

DOW CHEMICAL CO -- METHYLENE CHLORIDE FCC/NF -- 6810-00-058-6991

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Product Identification
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Product ID:METHYLENE CHLORIDE FCC/NF

MSDS Date:09/01/1995

FSC:6810

NIIN:00-058-6991

MSDS Number: CDKPB

=== Responsible Party ===

Company Name:DOW CHEMICAL CO

Address:1000 MAIN ST

City:MIDLAND

State:MI

ZIP:48667

Country:US

Info Phone Num:800-258-2436/517-832-1556

Emergency Phone Num:517-636-4400

CAG

E:6K748

=== Contractor Identification ===

Company Name:DOW CHEMICAL CO

Address:1000 MAIN ST

Box:City:MIDLAND

State:MI

ZIP:48667

Country:US

Phone:517-636-4400

CAGE:6K748

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

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Composition/Information on Ingredients
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Ingred Name:METHYLENE CHLORIDE (SARA 313) (CERCLA)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 99.9%

Other REC Limits:NONE REC

RECOMMENDED
OSHA PEL:500 PPM; Z-2
ACGIH TLV:50 PPM, A2; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL RATS LD50 1500-2500MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE:PAIN,MOD IRRIT WHICH MAY BE SLOW
TO HEAL,SLIGHT CORNEAL INJURY.VAP IRRIT.SKIN:PROL/REP EXPO CAUSE
IRRIT,BURN.DRYING,FLAKI
NG OF SKIN.MORE SEVERE RESPONSE IF CONFINED
TO SKIN.IMMERSION MAY CAUSE INT ENSE BURNING SENS FOLLOWED BY
COLD,NUMBFEELING WHICH WILL SUBSIDE AFT CONTCT.NOT LIKELY TO
ABSORBED THRU SKIN (SUPPLEM)
Explanation of Carcinogenicity:PER MSDS:PER OSHA 29CFR1910.1200 LISTED
AS POTENTIAL CARCINOGEN BY IARC/NTP.
Effects of Overexposure:EXCESSIVE EXPO MAY BE CENTRAL NERVOUS SYSTEM
EFFECTS.EXCESSIVE EXPOSURE MAY CAUSE CARBOXYHEMOGLOBINEMIA,THEREBY
IMPAIRING BLOOD'S ABILITY TO TRANSP
OXY.OBSERVATIONS IN ANIMALS
INLCUDE LIVER/KIDNEY EF FECTS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:IRRIGATE W/FLOW WATER IMMED,CONT 15MINS.SEE MED
PERSON.SKIN:WASH OFF IN FLOW WATER/SHOWER.INGEST:DON'T INDUCE
VOMIT.CALL DR/TRANSP TO EMERG FACIL IMMED.INHAL:REMOVE TO FRESH
AIR.NOT BREATH GIVE A RT RESP;.BREATH DIFF OXY GIVE BY QUAL
PERSON.CALL DR/TRANSP TO MED FA
CIL.DR:RAPID ABSORPT THRU LUNGS IF
ASPIRATED-CAUSE SYST EFFECTS DECISION OF
VOMIT.LAVAGE-ENDOTRACHEAL/ESOPHAGEAL CNTRL.

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

Flash Point Method:TCC
Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:556C
Lower Limits:14
Upper Limits:22
Extinguishing Media:WATER FOG,FINE SPRAY,CARBON
DIOXIDE,CHEMICAL,FOAM.WATER FOG APPLIED GENTLY MAY BE USED AS
BLANKET FOR FIRE EXTINGUSHMENT
Fire Fighting Procedures:KEEP PEOP

LE AWAY.ISOLATE AREA/DENY ENTRY.FIRE
H2O RUNOFF MAY CAUSE ENVIRO DMG.COOL CNTNR W/H2OSPRAY.RISE SOUND
FRM VENT SAF DEVICE/DICOLOR EVACUATE.WEAR SCBA
Unusual Fire/Explosion Hazard:TOX FUMES RELEASE IN FIRE
SITUATIONS.INHAL HARMFUL. DEATH IF TOO MUCH BREATH.CLEAR PERSON
FROM AREA.WEAR PPE.VAP TRAVEL LONG DISTANST.ACCUMULATE IN LOW
AREAS.

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

Spill Release Procedures:VENTI AREA.WEAR PPE.FOLLOW ASTM D
D-4276/29C
FR1910.146.PREVENT CONTAMIN OF SOIL/SURFACE H2O/GROUND
H2O.MATL COLLECT ON LOWEST SURFACE.TRANSFER TO LABEL CLSD METAL
CNTNR.SM:MOP/SOAKUP IMMED.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:EMPTY CNTNR CAN CONTAIN VAP.DON'T
CUT/WELD/ETC ON/NEAR EMPTY CNTNR.VAP COLLECT ON LOW AREAS.USE
PPE.KEEP CNTNR TIGHTLY CLSD WHEN NOT IN USE.
Other Precautions:STORE IN DRY PLACE.VAP PR
ESSURE GENERATED
>104F-RESULT IN VENT/RUPTURE.DON'T STORE IN AL,ZN,AL
ALLOYS,PLASTICS.PRODUCT DENSER THATN WATER.CONTAIN LIQ TO PREVENT
CONTAMIN OF SOIL,SURFACE WATER,GROUND W ATER.SARA TITLE III SEC 313
CHEMS.

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

Respiratory Protection:MAINTAIN ATM LEVELS BEL EXPO GUIDELINE.WHEN RESP
PROTECTION REQUIRED USE APPROVED AIR-PURIFYING/POSITIVE-PRESSURE
SUPPLIED-AIR RESP DEPENDING ON POT AIRBORNE CONC.EMERG/EXP
O
GUIDLINE EXCEEDED +PRESSUR E SCBA/AIRLINE W/AUX SCBSUPPLIED.
Ventilation:PROVIDE GEN/LOC EXHAU VNETI TO CONTROL AIRBORNE LEVELS BEL
EXPO GUIDELINES.LETHAL CONC MAY EXIST IN AREAS W/POOR VENTI.
Protective Gloves:SPEC ITEM DEPEND ON OPERATION.
Eye Protection:SAFETY GLASSES,FULL-FACE RESPIRATOR.
Other Protective Equipment:USE PPE IMPERVIOUS TO MATL.SELECTION DEPEND
ON OPERATION.
Work Hygienic Practices:DON'T EAT/DRINK/SMOKE IN WORK AREA.REMOVE
CONTAM LCOTH IMMED ;LAUNDER CLOTH BEF

REUSE.

Supplemental Safety and Health

HEALTH HAZ:INGEST:TOXICITY LOW.SM AMTS NOT LIKELY TO CAUSE INJURY;LG AMTS CAUSE INJURY.ASPIRATED-RAPIDLY ABSORB THRU LUNG,INJURE OTHER BODY SYS.INHAL:VAP READILY ACCUMUL,UNCONSC,DEATH.EXCESS EXPO CARB OXYHEMOGLOBLEMIA,IMPAIRING BLOOD ABILITY TO TRANSP OXY.MIN ANESTHETIC/NARCOTIC EFFECTS,DIZZ,DRUNK,CARDIAC ARRHYTHMIAS.

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

HCC:T4

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

Melt/Freeze Pt:M

.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:355MM

Vapor Density:2.93

Spec Gravity:1.320

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

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

Appearance and Odor:COLORLESS LIQUID, IRRITATING ODOR.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

METALS(AL,MG,K,NA,ZN POWEDRS).AMINES,STRONG BASES,STRONGOXIDIZERS,PROL CONTACT W/OR STORAGE I N AL/AL ALLOYS.

Stability Condition to Avoid:AVOID DIRECT SUNLIGHT/ULTRAVIOLET

SOURCES,OPN FLAMES,WELD ARC,HI TEMP SOURCES.HIGH ENERGY SOURCES DEGRADE MATLS.

Hazardous Decomposition Products:SMOKE CONTAIN ORG MATL,UNID TOXIC &/OR IRRIT COMPDS.HYDROGEN CHLORIDE.TRACE AMTS OF PHOSGENE CHLORINE.

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

Waste Disposal Methods:DON'T DUMPT INTO SEWERS/GROUND/BODY OF H2O.ICW/ALL FED/STATE/PROVIN/LOC LAWS/REGS.WASTE CHARA

CTER/COMPLINACE W/APPLICA LAWS WASTE GENERATOR
RESPONSIBILITY.UNUSED/UNCONTAM PROD:SEND TO LIC,PERMITT RECY
CLER,RECLAIMER,INCINER,OTHER THERM DESTRUCTION DEV

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