

MILLER-STEPHENSON CHEMICAL -- MS-111 STRIPPING AGENT

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MSDS Safety Information
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FSC: 8010
MSDS Date: 08/01/1998
MSDS Num: CJBHD
LIIN: 00N000837
Product ID: MS-111 STRIPPING AGENT
MFN: 03
Responsible Party
Cage: 18598
Name: MILLER-STEPHENSON CHEMICAL
Address: GEORGE WASHINGTON HIGHWAY
City: DANBURY CT 06810
Info Phone Number: 203-743-4447
Emergency Phone Number: 203-797-2212:800-424-9300 (CHEMTREC)
Preparer's Name: JOANNA SAFFO
Published: Y

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Contractor Summary
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Cage: 18598
Name: MILLER-STEPHENSON CHEMICAL CO INC
Address: 55 BACKUS AVE/GEORGE WASHINGTON HWY
Box: 950
City: DANBURY CT 06810
Phone: 203-743-4447

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Ingredients
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Cas: 75-09-2
RTECS #: PA8050000
Name: METHYLENE CHLORIDE (SARA 313) (CERCLA)
% Wt: >50
OSHA PEL: 500 PPM; Z-2
ACGIH TLV: 50 PPM, A2; 9495
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 108-95-2
RTECS #: SJ3327000
Name: PHENOL (SARA 302/313) (CERCLA)
% Wt: <20
OSHA PEL: S, 5 PPM
ACGIH TLV: S, 5 PPM; 9495
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 64-18-6
RTECS #: LQ4900000
Name: FORMIC ACID (SARA 313) (CERCLA)
% Wt: <15
OSHA PEL: 5 PPM
ACGIH TLV: 5 PPM/10 STEL; 9495
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: YES

IARC: YES

OSHA: NO

Effects of Exposure: CHLOROCARBON MATLS HAVE PRODUCED SENSITIZATION OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE A SIMILAR EFT IN HUMANS. ADRENOMIMETICS (EG, EPINEPHRINE) MAY BE CONTRA-INDICATED EXCEPT FOR

LIF E-SUSTAINING USES IN HUMANS ACUTELY/CHRONICALLY EXPOSED TO CHLOROCARBONS

(FP N). INHAL: VAPS ARE IRRIT (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: METHYLENE CHLORIDE: IARC MONOGRAPHS SUPPLEMENT,

VOL 7, PG 194, 1987: GROUP 2B. NTP 7TH ANNUAL REPORT ON CARCN, 1994:

ANTICIPATED TO BE CARCIN. ANIMAL: LUNG, LIVER, SALIVARY, MAMMARY GLAND (TUMORS).

Signs And Symptions Of Overexposure: HLTH HAZ: & MAY CAUSE NAUS, DIZZ/SUFFOCATION. EXPOS IN AN ENCLOSED AREA MAY BE VERY HARMFUL.

SKIN: CNTCT

WILL CAUSE BURNS TO SKIN. EYE: CNTCT WILL CAUSE EXTREME & PRLNGD IRRIT & BURNS. INGEST: POISONO US; MAY BE FATAL. STATE OF CA HAS LISTED

METHYLENE CHLORIDE UNDER PROPOSITION 65 AS A CHEM KNOWN TO THE STATE OF CA TO

CAUSE CANCER.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHAL: REMOVE TO FRESH AIR, CALL A MD. IF NOT BRTHG, GIVE ARTF RESP,

PREFERABLY MOUTH-TO-MOUTH. IF BRTHG IS DFCLT, GIVE OXYGEN. EYE: FLUSH W/COPIOUS AMTS OF H*2O FOR AT LEAST 15 MIN & IMMED CONSULT A MD.

SKIN:

FLUSH W/COPIOUS AMTS OF H*2O & APPLY A WET DRESSING OF 5% SOLUTION OF SODIUM THIOSULFATE. TREAT AS ACID BURNS & FOLLOW MED ADVICE. INGEST:

IT

IS FATAL RINSE MOUTH W/LRG AMTS OF WATER & GET I MMEDIATE MEDICAL HELP.

NOTE TO PHYSICIAN: KEEP VICTIM QUIET & MAINTAIN NORMAL BODY TEMP.

APPLY

FIRST AID ACCORDING TO THE NATURE OF THE INJURY.

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Handling and Disposal
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Spill Release Procedures: SMALL LIQUID SPILL-VENT AREA, REMOVE FLAMES & RED

HOT SURFACES, & ALLOW TO EVAPORATE. NEUTRALIZE RESIDUE WITH 5% SODA SOLUTION & REMOVE TO CONTAINERS FOR DISPOSAL. FLUSH AREA W/LARGE AMTS OF

WATER. LA RGE SPILLS-DIKE FAR AHEAD OF SPILL FOR LATER DISP.

Neutralizing Agent: 5% SODA SOLUTION.

Waste Disposal Methods: IN CONTAINERS TO LANDFILL; COMPLY WITH FEDERAL, STATE

AND LOCAL REGULATIONS. CONSULT LOCAL WASTE DISPOSAL CONTRACTOR.

Handling And Storage Precautions: STORE AT ROOM TEMPERATURE. DO NOT STORE NEAR

HEAT IN DIRECT SUNLIGHT WHERE TEMPERATURES EXCEED 49C/120F. ROTATE STOCK TO

SHELF LIFE OF SIX MONTHS.

Other Precautions: NO SMOKING IN AREA/USE. DO NOT USE IN GEN VICINITY OF ARC

WELDING, OPEN FLAMES/HOT SURFACES. HEAT &/UV RADIATION MAY CAUSE FORMATION OF HCL &/PHOSGENE (FP N). OPEN CNTNRS CAREFULLY & ONLY WHEN COOLED TO ROOM TEMP. DO NOT MIX W/OTHER SOLVS.

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Fire and Explosion Hazard Information
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Flash Point Method: TOC

Flash Point Text: 104F,40C

Extinguishing Media: CARBON DIOXIDE OR FOAM.

Fire Fighting Procedures: WEAR NIOSH APPROVED PRESSURE DEMAND SCBA AND FULL

PROTECTIVE EQUIPMENT (FP N). STAY UPWIND; KEEP OUT OF LOW AREAS.

Unusual Fire/Explosion Hazard: CONTAINERS MAY RUPTURE UNDER FIRE CONDITIONS.

HIGH TEMPERATURE GENERATES SOME HCL AND LITTLE PHOSGENE. MOST OF THE VAPORS

ARE HEAVIER THAN AIR.

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Control Measures
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Respiratory Protection: UNDER CONDITIONS OF LOW VENTILATION AND A NIOSH APPROVED INDEPENDANT AIR SUPPLY, CARBON CANISTER OR A NIOSH APPROVED ORGANIC

VAPOR RESPIRATOR IS REQUIRED.

Ventilation: ADEQUATE VENT IS RECOMMENDED, SUCH AS FORCED AIR LOCAL EXHAUST

W/MECHANICAL VENT IN LOW PLACE. VAPS CONC IN LOW AREAS.

Protective Gloves: PROTECTIVE VITON, ACID RESISTANT GLOVES.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS AND FULL LENGTH FACESHIELD (FP N).

Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI

DESIGN CRITERIA (FP N).

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties
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B.P. Text: 104F,40C

Vapor Pres: 340 @ 68F

Vapor Density: 2.93 @ 68F

PH: 1.5

Evaporation Rate & Reference: 0.07 (BU-AC = 1)

Solubility in Water: APPROX. 14%

Appearance and Odor: CLEAR TO LIGHT PINK VOLATILE LIQUID; SHARP ACID ODOR.

Percent Volatiles by Volume: 83

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: AVOID OPEN FLAMES OR HIGH TEMPERATURES.
Materials To Avoid: ALL ALKALINE MATERIALS. IT MAY DARKEN STAINLESS
STEEL AND

ALUMINUM.

Hazardous Decomposition Products: CAN BE DECOMPOSED BY HIGH
TEMPERATURES (OPEN

FLAMES, GLOWING SURFACES, ETC.) FORMING HCL AND PHOSGENE IN SMALL
AMOUNTS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT.

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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HAZCOM Label
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Product ID: MS-111 STRIPPING AGENT

Cage: 18598

Company Name: MILLER-STEPHENSON CHEMICAL CO INC

Street: 55 BACKUS AVE/GEORGE WASHINGTON HWY

PO Box: 950

City: DANBURY CT

Zipcode: 06810

Health Emergency Phone: 203-797-2212:800-424-9300 (CHEMTREC)

Label Required IND: Y

Date Of Label Review: 11/09/1998

Status Code: C

Label Date: 11/09/1998

Origination

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Severe

Fire Hazard: Moderate

Reactivity Hazard: Slight

Hazard And Precautions: COMBUSTIBLE. DECOMPOSITION PRODUCTS MAY BE
HAZARDS.

ACUTE: INHALATION OF VAPORS MAY CONTRIBUTE TO THE OCCURRENCE OF
IRREGULAR

HEARTBEAT (FP N). INHALATION: VAPORS ARE IRRITATING AND MAY CAUSE
NAUSEA,

DIZZINESS OR SUFFOCATION. EXPOSURE IN AN ENCLOSED AREA MAY BE VERY HARMFUL.

SKIN: CONTACT WILL CAUSE BURNS TO SKIN. EYE: CONTACT WILL CAUSE EXTREME AND

PROLONGED IRRITATION AND BURNS. INGESTION: POISONOUS; MAY BE FATAL. CHRONIC:

CANCER HAZARD. CONTAINS METHYLENE CHLORIDE WHICH IS LISTED AS AN ANIMAL LUNG,

LIVER, SALIVARY, MAMMARY GLAND CARCINOGEN (FP N).

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