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MILLER-STEPHENSON CHEMICAL CO INC. -- MS-190HD/CO2 HEAVY DUTY FLUX REMOVER -- 6850-00-602-2347

Product ID:MS-190HD/CO2 HEAVY DUTY FLUX REMOVER MSDS Date:03/01/1991 FSC:6850 NIIN:00-602-2347 **MSDS Number: BQDLJ** === Responsible Party === Company Name: MILLER-STEPHENSON CHEMICAL CO INC. Address: GEORGE WASHINGTON HIGHWAY Box:950 City:DANBURY State:CT ZIP:06810 Country :US Info Phone Num:203-743-4447 Emergency Phone Num:203-797-2212 OR 203-743-4447 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

Ingred Name:METHYLENE CHLORIDE (SARA III) CAS:75-09-2 RTECS #:PA8050000 Fraction by Wt: 40-45% Other

REC Limits:NONE SPECIFIED OSHA PEL:500 PPM/C,1000; Z2 ACGIH TLV:50 PPM, A2; 9293 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: 50-56% Other REC Limits:NONE SPECIFIED OSHA PEL:1000PPM/1250STEL ACGIH TLV:1000PPM/1250STEL9293 **Ozone Depleting Chemical:1** Ingred Name:CARBON DIOXIDE CAS:124-38-9 RTECS #:FF6400000 Fraction by Wt: 2-4% Other REC Limits:NONE RECOMMENDED OSHA PEL:5000 PPM ACGIH TLV:5000PPM/30000STEL;93

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN AND
RESPIRATORY TRACT;CAUSES
SUFFOCATION,HEADACHE,GIDDINESS,NARCOSIS,CARDIAC
IRREGULARITIES;METHYLENE CHLORIDE IS METABOLIZED TO CO,RAISING
THE/CARBOXY HEMOGLOBIN=CARBONM ONOXIDE:DRYING OF
SKIN,DERMA
TITIS;SYSTEMIC EFFECTS.
Explanation of Carcinogenicity:NTP LISTS METHYLENE CHLORIDE AS A KNOWN
CARCINOGEN. THIS IS ONE COMPONENT OF THE MIXTURE.
Effects of Overexposure:SUFFOCATION,LI-HEAD,GIDD,SHORTNESS/BREATH,
NAR,CARD IRREG,UNCONSCIOUSNESS OR DEATH. CO POISONING.
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN.

First Aid:INHAL:RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR; IF BRTHNG DIF

F GIVE OXYGEN. EYE:IMMED FLUSH W/PLENTY OF WATER. SKIN: WASH W/SOAP & WATER. RMV CONTAM CLTHG & SHOES. INGEST:DO NOT INDUCE VOMIT. NOTHG BY MOUTH IF UNCONSC. GET MEDICAL ATTN.

Flash Point Method:TOC Flash Point:NONE Lower Limits:NONFLAMMABLE Upper Limits:NONFLAMMABLE Extinguishing Media: USE MEDIA SUITABLE FOR SURROUNDING FIRE Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE. Unusual Fire/Explosion Hazard: MAY VENT, RUPTURE, BURST AT ELEVATED TEMPERATURES. HIGH HEAT CAUSES DECOMPOSITION-EMISSION OF HALOGENS Spill Release Procedures: VENTILATE AREA. REMOVE OPEN FLAMES OR RED HOT SURFACES. ALLOW TO EVAPORATE. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER. ======================= Handling and Handling and Storage Precautions: DO NOT STORE NEAR SOURCES OF HEAT, IN DIRECT SUNLIGHT OR WHERE TEMPERATURE EXCEEDS 120F. Other Precautions: DO NOT SPRAY LIQUID ON SKIN. DO NOT PUNCTURE OR DAMAGE CONTAINERS. ROTATE STOCK TO SHELF LIFE OF ONE YEAR. Respiratory Protection: NONE NORMALLY REQUIRED. SCBA FOR LG AMTS. Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV. Protective Gloves: RUBBER Eye Pr otection:SAFETY GLASSES OR GOGGLES Other Protective Equipment:NORMAL WORK CLOTHING COVERING ARMS & LEGS. Work Hygienic Practices: USE NORMAL CHEMICAL HYGIENE PRACTICE. DO NOT USE IN ENCLOSED AREA; ASPHYRIATION HAZARD Supplemental Safety and Health HCC:V2 Boiling Pt:=36.5C, 97.6F Vapor Pres:500 MM HG Vapor Density:4.9(AIR=1) Spec Gravity:1.42 (WATER=1)

pH:7.0

Evaporation Rate & amp; Reference:0.3 (CCL4=1)

Solubility in Water

:NEGLIGIBLE Appearance and Odor:CLEAR, COLORLESS LIQUID WITH SOLVENT ODOR Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES ALKALI OR ALKALINE EARTH METALS-POWDERED AL,ZN,BE, ETC. Stability Condition to Avoid:SPRAYING NEAR OPEN FLAMES OR RED HOT SURFACES.

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

====== Disposal Considerations

Waste Disposal Methods: ALLOW TO EVAPORATE. DO NOT PUNCTURE OR INCINERATE AEROSOL CANS. DISPOSAL SERVICE TO LANDFILL IS APPROPRIATE.

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