

MILLER-STEPHENSON CHEMICAL -- MS-190 FLUX REMOVER -- 3439-00-419-5004

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Product Identification
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Product ID:MS-190 FLUX REMOVER

MSDS Date:01/01/1987

FSC:3439

NIIN:00-419-5004

MSDS Number: BDYKX

=== Responsible Party ===

Company Name:MILLER-STEPHENSON CHEMICAL

Address:GEORGE WASHINGTON HWY

City:DANBURY

State:CO

ZIP:06810

Country:US

Info Phone Num:(203) 797-2212

Emergency Phone Num:(203) 7

97-2212

Preparer's Name:JANET STEPHENS

CAGE:18598

=== Contractor Identification ===

Company Name:MILLER-STEPHENSON CHEMICAL CO INC

Address:55 BACKUS AVE/GEORGE WASHINGTON HWY

Box:950

City:DANBURY

State:CT

ZIP:06810

Country:US

Phone:203-743-4447

CAGE:18598

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Composition/Information on Ingredients
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Ingred Name:METHYLENE CHLORIDE (SARA III)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 40%

Other REC Limits:A2 CARCINOGEN

OSHA PEL:500 PPM/C,1000; Z2

ACGIH TLV:50 PPM, A2;

9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

CAS:76-13-1
RTECS #:KJ4000000
Fraction by Wt: 40%
Other REC Limits:1000 PPM
OSHA PEL:1000PPM/1250STEL
ACGIH TLV:1000PPM/1250STEL9192
Ozone Depleting Chemical:1

Ingred Name:DICHLORODIFLUOROMETHANE, FREON 12

CAS:75-71-8
RTECS #:PA8275000
Fraction by Wt: 20%
Other REC Limits:1000 PPM
OSHA PEL:4950 MG/CUM
ACGIH TLV:4950 MG/CUM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone
Depleting Chemical:1

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

LD50 LC50 Mixture:ORAL RATS LD50 = 5,000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: CAUSE SUFFOCATION BY
REDUCING OXYGEN AVAILABLE FOR BREATHING, LIGHT HEADEDNESS,
GIDDINESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREGULARITIES,
UNCONSCIOUSNESS/DEATH. SKIN: IRRITANT, EFFECTS
OF SYSTEMIC
TOXICITY. EYE: IRRITATION.
Explanation of Carcinogenicity:METHYLENE CHLORIDE IS CONSIDERED TO BE
AN A2 CARCINOGEN.
Effects of Overexposure:METHYLENE CHLORIDE IS METABOLIZED TO CO2,
RAISING THE CARBOXY HEMOGLOBIN CONC. IN THE BLOOD W/RESULTING
SYMPTOMS OF CO POISONING. IN SCREENING TESTS W/EXPERIMENTAL
ANIMALS, EXPOSURE AT APPROXIMATELY 5 ,000 PPM & ABOVE, FOLLOWED BY
A LARGE INTRAVENOUS EPINEPHRINE CHALLENGE HAS INDUCED SERIOUS
CARDIAC IRREGULARITIES.

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First Aid Measures
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First Aid:INHALATION: REMOVE TO FRESH AIR, CALL PHYS. IF BRETHING IS DIFFICULT, GIVE OXYGEN. DON'T GIVE EPINEPHRINE OR SIMILAR DRUGS.
EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. CALL PHYS.
SKIN: FLUSH W /WATER. GET MED ATT. INGESTION: DON'T INDUCE VOMITING AS THE HAZARD OF ASPIRATION INTO THE LUNGS IS A GREATER HAZARD THAN ALLOWING IT TO PROGRESS THROUGH THE INTESTINAL TRACT. GIVE 2 GLASSES OF WAT
ER.

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Fire Fighting Measures
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Flash Point:NONFLAMMABLE
Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS MAY BE REQUIRED IF AEROSOLS RUPTURE/CONTENTS ARE SPILLED UNDER FIRE CONDITIONS.
Unusual Fire/Explosion Hazard:PRESSURIZED AEROSOL CONTAINERS AT ELEVATED TEMP MAY VENT, RUPTURE/BURN/ADD TO FLYING/FALLING DEBRIS. VAPOR IS HEAVIER THAN AIR.

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Accidental Release Measures
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Spill Release Pr
ocedures:VENTILATE AREA. REMOVE OPEN FLAMES OR RED HOT SURFACES. ALLOW TO EVAPORATE.

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Handling and Storage
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Handling and Storage Precautions:DON'T STORE NEAR SOURCES OF HEAT, DIRECT SUNGLIGHT OR WHERE TEMPERATURES EXCEEDS 120F. DON'T PUNCTURE OR DAMAGE CONTAINERS.
Other Precautions:DON'T SPRAY LIQUID ON SKIN.

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Exposure Controls/Personal Protection
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Respiratory Protection:NO RESPIRATORY PROTECTION IS REQUIRED
Ventilation:LOCAL EXHAUST: LARGE AMOUNTS ARE RELEASED. MECHANICAL: SHOULD BE USED IN LOW PLACES.
Protective Gloves:RUBBER
Eye Protection:GOGGLES
Supplemental Safety and Health

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Physical/Chemical Properties
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HCC:V3
Boiling Pt:B.P. Text:97.9F
Vapor Pres:500
Vapor Density:1.42
pH:NEUTRL
Evaporation Rate & Reference:(ETHER = 1): 1
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR, LIQUID, COLORLESS; SOLVENT ODOR.
Percent Volatiles by Volume:100

%

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

Stability Indicator/Materials to Avoid: YES

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

Stability Condition to Avoid: DON'T HEAT AEROSOL >120F. OPEN FLAMES, HOT SURFACES, DIRECT SUNLIGHT.

Hazardous Decomposition Products: HYDROCHLORIC/HYDROFLUORIC ACIDS, POSSIBLE CARBONYL HALIDES.

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

Waste Disposal Methods: DON'T PUNCTURE OR INCINERATE AEROSOLS CANS.

DISPOSE SERVICE TO LANDFILL IS APPROPRIATE. GREEN NON FLAMMABLE GAS.

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