

MILLER-STEPHENSON CHEMICAL CO INC. -- MS-124/CO2,MS-181N/CO2 CONNECTOR CLEANER PLUS -- 6810-01-367-8095

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

Product ID:MS-124/CO2,MS-181N/CO2 CONNECTOR CLEANER PLUS

MSDS Date:07/01/1993

FSC:6810

NIIN:01-367-8095

MSDS Number: BVZQY

=== 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(CHEMTREC 800-424-9300)

Preparer's Name:JOANNA SAFFIO

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

===== Composition/Information on Ingredients =====

Ingred Name:1,1-DICHLORO-1-FLUOROETHANE

CAS:1717-00-6

RTECS #:KI0997000

Fraction by Wt: 96%

Other REC Limits:NONE RECOMMENDED

Ozone Depleting

Chemical:2

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;94

Ingred Name:POLYPHENYL ETHER
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE; INHALATION MAY CAUSE CNS

EFFECTS/ DEPRESSION, CARDIAC ARRYTHMIAS, ASPHYXIATION. CONTACT WITH EYES MAY CAUSE IRRITATION AND/OR CONJUNCTIVITIS. SKIN CONTACT MAY CAUSE DEFATTING AND/OR IRRITATION. INGESTION MAY CAUSE CNS EFFECTS/DEPRESSION; STOMACH DISCOMFORT. CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALED/INGESTED: DIZZINESS, NAUSEA, LOSS OF CONCENTRATION, HEADACHE. EYES: REDNESS, TEARING, DISCOMFORT. SKIN: DRY SKIN, REDNESS, DISCOMFORT.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGESTED-DO NOT INDUCE VOMITING! CALL A PHYSICIAN.
INHALED-REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. SKIN-FLUSH WITH LOTS OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. EYES-FLUSH WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

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

Flash Point Method:TCC
Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:1022F
Lower Limits:7.4
Upper Limits:15.5
Extinguishing Media:WATER SPRAY, CARBON DIXOIDE OR DRY CHEMICAL.
Fire Fighting Procedures:STOP FLOW OF GAS, DO NOT FIGHT FIRE UNLESS LEAK STOPPED. WEAR SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO PROTECT FIREFIGHTERS

AND COOL CONTAINERS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR. AVOID HIGH TEMPERATURES AND STATIC CHARGES.

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

Spill Release Procedures:VENTILATE AREA. DO NOT FLUSH TO SEWERS. DIKE SPILL. COLLECT ON ABSORB

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE NEAR SOURCES OF HEAT, IN DIRECT

SUNLIGHT OR WHERE TEMPERATURES EXCEED 120F/49C. ROTATE STOCK TO SHELF LIFE OF 1 YEAR.

Other Precautions:ENVIRONMENTALS LISTS WHICH APPLY: EXTREMELY HAZARDOUS SUBSTANCE, CERCLA HAZARDOUS SUBSTANCE, TOXIC CHEMICALS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134

AND

MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE WITH SUFFICIENT VENTILATION TO KEEP EMPLOYEE EXPOSURES BELOW THE RECOMMENDED LIMIT.

Protective Gloves:NEOPRENE OR MYLAR.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS PRESENTED BY CAGE 18598 FOR CONTRACT SP0450-9

5-M6176. ACTION HAS

BEEN INITIATED TO CHANGE FSC TO 6850. NOTE TO PHYSICIANS: BECAUSE OF POTENTIAL CARDIAC ARRHYTHMIAS, CATECHOLAMINE DRUGS (EPINEPHRINE) SHOULD BE CONSIDERED ONLY AS A LAST RESORT IN LIFE THREATENING EMERGENCIES.

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

HCC:V2

Boiling Pt:=32.2C, 90.F

Vapor Pres:517 MM HG

Vapor Density:4

Evaporation Rate & Reference:>1 (CCL4=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LI

QUID IN AEROSOL CAN; SLIGHT
ETHEREAL ODOR.

Percent Volatiles by Volume:99

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS, STRONG ALKALIS, FINELY POWDERED METALS, STRONG
OXIDIZING AGENTS, SOME DISSICANTS.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF USE,
HOWEVER; UNSTABLE AT TEMPERATURES ABOVE 175F AND IF EXPOSED TO
FLAMES.

Hazardous Decomposition Products:HALOGEN FLUORIDE, HYD
ROGEN CHLORIDE,
POSSIBLY CHLORINE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DO NOT PUNCTURE OR INCINERATE CANS. DISPOSE OF
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL
REGULATIONS.

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