

MALTER INTERNATIONAL BULK CHEMICAL DIVISION -- FLUX REMOVER -- 6850-00-419-5004

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

Product ID:FLUX REMOVER

MSDS Date:04/01/1989

FSC:6850

NIIN:00-419-5004

MSDS Number: BJRNM

=== Responsible Party ===

Company Name:MALTER INTERNATIONAL BULK CHEMICAL DIVISION

Address:80 FIRST STREET

City:N/KTNA

State:LA

ZIP:70053

Country:US

Info Phone Num:504-362-3232 OR 800-535-4095

Emergency Phone Num:504-362-3232

CAGE:27978

=== Contractor Identif

ication ===

Company Name:MALTER INTERNATIONAL BULK CHEMICAL DIVISION

Address:80 FIRST STREET

Box:City:GRETN

State:LA

ZIP:70053

Country:US

Phone:504-362-3232, OR 800-535-4095

CAGE:27978

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

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 50.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical

Ingred Name:METHYLENE CHLORIDE (SARA III)
CAS:75-09-2
RTECS #:PA8050000
Fraction by Wt: 50.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:500 PPM/C,1000; Z2
ACGIH TLV:50 PPM, A2; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN
IRRITATION. INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION AND
NARCOSIS. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS
AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. CHRONIC:
IRRITATION AND DERMATITIS.CARBOXYHEMOGLOBIN LEVEL MAY BE ELEVATED.
Explanation of Carcinogenicity:LISTED AS A SUSPECTED CARCINOGEN BY
IARC. (2B)
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
Medical Cond Aggravated by Exposure:METHYLENE CHLORIDE IS METABOLIZED
BY THE BODY TO CARBON MONOXIDE. THIS CAN BE SUFFICIENT TO PRODUCE A
SUBSTANTIAL STRESS ON THE CARDIOVASCULAR SYSTEM BY ELEVATED LEVELS
OF CARBOXYHEMOGLOBIN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR.
IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE:
FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET
MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH
SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE
MILK OR WATER TO DRINK ONLY IF CONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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

Flash Point:NONE
Extinguishing Media:USE WATER FOG.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE

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HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS.
LARGE SPILLS: EVACUATE AREA. WEAR NIOSH APPROVED RESPIRATOR.
VENTILATE AREA. DIKE TO RETAIN FLUID.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED
LOCATION, AWAY FROM ANY AREA WHERE T
HE FIRE HAZARD MAY BE ACUTE.
KEEP CONTAINERS CLOSED WHEN NOT IN USE.
Other Precautions:USE AS DIRECTED.

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

Respiratory Protection:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED
RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED
BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM. LONG-TERM
OVEREXPOSURE MAY CAUSE LIVER/KIDN EY DAMAGE.
Ventilation:GENERAL OR LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS
BELO
W 50% OF TLV.
Protective Gloves:NEOPRENE, PVA GLOVES RECOMMENDED.
Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD.
Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE
EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.
Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING,
SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST.
Supplemental Safety and Health
TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES.

===== Physical/Chemical Prop erties =====

HCC:V2
Boiling Pt:B.P. Text:104F,40C
Melt/Freeze Pt:M.P/F.P Text:100F,38C
Vapor Pres:4.5
Vapor Density:3.20
Spec Gravity:1.439
Evaporation Rate & Reference:1.2(ETHER=1)
Solubility in Water:11/1.00G
Appearance and Odor:COLORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES
REACTIVE METALS,AL,BA,LI,NA,K,MG
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

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azardous Decomposition Products:WHEN INVOLVED IN FIRE, EMITS HIGHLY
TOXIC AND IRRITATING HYDROGEN CHLORIDE AND PHOSGENE
FUMES,CHLORINE,CARBONYL HALIDES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE
AND FEDERAL REGULATIONS.

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