

VAN WATERS & ROGERS -- METHYLENE CHLORIDE TECHNICAL (DICHLOROMETHANE) --
6810-00-058-6991

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

Product ID:METHYLENE CHLORIDE TECHNICAL (DICHLOROMETHANE)

MSDS Date:12/01/1993

FSC:6810

NIIN:00-058-6991

MSDS Number: BTRJK

=== Responsible Party ===

Company Name:VAN WATERS & ROGERS

Address:6100 CARILLON POINT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:909-

683-5165

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:C.A. EISENHARD

CAGE:DO735

=== 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

Company Name:VAN WATERS & ROGERS SUBSIDIARY OF UNIVAR

Address:6100 CARILLON POINT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Phone:425-889-3400

CAGE:DO735

Company Name:VOPAK USA INC

Address:6100 CARILLON POINT

Bo

x:City:KIRKLAND
State:WA
ZIP:98033-7357
Country:US
Phone:425-889-3400/425-889-3617
CAGE:0STM5

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Composition/Information on Ingredients
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Ingred Name:METHYLENE CHLORIDE (DICHLOROMETHANE) (SARA III)
CAS:75-09-2
RTECS #:PA8050000
Fraction by Wt: 99.9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM; Z-2
ACGIH TLV:50 PPM, A2; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:NOT KNOW
N

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INHAL:CAN ACCUMULATE IN CONFIN/POORLY
VENIT AREA & CAUSE UNCONSCIO & DEATH.NARCOTIC EFFECTS,CARDIAC
ARRYTHMIAS.IRRIT UPPER RESP TRACT. EYE:PAIN, IRRIT, CORNEAL INJURY.
SKIN:BURN,DRYING,FLAKING. INGEST :TOXIC IS LOW. IF ASPIRATED INTO
LUNGS MAY INJURE OTHER BODY SYS. ANIMAL OBSERVATIONS INCLUDE
LIVER/KIDNEY EFFECTS.

Explanation o

f Carcinogenicity:IARC/NTP:CARCINOGENIC IN MOUSE & LAB
RATS.DOESN'T PPOSE MEASUREABLE CARCINOGENIC RISK TO MAN WHEN HANDLE
AS RECOMMENDED.

Effects of Overexposure:INHAL:NARCOTIC EFFECTS @ 500-1000PPM; >1000PPM
CAUSES DIZZ,DRUNKENESS; 10,000PPM CAUSES UNCONSCIOUSNESS &
DEATH.CARBOXYHEMOGOBINEMIA (IMPAIRING BLOOD'S ABILITY TO TRANSPORT
OXY). EYE:PAIN,IRRIT,CORNEA L INJURY. SKIN:BURN,DRYING,FLAKING.
INGEST:INJURY TO BODY SYS WHEN ASPIRATED INTO LUNGS.

Medical Cond Aggravated

by Exposure:CHRONIC LUNG DISEASE, CORONARY ARTERY DISEASE OR ANEMIAS.

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First Aid Measures
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First Aid:INHAL:REMOVE TO FRESH AIR.IF NOT BREATH GIVE ARTI RESP/OXY.
EYE:FLUSH W/LOTS OF WATER FOR @ LEAST 15MINS. SKIN:WASH W/FLOWING WATER OR SHOWER. IF IRRIT PESISTS SEE DR. INGEST:DO NOT INDUCE VOMIT. ALL CASES SEE DOCTOR. PHYSICIAN:DANGER FROMLUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING STOMACH.

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Fire Fighting Measures
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Flash Point:NONE
Lower Limits:14
Upper Limits:22
Extinguishing Media:WATER FOG.
Fire Fighting Procedures:WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:FORMS FLAMMABLE VAPOR AIR MIXTURES.

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Accidental Release Measures
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Spill Release Procedures:MOP OR WIPE UP AND PLACE INTO DOT CONTAINERS. LARGE SPILL EVACUATE AREA. CONTAIN LIQUID, TRANSFER TO CLOSED METAL CONTAIENRS. KEEP OUT OF WATER SUPPLY.
Neutralizing Agent:NOT APPLICABLE.

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Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL PLACE.CONCEND VAPORS/MATL ARE HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS(PITS,DEGREASERS,STORAGE TANKS)ENTER THESE AREAS ONLY W/ Other Precautions:PROTECTIVE RESP EQPMT & OBSERVER PRESENT.USE OF AIR FOR UNLOADING MATL OUT OF VESSELS/TRANS CONTAINERS IS NOT RECOMMENDED.MANU
AL OPERATIONS INVOLVING POTENTIAL SKIN CONTACT(COLD CLEANING)ENVOLVING LG AREAS SHOULD USE CAUTION DUE TO VOLATILI

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Exposure Controls/Personal Protection
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Respiratory Protection:USE AN APPROVED AIR-PURIFYING RESPIRATOR FOR SHORT TERM EXPOSURES. IN POORLY VENTILATED AREAS USE AN APPROVED POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR.
Ventilation:LOCAL EXHAUST VENTILATION. LETHAL DOSES MAY EXIST IN AREAS WITH POOR VENTILATION.
Protective Gloves:IMPERVIOUS

GLOVES.

Eye Protection:SAF GLASS,GOGGLES,FULL FACE RESP (VAPOR)

Other Protective Equipment:IMPERVIOUS CLOTHING, A FULL BODY SUIT WILL
DEPEND ON OPERATION. EYEWASH FOUNTAIN, QUICK DRENCH SHOWER.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING. LAUNDRY
ANY CONTAMINATED CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health

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

HCC:T4

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

Vapor Pres:355 @20C

Vapor Density:2.93

Spec Gr

avity:1.320 @25C

Solubility in Water:2G/100G @ 25C

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

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

AMINES. ALUMINUM, POSSIBLY SODIUM, POTASSIUM & MAGNESIUM.

Stability Condition to Avoid:HYDROLYSIS PRODUCING SM AMTS OF HROCHLORIC
ACID POSSIBLY W/GROSS H2O CONTAMI.AVOID HI TEMP SOURCES WHICH
INDUCE DECOMPOS

Hazardous Decomposition Products:OPEN FLAMES & WELDING ARCS CAN CAUSE
THERMAL DEGRADATION

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

Waste Disposal Methods:SEND TO LICENSED RECLAIMERS OR TO PERMITTED
INCINERATORS. ANY DISPOSAL PRACTICE MUST BE IN COMPLIANCE WITH
LOCAL, STATE AND FEDERAL REGULATIONS.DO NOT DUMP INTO SEWERS, ON
THE GROUND OR ANY BODY OF WA TER.

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