



Chemical Name: Silicone Conformal Coating

Manufacturer: Miller-Stephenson

Container Size: 14 oz.

Location: VLA

Disposal: Place empty container in trash. Give partial or full container to safety officer.

MILLER-STEPHENSON CHEMICAL CO INC -- MS-460 CONFORMAL COATING -- 8010-00N006027

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

Product ID:MS-460 CONFORMAL COATING
MSDS Date:01/01/1989
FSC:8010
NIIN:00N006027
MSDS Number: BZPTH
=== Responsible Party ===
Company Name:MILLER-STEPHENSON CHEMICAL CO INC
Address:GEORGE WASHINGTON HWY
City:DANBURY
State:CT
ZIP:06810
Country:US
Info Phone Num:203-797-2212
Emergency Phone Num:800-424-9300 (CHEMTREC)
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 =====

Ingred Name:METHOXYSILANE
Fraction by Wt: <1%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:TOLUENE (SARA 313) (CERCLA)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 1.5%
OSHA PEL:200 PPM; Z-2
ACGIH TLV:50 PPM, S
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MINERAL SPIRITS
CAS:64475-85-0
RTECS #:PY8240000
Fraction by Wt: 4%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:METHANE, TRICHLOROFLUORO-; (TRICHLOROFLUOROMETHANE)
(CFC-11) (SARA 313) (CERCLA)

CAS:75-69-4
RTECS #:PB6125000
Fraction by Wt: 64%
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM, C
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

Ingred Name:METHANE, DICHLORODIFLUORO-; (DICHLORODIFLUOROMETHANE) (SARA 313) (CERCLA)

CAS:75-71-8
RTECS #:PA8200000
Fraction by Wt: 24%
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

Ingred Name:OTHER PRECS: HYDROLYSIS OF RESINS MAY LIBERATE SLIGHT AMTS OF METHANOL. PROVIDE ADEQUATE VENT.

RTECS #:9999999ZZ

Ingred Name:VENT: SHOULD BE USED IN LOW PLACES.

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:VAP IS HVR/AIR & CAN CAUSE SUFFOCATION BY REDUCING OXYGEN AVAIL FOR BRTHG. BRTHG HIGH CONCS OF VAP MAY CAUSE LT HD, GIDD, SHORTNESS OF BREATH & MAY LEAD TO NARCOSIS, CARD IRREGS, UNCON/DEATH. SK IN: EXCESS CONT MAY CAUSE IRRIT & DERM.EYE: CONT MAY CAUSE IRRIT. EYE:CONT MAY CAUSE IRRIT. INGEST: (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HLTH HAZ: PROD HAS LOW ORDER OF ACUTE ORAL TOX, BUT MINUTE AMTS ASPIR INTO LUNGS DURING INGEST MAY CAUSE SEV PULM INJURY/DEATH. CHLOROCARBONS & CFC MATLS HAVE PRDCED SENSIT OF MYOCARDIUM TO EPINEPHRIN E IN LAB ANIMALS & COULD HAVE A SIMILAREFT IN HUMANS. ADRENOMIMETICS (E.G., EPINEPHRINE) MAY BE CONTRAINDICATED(SUPDAT)

Medical Cond Aggravated by Exposure:SKIN DISEASE: CAN DISSOLVE NATURAL OIL OF SKIN, DERMATITIS MAY BE EXPECTED TO RESULT FROM RPTD CONTACT. PERS W/PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO EFT OF THE AGENT.

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

First Aid:INHAL: MOVE PATIENT TO FRESH AIR. IF NEC, GIVE ARTF RESP/O*2. DO NOT GIVE EPINEPHRINE/SIMILAR DRUGS AS SUCH DRUGS MAY INDUCE VENTRICULAR ARRHYTHMIA. EYE: IMMED FLUSH W/WATER & CALL MD. SKIN: FLUSH W/S OAP & WATER. INGEST: GET IMMED MED ATTN. DO NOT INDUCE VOMITING. NOTE TO MD: BECAUSE OF POSS INCREASED RISK OF ELICITING

CARDIAC DYSRHYTHMIAS, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE
SHOULD (SUPDAT)

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

Flash Point Method:TOC
Flash Point:385F,196C
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:CO*2, FOAM, WATER SPRAY, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD PRESS DEMAND SCBA &
FULL PROT EQUIP MAY BE REQUIRED IF AEROSOLS RUPTURE AND CONTENTS
ARE SPILLED UNDER FIRE CONDITIONS.
Unusual Fire/Explosion Hazard:PRESS AEROSOL CNTNRS AT ELEV TEMPS MAY
VENT, RUPTURE/BURST & ADD TO FLYING & FALLING DEBRIS. INTENSE HEAT
MAY CAUSE DECOMP W/EMISSION OF HALOGEN ACIDS.(SUPDAT)

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

Spill Release Procedures:VENT AREA. DIKE SPILL. COLLECT ON ABSORB MATL
& TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISP. USE PROPER PROT
EQUIP. WASH HANDS W/SOAP & WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE NEAR SOURCES OF HEAT, IN
DIRECT SUNLIGHT/WHERE TEMP EXCEEDS 49C/120F. DO NOT PUNCTURE/DMG
CNTNRS. ROTATE STOCK TO SHELF LIFE TO 1 YEAR.
Other Precautions:NO SMOKING IN AREA OF USE. DO NOT USE IN THE GENERAL
VICINITY OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT &/UV
RADIATION MAY CAUSE THE FORMATION OF HCL &/PHOSGENE. DO NOT SPRAY
LIQ ON HAND S/DIRECT SPRAY TO EYES. CURE (ING 6)

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

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS NO
RESPIRATORY PROT IS REQD WHEN USING THIS PROD, BUT IF NEEDED, USE
NIOSH/MSHA APPRVD ORGANIC VAPOR TYPE.
Ventilation:NORM VENT FOR STD MFG PROCS IS GENERALLY ADEQ. LOC EXHST
SHOULD BE USED WHEN LGE AMTS ARE RELEASED. MECH VENT (ING 7)
Protective Gloves:NEOPRENE/RUBBER GLOVES.
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS.
Other Protective Equipment:EMERGENCY EYEWASH & DELUGE SHOWER MEETING
ANSI DESIGN CRITERIA.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
EXPLO HAZ:THERM DECOMP PRODS MAY INCL HCL & PHOSGENE. HAZ DECOMP:CARBON
MONOXIDE, SO*2, SILICON HALOGENIDES. HCL, PHOSGENE. EFTS OF
OVEREXP:EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTE/ CHRONIC
EXPOSED TO CHLOROCARBON/CFC'S. FIRST AID PROC:BE CONSIDERED ONLY AS
LAST RESORT IN LIFE THREATENNG EMERS.

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

Boiling Pt:B.P. Text:290F,143C
Vapor Pres:640 @ 68F

Vapor Density:4.3 @ 68F
Spec Gravity:0.9
pH:NEUT
Evaporation Rate & Reference:<1 (ETHER=1)
Solubility in Water:<0.1%
Appearance and Odor:VISCIOUS LIQUID COLORLESS TO FAINT YELLOW W/SOLVENT
ODOR.
Percent Volatiles by Volume:89.9

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

Stability Indicator/Materials to Avoid:YES
FINELY DIVIDED REACTIVE METALS AND OXIDIZING MATERIALS.
Stability Condition to Avoid:AVOID SPRAYING NEAR OPEN FLAMES OR RED HOT
COILS.
Hazardous Decomposition Products:CAN BE DECOMP BY HIGH TEMPS (OPEN
FLAMES, GLOWING SURFS, ETC.) FORMING HALOGEN ACIDS, PHOSGENE IN
SMALLER AMTS. (SUPDAT)

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

Waste Disposal Methods:DISPOSAL SERVICE TO LANDFILL IS APPROPRIATE.
COMPLY W/FEDERAL, STATE & LOCAL REGULATIONS. DO NOT PUNCTURE OF
INCINRATE AEROSOL CANS.

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