MILLER-STEPHENSON CHEMICAL CO INC -- MS-941/CO2 SAFEZONE PRECISION CLEANING SOLVENT -- 6850-01-383-6719

Product ID:MS-941/CO2 SAFEZONE PRECISION CLEANING SOLVENT

MSDS Date:04/01/1993

FSC:6850

NIIN:01-383-6719
MSDS Number: BTHKL
=== Responsible Party ===

Company Name: MILLER-STEPHENSON CHEMICAL CO INC

Address: GEORGE WASHINGTON HWY

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 SAFFO

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: ETHANE, 1,1-DICHLORO-1-FLUORO-

CAS:1717-00-6 RTECS #:KI0997000 Fraction by Wt: 97%

Other REC Limits:500 PPM (MFR)

Ozone Depleting Chem

Ingred Name: CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000 Fraction by Wt: 3%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;94

========= 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 OR INGESTION MAY CAUSE CNS DEPRESSION, CARDIAC ARRYTHMIA, ASPHYXIATION; RESPIRATORY AND GLTR

ACT IRRITATION. CONTACT MAY CAUSE SKIN AND EYE IRRITATION, CONJUNCTIVITIS. 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: HEADACHE, DIZZINESS, NAUSEA, LOSS OF CONCENTRATION, COUGHING, SHORTNESS OF BREATH. EYES: REDNESS, TEARING, STINGING, DISCOMFORT. SKIN: REDNESS, DEFATTING, DISCOMFORT.

Medical Cond Aggrava

ted by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid:INHALED: IMMEDIATELY REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES, HOLD LIDS OPEN. CALL A DOCTOR. SKIN: FLUSH WITH LOTS OF WATER. INGESTED: DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE WATER. GET MEDICAL ATTENTION. NEVER GI

VE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

Flash Point Method:TCC

Flash Point:NONE

Autoignition Temp:=550.C, 1022.F

Lower Limits:7.4 Upper Limits:15.5

Extinguishing Media:WATER SPRAY OR FOG, ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.STOP FLOW OF GAS,DO NOT PUT OUT FIRE UNLESS LEAK CAN BE STOPPED IMMEDIATELY.USE WATER TO COOL FIRE EXPOSED CON

TAINERS. Unusual Fire/Explosion Hazard: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. AVOID HIGH TEMPERATURES AND STATIC CHARGES.
======== Accidental Release Measures ==========
Spill Release Procedures:VENTILATE AREA. DO NOT FLUSH TO SEWER. DIKE SPILL. COLLECT ON ABSORBENT MATEIRAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL.  Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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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 ONE YEAR.  Other Precautions:USE WITH SUFFICIENT VENTILATION TO KEEP EMPLOYEE EXPOSURES BELOW THE RECOMMENDED LIMIT.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NONE NORMALLY REQUIRED. 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 IN ACCORDANCE WITH 29 CFR 1910.134. Ventilation:USE ADEQUATE MECHANICAL VENTILATION TO MAINTAIN EXPOSURE
BELOW PEL/TLV.  Protective Gloves:NEOPRENE, MYLAR  Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES  Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. HMIS: EYE  WASH STATION & SAFETY SHOWER.  Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE. Supplemental Safety and Health BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS, SUCH AS 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:517.2 MMHG

Vapor Density:4.0 Spec Gravity:1.23

pH:7

Evaporation Rate & Evaporation R

Solubility in Water:NEGLIGIB

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:UNSTABLE IF TEMPERATURES EXCEED 175F AND IF EXPOSED TO FLAMES.

Hazardous Decomposition Products:PRODUCT IS DECOMPOSED BY TEMPER ATURS

TO: HYDROGEN FLUORIDE, HYDROGEN CHLORIDE, AND POSSIBLY CHLORINE.

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

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

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