

CSD INC. -- METHYLENE CHLORIDE -- 6810-00-244-0290

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Product Identification
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Product ID:METHYLENE CHLORIDE

MSDS Date:09/30/1986

FSC:6810

NIIN:00-244-0290

MSDS Number: BGXFH

=== Responsible Party ===

Company Name:CSD INC.

Address:420 SEABOARD DRIVE

City:MATTHEWS

State:NC

ZIP:28105-5073

Country:US

Info Phone Num:704-821-9822

Emergency Phone Num:704-821-9822

CAGE:JO933

=== Contractor Identi

fication ===

Company Name:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:JO933

Company Name:CSD INC. (PRE 1985 NAME: MATHEWS, INC)

Address:420 SEABOARD DRIVE

Box:City:MATTHEWS

State:NC

ZIP:28105-5073

Country:US

Phone:704-821-9822

CAGE:5W216

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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:500 PPM

OSHA PEL:

500 PPM/C,1000; Z2
ACGIH TLV:50 PPM, A2; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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===== 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
IRRITATION. INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION AND
NARCOSIS. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOS
S 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 SUSPECTED CARCINOGEN BY
IARC. (2B)
Effects of Overexposure:HEADACHE, DIZZINESS, DROWSINESS, NAUSEA,
TINGLING OR NUMBNESS OF THE EXTREMITIES, SENSES OF FULLNESS IN THE
HEAD, SENSE OF WARMTH, STUPOR OR DULLNESS, LETHARGY AND DRUNKENESS.
VERY HIGH CONCENTRATI
ONS MAY LEAD TO UNCONSCIOUSNESS OR EVEN DEATH
IN CONFINED OR POORLY VENTILATED AREAS.
Medical Cond Aggravated by Exposure:METHYLENE CHLORIDE IS METABOLIZED
BY THE BODY TO CARBON MONOXIDE. THIS CAN BE SUFFICIENT TO PRODUCE A
SUBSTANTIAL STRESS ON THE CARDIOVASCULAR SYSTEM BY ELEVATED LEVELS
OF CARBONYHEMOGLOBIN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR.
IF BREATHING IS DIFFICUL
T, 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.

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:12
Upper Limits:19
Ext

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:VAPORS CONCENTRATED IN A CONFINED OR POORLY VENTILATED AREA CAN BE IGNITED UPON CONTACT WITH A SPARK. DECOMPOSITION OR BURNING CAN PRODUCE HYDROGEN CHLORIDE.

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

Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS.
LARGE SPILLS: EVACUATE AREA. WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.
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 HYDROGEN CHLORIDE GAS AND TRACES OF PHOSGENE.

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

Respiratory Protection:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM. LONG-TERM OVEREXPOSURE MAY CAUSE LIVER/KIDNEY DAMAGE.

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 AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY

UGHLY 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

Melt/Freeze Pt:M.P/F.P Text:-142F,-97C

Vapor Pres:349

Vapor Density:2.93

Spec Gravity:1.32

Evaporation Rate & Reference:0.71 (ETHYL ETHER = 1)

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR, COLORLESS L

IQUID WITH ETHER-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS AND CAUSTICS; CHEMICALLY ACTIVE METALS, SUCH AS
ALUMINUM OR MAGNESIUM POWDERS; SODIUM, POTASSIUM.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES

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

HOSGENE 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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