

ICI AMERICAS INC SPECIALTY CHEMICAL DIV -- METHYLENE CHLORIDE -- 6810-00-244-0290

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

Product ID:METHYLENE CHLORIDE

MSDS Date:11/08/1986

FSC:6810

NIIN:00-244-0290

MSDS Number: BKQZB

=== Responsible Party ===

Company Name:ICI AMERICAS INC SPECIALTY CHEMICAL DIV

Address:NEW MURPHY AND CONCORD PIKE

City:WILMINGTON

State:DE

ZIP:19897

Country:US

Emergency Phone Num:800-3

27-8633/302-575-3000

CAGE:1N759

=== Contractor Identification ===

Company Name:A AND B CHEMICAL AND EQUIPMENT CO

Address:2931 2ND AVE SUITE 100

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-329-3197

CAGE:0F8M0

Company Name:ICI AMERICAS INC. (FILM DIVISION)

Address:NEW MURPHY ROAD AND CONCORD PIKE

Box:City:WILMINGTON

State:DE

ZIP:19897

Country:US

Phone:302-575-3000

CAGE:1N759

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

Ingred Name:METHYLENE CHLORIDE (SARA II)

l)
CAS:75-09-2
RTECS #:PA8050000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
OSHA PEL:500 PPM/C,1000; Z2
ACGIH TLV:50 PPM, A2; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 1500-5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-MAY CAUSE EYE & SKIN
IRRITATION.MAY CAUSE
USE SKIN CHEMICAL BURNS.INHALATION:MAY CAUSE
RESPIRATORY TRACT IRRITATION,CNS DEPRESSION,LOSS OF CONSCIOUSNESS &
EVEN DEATH.INGESTION:SLIGHTLY TOXIC.HIGH DO SE->CNS
DEPRESSION.CHRONIC-PROLONGED/REPEATED CONTACT WITH LIQUID ON THE
SKIN CAN CAUSE IRRITATION AND DERMATITIS.
Explanation of Carcinogenicity:LISTED AS A SUSPECTED CARCINOGEN BY IARC
(2B) AND NTP (AC).
Effects of Overexposure:SEE HEALTH HAZARDS SECTION. AT VERY HIGH
CONCENTRATIONS, METHYLENE CHLORIDE INHALATION CA
N INDUCE CARDIAC
SENSITIZATION TO EPINEPHRINE-LIKE COMPOUNDS IN EXPERIMENTAL
ANIMALS. MAY INDUCE CARBOXYHEMOGLO BINEMIA. THIS MATERIAL IS
PRACTICALLY NONTOXIC IN TERMS OF ACUTE EXPOSURE. LC50 IN MICE IS
ABOUT 50 G/M3(15,000 PPM).
Medical Cond Aggravated by Exposure:NOT GIVEN.

=====
===== 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 WATER FOR 15 MINUTES.GET MEDICAL
ATTENTION.SKIN:WASH WITH SOA P & WATER.INGESTION:IF CONSCIOUS,DRINK
1-2 GLASSES OF WATER & INDUCE VOMITING.GET IMMEDIATE MEDICAL
ATTENTION.

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

Flash Point:DOES NOT FLASH
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA.

COOL

FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:METHYLENE CHLORIDE VAPORS IN CONCENTRATIONS OF ABOUT 12-19% BY VOLUME CAN BE IGNITED BY VERY HIGH ENERGY SOURCES (ABOVE 65 JOULES).

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

Spill Release Procedures:VENTILATE AREA.WEAR SKIN & EYE PROTECTION & A POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR DURING CLEAN-UP.CONTAIN THE SPILL.PREVENT LIQUID FROM ENTERING SEWERS.SOAK UP LIQUID WITH ABSORBENT & SHOVEL INTO WASTE CONTAINER.REMOVE CONTAINER FROMWORK AREA.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORAGE-STORE IN WELL-VENTILATED AREA AWAY FROM HEAT & SUNLIGHT.
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:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. FOR HIGH CONCENTRATIONS AND OXYGEN-DEFICIENT ATMOSPHERES, USE POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR.
Ventilation:LOCAL EXHAUST RECOMMENDED. VENTILATE LOW-LYING AREAS WHERE DENSE VAPORS MAY COLLECT.
Protective Gloves:PVA
Eye Protection:CHEMICAL TIGHT GOGGLES & FULL FACESHIELD
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 BREATH VAPORS OR MIST.
Supplemental Safety and Health
NOTE TO PHYSICIAN: METHYLENE CHLORIDE IS METABOLIZED TO CARBON MONOXIDE; WHICH THEN REACTS WITH HEMOGLOBIN & REDUCES THE OXYGEN-CARRYING CAPACITY OF THE BLOOD. DO NOT ADMINI

STER
ADRENALIN/SYMPATHOMIME TIC DRUGS FOLLOWING OVEREXPOSURE TO THIS
PRODUCT OR ALLOW VIGOROUS EXERCISE FOR 24 HOURS FOLLOWING TOXIC
EXPOSURES.

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

HCC:T4
Boiling Pt:B.P. Text:104F,40C
Vapor Pres:349
Vapor Density:2.93
Spec Gravity:1.33
Solubility in Water:1.4 %
Appearance and Odor:CLEAR, COLORLESS LIQUID WITH ETHER-LIKE ODOR
Percent Volatiles by Volume:100

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

=====

Stability Indicator/Materials to Avoid:YES
CORROSIVE TO AL,TI,FE,STEEL,CU,NI.AVOID CONTACT WITH
OXIDIZERS,ALKALI,ALKALINE EARTH METALS,CAUSTIC SODA,POTASH.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES
Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, METHYLENE
CHLORIDE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND
PHOSGENE FUMES.

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

Waste Disposal Methods:DISCARDED PRODUCT IS A HAZARDOU
S WASTE,U-080
UNDER RCRA 40 CFR 261.33. SPENT METHYLENE CHLORIDE & SLUDGE FROM
RECOVERY OF THIS MATERIAL ARE HAZARDOUS WASTES,F001 & F002. DISPOSE
OF THESE MATERIALS IN A FACILITY, PERMITTED FOR HAZARDOUS WASTE.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate
and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.