

MILLER-STEPHENSON CHEMICAL CO -- MS-171/CO2 CONNECTOR PLUS -- 6850-00N022773

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Product Identification
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Product ID:MS-171/CO2 CONNECTOR PLUS
MSDS Date:11/01/1989
FSC:6850
NIIN:00N022773
MSDS Number: BPYPR
=== Responsible Party ===
Company Name:MILLER-STEPHENSON CHEMICAL CO
Address:GEORGE WASHINGTON HIGHWAY
City:DANBURY
State:CT
ZIP:06810
Country:US
Info Phone Num:203-743-4447
Emergency Phone Num:203-743-4447;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
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Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)
CAS:71-55-6
RTECS #:KJ2975000
Fraction by Wt: 96%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:350 PPM

ACGIH TLV:350 PPM/450STEL;9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 3%

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:FIRST AID PROC: MD. SKIN: FLUSH W/SOAP & WATER FOR AT LEAST
15 MIN, WHILE REMOVING CONTAM CLTHG & SHOES. IF IRRIT(ING 4)

RTECS #:9999999ZZ

Ingred Name:ING 3: OCCURS, CALL MD. THORO CLEAN CONTAM CLTHG & SHOES
BEFORE REUSE/DISCARD. INGEST: IF CONSCIOUS, DRINK LRG (ING 5)

RTECS #:9999999ZZ

Ingred Name:ING 4: QTYS OF WATER. DO NOT INDUCE VOMITING. TAKE IMMED TO
A HOSPITAL. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH (ING 6)

RTECS #:9999999ZZ

Ingred Name:ING 5: TO AN UNCONSCIOUS PERSON.

RTECS #:9999999ZZ

Ingred Name:SUPP DATA: ACUTELY OR CHRONICALLY EXPOSED TO CHLOROCARBONS

RTECS #:9999999ZZ

Ingred Name:OTHER PREC: AREA OF USE. DO NOT USE IN GENERAL VICINITY OF
ARC WELDING, OPEN FLAMES OR HOT SURF. HEAT AND/OR UV (ING 9)

RTECS #:9999999ZZ

Ingred Name:ING 8: RADIATION MAY CAUSE THE FORMATION OF HCL AND/OR
PHOSGENE .
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:EXCESS INHAL OF CONC VAP CAN
CAUSE DIZZ, HDCH, NARCOSIS, ANESTH, SUFFOCATION, CIRCULATORY SYS
DEPRESS, POSS CNS DMG & EVEN DEATH IN CONFINED/POORLY VENT
AREAS.FATALITIES FOLLOWING SEVERE ACUTE E XPOS TO VARIOUS
CHLORINATED SOLV HAVE BEEN ATTRIBUTED TO VENTICULAR FIBRILLATION.
SKIN: PRLNG/ (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ: RPTD CONT W/LIQ ON SKIN CAN CAUSE
IRRIT & DERMAT. EYE: CONT WILL CAUSE EXTREME IRRIT. INGEST: IRRIT
OF MOUTH & GI TRACT W/OTHER EFTS LISTED FOR INHAL. VOMIT &
SUBSEQUENT ASPIR IN LUNGS MAY L EAD TO CHEM PNEUM & PULM EDEMA
WHICH ISA POTENTIALLY FATAL CONDITION. CHLOROCARBON MATLS HAVE
PRODUCED (SUPP DATA)
Medical Cond Aggravated by Exposure:9CARDIOVASCULAR DISEASE: SEE
PRINCIPAL HAZARDS: INHALATION SECTION.

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

First Aid:INHAL:EXCESS VAP INHAL: MOVE PATIENT TO FRESH AIR.IF NEC,
GIVE ARTF RESP/OXYGEN.DO NOT GIVE EPINEPHRINE/SIMILAR DRUGS AS SUCH
DRUGS MAY INDUCE VENTRICULAR ARRYTHMIA.PYROLIZED FUMES INHAL:NORMAL
RECOVE RY OCCURS WITHIN 1-2 DAYS.NOTE TO MD:DONOT ADMINISTER
ADRENALIN/SIMILAR DRUGS.SUCH DRUGS MAY INDUCE VENTRICULAR
ARRYTHMIA.EYE:FLUSH WITH WATER FOR AT LEAST 15 MIN.IF IRRIT
OCCURS,CONSULT (SUPP DATA)

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

Flash Point Method:TOC

Flash Point:NONE

Lower Limits:8%

Upper Limits:15%

Extinguishing Media:WATER, DRY CHEMICALS, OR CO*2.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:PRESSURIZED AEROSOL CNTNRS AT ELEVATED TEMPS MAY VENT, RUPTURE/BURST & ADD TO FLYING & FALLING DEBRIS. INTENSE HEAT MAY CAUSE DECOMP W/EMISSION OF (SUPP DATA)

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

Spill Release Procedures:EVAC & VENT AREA. REMOVE POSS IGNIT SOURCES. ONLY PERS EQUIPPED W/PROPER RESP & SKIN/EYE PROT SHOULD BE PERMITTED IN AREA. DIKE SPILL. COLLECT ON ABSORB MATL & TRANSFER TO STEEL DRUMS FOR RECOVERY/DIS P. IF SPILL IS SM, WIPE UP & ALLOW TO EVAP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE NEAR SOURCES OF HEAT, INDIRECT SUNLIGHT, OR WHERE TEMPERATURES EXCEED 49C/120F. ROTATE STOCK TO SHELF LIFE OF ONE YEAR.

Other Precautions:DO NOT SPRAY LIQ ON HANDS/DIRECT SPRAY TO EYES. DO NOT USE IN POORLY VENT/CONFINED AREAS W/O PROPER RESP PROT. VAPS ARE HVR/AIR & WILL COLLECT IN LOW AREAS. LIQ OXYGEN/STRONG OXIDANTS MAY FORM EXPLO M IXT W/ING 1. NO SMOKING IN (ING 8)

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

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS NO RESPIRATORY PROTECTION IS REQUIRED, BUT ADEQ VENT IS REQUIRED TO CONTROL EXPOS BELOW PERMISSIBLE LIMITS. NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSUR E OF CONCERN .

Ventilation:ADEQUATE VENTILATION IS REQUIRED TO CONTROL EXPOSURES BELOW

PERMISSIBLE LIMITS.

Protective Gloves:NEOPRENE, VITON, OR POLYETHYLENE GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PH: 6.0 TO 7.5. EXPLO HAZ: HALOGEN ACIDS. THERMAL DECOMP PRODS MAY INCLUDE HCL & PHOSGENE . EFTS OF OVEREXP: SENSIT OF THE MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE A SIMILAR EFT IN HUMANS. ADRENOMIMETICS (E.G. EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS (ING 7)

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

Boiling Pt:B.P. Text:165F,74C

Vapor Pres:120 @ 68F

Vapor Density:4.54 @ 68F

pH:SUPDAT

Evaporation Rate & Reference:0.13 (CC14=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID WITH ETHEREAL ODOR.

Percent Volatiles by Volume:99

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

Stability Indicator/Materials to Avoid:YES

FINELY DIVIDED REACTIVE METALS AND STRONG CAUSTICS.

Stability Condition to Avoid:AVOID SPRAYING NEAR OPEN FLAMES OR RED HOT SURFACES. DO NOT HEAT AEROSOL CNTNRS ABOVE 49C/120F.

Hazardous Decomposition Products:CAN BE DECOMPOSED BY TEMP (OPEN FLAMES, GLOWING SURF, ETC.) FORMING HALOGEN ACIDS & PHOSGENE IN SM AMTS. HCL .

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. DO NOT

PUNCTURE OR INCINERATE AEROSOL CANS.

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