

## **MS-171/CO2 CONNECTOR PLUS**

### **MSDS Number**

BSBCW

### **National Stock Number**

6850-01-120-9514

### **Product Name**

MS-171/CO2 CONNECTOR PLUS

### **Manufacturer**

MILLER STEPHENSON CHEMICAL CO

### **Product Identification**

Product ID:MS-171/CO2 CONNECTOR PLUS

MSDS Date:08/01/1992

FSC:6850

NIIN:01-120-9514

MSDS Number: BSBCW

### **Responsible Party**

MILLER-STEPHENSON CHEMICAL CO

GEORGE WASHINGTON HIGHWAY

DANBURY , CT 06810

US

Emergency Phone: 203-797-2212,800-424-9300(CHEMTREC)

Info Phone: 203-743-4447

Preparer: JANET STEPHENS

Cage: 18598

### **Contractor**

MILLER-STEPHENSON CHEMICAL CO INC

950

DANBURY, CT 06810

US

203-743-4447

Cage: 18598

### **Ingredients**

METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS: 71-55-6

RTECS: KJ2975000

Fraction By Weight: 96.0%

OSHA PEL350 PPM

ACGIH TLV: 350 PPM/450STEL;9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight: 3 - 5%

OSHA PEL5000 PPM

ACGIH TLV: 5000PPM/30000STEL;93

POLYPHENYL ETHER

CAS: 3705-62-2

Fraction By Weight: 1%

## Hazards

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:EYES: EXTREME IRRITATION. SKIN:

PROLONGED CONTACT CAN CAUSE IRRITATION AND DERMATITIS. INHALATION: DIZZINESS, HEADACHE, NARCOSIS, ANESTHESIA, SUFFOCATION, CIRCULATORY DEPRESSION, CNS DAMAGE, AND DEATH IN CONFINED AREAS. INGESTION: IRRITATION OF MOUTH AND GI TRACT AND THE EFFECTS LISTED FOR INHALATION.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DERMATITIS. INHALATION: DIZZINESS, HEADACHE, NARCOSIS, ANESTHESIA, SUFFOCATION, CIRCULATORY DEPRESSION, CNS DAMAGE, AND DEATH IN CONFINED AREAS. INGESTION: IRRITATION OF MOUTH AND GI TRACT AND THE EFFECTS LISTED FOR INHALATION.

Medical Cond Aggravated by Exposure:PERSON WITH PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, RESPIRATORY TRACT, OR CARDIOVASCULAR DISEASE MAY BE AT INCREASED RISK FROM EXPOSURE TO THIS PRODUCT.

## First Aid

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NECESSARY GIVE CPR OR OXYGEN. GET MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, DRINK LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:TOC

Flash Point:NONE

Lower Limits:8%

Upper Limits:15%

Extinguishing Media:WATER, DRY CHEMICALS, OR CARBON DIOXIDE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA FOR POSSIBLE EXPOSURE TO HYDROGEN CHLORIDE AND POSSIBLE TRACES OF PHOSGENE.

Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES AEROSOL CONTAINERS MAY VENT, BURST, GENERATING FLYING DEBRIS. INTENSE HEAT MAY CAUSE DECOMPOSITION WITH EMISSION OF HALOGEN ACIDS.

## Accidental Release

Spill Release Procedures:VENTILATE AREA. REMOVE IGNITION SOURCES. DIKE SPILL. COLLECT ON ABSORBENT MATERIAL. TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL. IF SPILL IS SMALL ALLOW TO EVAPORATE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

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

Other Precautions:DO NOT PUNCTURE OR DAMAGE CONTAINERS. DO NOT SPRAY LIQUID ON HANDS OR DIRECT SPRAY TO EYES. DO NOT USE IN POORLY

VENTILATED OR CONFINED AREAS WITHOUT PROPER RESPIRATORY PROTECTION.  
VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS.

## Exposure Controls

Respiratory Protection: UNDER NORMAL MANUFACTURING CONDITIONS NO RESPIRATORY PROTECTION IS REQUIRED, BUT ADEQUATE VENTILATION IS REQUIRED TO CONTROL EXPOSURE BELOW PERMISSIBLE LIMITS.  
Ventilation: ADEQUATE VENTILATION IS REQUIRED TO CONTROL EXPOSURES BELOW PERMISSIBLE LIMITS.  
Protective Gloves: NEOPRENE, VITON, OR POLYETHYLENE GLOVES.  
Eye Protection: CHEMICAL SPLASH GOGGLES.  
Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health

## Chemical Properties

HCC: V2  
Boiling Pt: B.P. Text: 165F, 74C  
Vapor Pres: 120 @ 68F  
Vapor Density: 4.54 @ 68F  
Spec Gravity: 1.31  
pH: 6-7.5  
Evaporation Rate & Reference: 0.13 (CCL4=1)  
Solubility in Water: NEGLIGIBLE  
Appearance and Odor: CLEAR, COLORLESS LIQUID. ETHEREAL ODOR.  
Percent Volatiles by Volume: 99

## Stability

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 CONTAINERS ABOVE 49C/120F.  
Hazardous Decomposition Products: CAN BE DECOMPOSED BY HIGH TEMPERATURES (OPEN FLAMES, GLOWING SURFACES, ETC.) FORMING HALOGEN ACIDS AND PHOSGENE.  
Conditions to Avoid Polymerization: WILL NOT OCCUR.

## Disposal

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

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