

VAN WATERS & ROGERS INC. SUB. OF UNIVAR -- METHYLENE CHLORIDE -- 6810-00-244-0290  
===== Product Identification =====

Product ID:METHYLENE CHLORIDE

MSDS Date:01/01/1993

FSC:6810

NIIN:00-244-0290

MSDS Number: BNBQX

=== Responsible Party ===

Company Name:VAN WATERS & ROGERS INC. SUB. OF UNIVAR

Address:1600 NORTON BLDG.

City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Info Phone Num:408-435-8700

Emerg

ency Phone Num:408-435-8700/800-424-9300(CHEMTREC)

CAGE:6E838

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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

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Ingred Name:METHYLENE CHLORIDE (SARA III)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM/C,1000 PPM

ACGIH TLV:50 PPM, A2; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 167 MG/KG (SAX)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chroni

c:ACUTE: EYE/SKIN/RESPIRATORY TRACT

IRRITATION, POSSIBLE CORNEAL INJURY, NARCOSIS, CENTRAL NERVOUS SYSTEM EFFECTS, UNCONSCIOUSNESS, KIDNEY/LUNG DAMAGE, EVEN DEATH.

CHRONIC: DERMATITIS, DELAYED LIVER, KI DNEY AND CENTRAL NERVOUS SYSTEM DAMAGE.

Explanation of Carcinogenicity:SUSPECTED CARCINOGEN BY NTP AND IARC.

Effects of Overexposure:EYE PAIN, SKIN DRYNESS, HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, TINGLING OR NUMBNESS OF THE EXTREMITIES, SENSES OF FULLNESS IN THE HEAD, SE

NSE OF WARMTH, STUPOR OR DULLNESS,

LETHARGY AND DRUNKENESS. VERY HIGH CONCENTRATIONS MAY LEAD TO UNCONSCIOUSNESS OR EVEN DEATH IN CONFINED OR POORLY VENTILATED AREAS.

Medical Cond Aggravated by Exposure:PERSONS WITH ANGINA, HEART DISEASE, LUNG DISEASE, CORONARY ARTERY DISEASE, ANEMIA OR THOSE WHO ARE HEAVY DRINKERS OR SMOKERS SHOULD NOT BE EXPOSED TO THIS PRODUCT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR

. IF NOT BREATHING, GIVE CPR.

IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE:

FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL AT TENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER TO DRINK ONLY IF CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE

Autoignition Temp:Autoi

Ignition Temp Text:1224F

Lower Limits:14.8

Upper Limits:22.0

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

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

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Spill Release Procedures:WEAR RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR SCBA AS APPROPRIATE. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.

Neutralizing Agent:NONE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE. KEEP CONTAINERS CLOSED WHEN NOT IN USE

Other Precautions:METHYLENE CHLORIDE VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. THIS MATERIAL OR ITS VAPORS WHEN IN CONTACT WITH FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS CAN DECOMPOSE TO FORM HYDRO GEN CHLORIDE GAS AND TRACES OF PHOSGENE.

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

Respiratory Protection:WEAR SCBA OR SUPPLIED AIR RESPIRATOR IF USE CONDITIONS GENERATE VAPORS OR MISTS. CANNISTER RESPIRATORS MAY BE INEFFECTIVE DUE TO POOR WARNING PROPERTIES OF METHYLENE CHLORIDE.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.

Protective Gloves:VITON GLOVES RECOMMENDED.

Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supplementa

## I Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES. NOTE TO PHYSICIAN: IF  
INGESTED, DANGER OF CHEMICAL PNEUMONIA MUST BE WEIGHED AGAINST  
TOXICITY WHEN CONSIDERING EMPTYING STOMACH. IF LAVAGE IS PERFORMED,  
ENDO TRACHEAL AND/OR ESOPHAGOSCOPIC CONTROL IS SUGGESTED. DO NOT  
GIVE EPINEPHRINE OR SIMILAR DRUGS IF AT ALL POSSIBLE.

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

HCC:T4

Boiling Pt:B.P. Text:104F,40C

Melt/Freeze Pt:M.P/F.P Text:-139F FZ PT

V

apor Pres:340

Vapor Density:2.9

Spec Gravity:1.32

Viscosity:0.43 CP @ 68F

Evaporation Rate & Reference:>1 (BUTYL ACETATE = 1)

Solubility in Water:1.6%

Appearance and Odor:COLORLESS LIQUID. PENETRATING ETHER LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALIES, OXIDIZING MATERIALS, WATER, ALUMINUM, ALKALI METALS, POSSIBLY  
SODIUM, POTASSIUM AND MAGNESIUM.

Stability Condition to A

void:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION.

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, METHYLENE  
CHLORIDE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND  
PHOSGENE FUMES.

### ===== Disposal Considerations =====

Waste Disposal Methods:CONTAMINATED SAWDUST, VERMICULITE OR POROUS  
SURFACE MUST BE DISPOSED OF IN A PERMITTED HAZARDOUS WASTE  
MANAGEMENT FACILITY. RECOVERED LIQUIDS MAY BE REPROCESSED OR  
INCINERATED O

R MUST BE TREATED IN A PERMITTED HAZARDOUS WASTE  
MANAGEMENT FACILITY.

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