

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

Product ID:METHYLENE CHLORIDE

MSDS Date:02/01/1993

FSC:6810

NIIN:00-122-3963

MSDS Number: BRMFG

=== 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

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

Preparer's Nam

e:C.A. EISENHARD

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 =====

Ingred Name:METHYLENE CH

LORIDE (SARA III)  
CAS:75-09-2  
RTECS #:PA8050000  
Fraction by Wt: 99%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM/C,1000; Z2  
ACGIH TLV:50 PPM, A2; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 167 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN  
IRRITAT  
ION. INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION AND  
NARCOSIS. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS  
AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. CHRONIC:  
PROLONGED OR REPEATED CONTACT WITH LIQUID ON THE SKIN CAN CAUSE  
IRRITATION AND DERMATITIS.  
Explanation of Carcinogenicity:LISTED AS A POTENTIAL CARCINOGEN BY  
IARC. NOT BELIEVED TO POSE A MEASURABLE RISK TO MAN WHEN HANDLED AS  
RECOMMENDED.  
Effects of Overexposure:HEADACHE, DIZZINESS, DRO  
WSINESS, NAUSEA,  
TINGLING OR NUMBNESS OF THE EXTREMITIES, SENSES OF FULLNESS IN THE  
HEAD, SENSE OF WARMTH, STUPOR OR DULLNESS, LETHARGY AND  
DRUNKENNESS. INHALATION OF HIGH CONC ENTRATIONS MAY LEAD TO  
UNCONSCIOUSNESS,REDUCED ABILITY OF THE BLOOD TO TRANSPORT OXYGEN,  
CARDIAC ARRHYTHMIAS AND DEATH.  
Medical Cond Aggravated by Exposure:METHYLENE CHLORIDE IS METABOLIZED  
TO CARBON MONOXIDE. THIS MAY BE SUFFICIENT TO PRODUCE A SUBSTANTIAL  
STRESS ON THE CARDIOVASCULAR SYSTEM.  
PERSONS WITH LIVER OR KIDNEY  
DISORDERS ARE AT INCREASED RISK.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING  
EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH WATER.  
REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. INHALATION:  
REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT  
BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL  
ATTENTION. INGEST

ION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:TOC

Flash Point:NONE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

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 DECOM POSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:SMALL SPILL: MOP UP OR WIPE UP WITH RAGS OR TOWELS. TAKE OUTDOORS. LARGE SPILLS: EVACUATE AREA. WEAR SCBA. VENTILATE AREA. DIKE TO CONTAIN LIQUID. TRANSFER LIQUID TO CLOSED METAL CONTAINER. RESIDUE WI LL EVAPORATE QUICKLY. KEEP OUT OF WATERSUPPLY.

Neutralizing Agent:NONE-RECLAIM IF POSSIBLE.

===== Handling and Storage =====  
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Handling and Storage Precautions:VAPORS ARE HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS OF DEGREASERS, STORAGE TANKS, ETC. DO NOT ENTER THESE AREAS WITHOUT SCBA & OBSERVER TO ASSIST.

Other Precautions:THIS MATERIAL OR ITS VAPORS WHEN IN CONTACT WITH FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS CAN DECOMPOSE TO FORM HYDROGEN CHLORIDE GAS AND TRACES OF PHOSGENE.

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

Respiratory Protection:FOR A SINGLE SHORT-TERM EXPOSURE, USE NIOSH/MSHA

APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS IF IN CONFINED OR POORLY VENTILATED AREAS.

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

Protective Gloves:NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD.

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

DED.

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

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES.

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

HCC:T4

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

Vapor Pres:340 MM HG

Vapor Density:2.9(AIR=1)

Spec Gravity:1.32 (WATER=1)

Evaporation Rate & Reference:1 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE

Appearance and

Odor:CLEAR, COLORLESS LIQUID; PENETRATING ETHER-LIKE

ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, WATER, MOIST AIR, ALUMINIUM, ALKALI METALS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES

OF IGNITION. CONTACT WITH STRONG OXIDIZING AGENTS, WATER, MOIST  
AIR, ALUMINUM

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

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