

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

Product ID: DICHLOROMETHANE

MSDS Date: 03/03/1994

FSC: 6850

NIIN: 00-122-3963

MSDS Number: BZPDV

=== Responsible Party ===

Company Name: OCCUPATIONAL HEALTH SERVICES INC

Address: 11 W 42ND STREET, 12TH FLOOR

City: NEW YORK

State: NY

ZIP: 10036

Country: US

Info Phone Num: 212-789-3535/800-445-MSDS (MSDS)

Emergency Phone Num: 615-366-2000

CAGE: DO501

=== Contractor Iden

tification ===

Company Name: OCCUPATIONAL HEA & SAFETY, FORD MOTOR CO

Address: 900 PARKLANE TOWERS WEST

City: DEARBORNE

State: MI

ZIP: 48126

Phone: 800-959-3673

CAGE: DO501

Company Name: OCCUPATIONAL HEALTH SERVICES INC

Address: 11 W 42ND ST 12 THE FLOOR

City: NEW YORK

State: NY

ZIP: 10036

Country: US

Phone: 212-789-3535

CAGE: 0G9K0

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

Ingred Name: METHYLENE CHLORIDE (SARA 313) (CERCLA)

CAS: 75-09-2

RTECS #: PA8050000

Fraction by Wt: 100%

Other RE

C Limits:NONE 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-RAT LD50: 1600 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHAL:IRRIT/NARC/CHEM

ASPHYXIANT/CARC.RESP TRACT IRRIT,TEMP NEUROBEHAVIOURAL
EFFECTS,LIGHTHEAD,HIGH CARBOXYHEMOG

LOBIN LEVEL,NAU,FTG,GI

DISTURB.SKIN:MILD IRRIT TO SEVERE PAIN,PARESTHESIAS,BURNS.DRY,SCA
LY,FISSURED DERM(DEFAT ACTION).EYE:IRRIT,PAOIN,NOT LIKELY TO CAUSE
INJURY,CONJ.INGEST:REAPID-SLOW RESP,GLOTTAL,(SUPPLEM)

Explanation of Carcinogenicity:PER MSDS:CARCINOGEN STATUS:OSHA-NO,
NTP/IARC-YES.

Effects of Overexposure:IRRITATION, NAU,BLOOD IN URINE,IRREGULAR

HEARTBEAT,HEAD,WEAKNESS,DRUNKENESS,CONFUSION,NUMBNESS,SUFFOCATION,L
UNG CONGESTION,BLOOD DISORDERS,UNCONSC,CHEST
PAI

NS,HALLUCINATIONS,BRAIN EFFECTS,REPROD EFFEC

TS,CANC,BURNS,TINGLING SENS,SORES,LUNG DMG,BLOOD
DISORDERS,LIVER/KIDNEY DMG.

Medical Cond Aggravated by Exposure:PERSONS

W/SKIN/LIVER/KIDNEY/CARDIOVASCULAR DISEASE/ANEMIA. TARGET
ORGANS:CNS DEPREEASANT;CHEM ASPHYXIANT.POIS MAY AFFECT
BLOOD,LIVER,KIDNES.

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

First Aid:INHAL:REMOVE TO FRESH AIR IMMED.STOP BREATH GIVE ART
RESP.TREAT SYMPTOM/SUPPORT.SKIN:REMOVE CONTA

MIN CLOTH/SHOES

IMMED.WASH AREA W/SOAP/MILD DETERGETN/LG AMTS OF WATER APPROX
15-20MINS.EYE:WASH IMMED W/LG AMTS OF WATER/NORMAL SALINE,LIFTING
EYELIDS APPROX 15-20MINS.INGEST:REMOVE BY GASTRIC
LAVAGE/EMESIS.RESP DEPRESS GIVE OXY.DO NOT PERFORM GASTRIC
LAVAGE/EMESIS IF UNCONSC.IN ALL CASES GET MED(SUP)

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

Flash Point:HMIS:NON-FLAMM

Autoignition Temp:Autoignition Temp Text:1033F

Lower Limits:13

Upper Limits:2

Extinguishing Media: DRY CHEMICAL OR CARBON DIOXIDE. LG FIRES: USE WATER SPRAY, FOG, OR REG FOAM.

Fire Fighting Procedures: APPLY COOLING WATER TO CNTNRS SIDE EXPO TO FLAMES TIL WELL AFT FIRE OUT. STAY AWAY FRM TKS END. ISOLATE 1/2M IN ALL DIRECTIONS IF TK/RAIL CAR/TK TRUCK(FIRE/EXPLO)

Unusual Fire/Explosion Hazard: SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. FIREFIGHT: IN FIRE. USE FLOODING QUANT OF WATER TO COOL CNTNR APPLY FRM AS FAR A DISTANCE AS POSSIBLE. KEEP UPWIND

=====

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

Spill Release Procedures: SHUT OFF IGN SOURCES. STOP LEAK W/O RISK. SM: TAKE UP W/SAND/EARTH/ABSORBENT MATL. LG: DIKE FOR LATER DISPO. NO SMOKING, FLAMES, FLARES IN HAZ AREA. KEEP UNNECESSARY PEOPLE AWAY. RQ: 1000LBS. DIG HOLDING AREA(LAG OON/PON/PIT). USE CEMENT POWDER/FLY ASH TO(OTH PRE)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Pre

cautions: OBSERVE ALL FED/STATE/LOC REGS. PROTECT AGAINST PHY DMG. STORE IN COOL DRY WELL VENTI AREA AWAY FRM FIRE HAZ IN TIGHTLY CLSD CNTNR UNDER NITROGEN.

Other Precautions: SPILL: ABSORB. AIR: APPLY WATERSPRAY TO KNOCK DOWN VAP. WATER: TRAP @BOTTOM IN DEEP WATER POCKETS EXCAVATED HOLDING AREA/W/IN SANDBAG BARRIERS. USE SUCTION HOSES TO REMOVE MATL. CA PROP 65.

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

Respiratory Protection: SPECIFIC RESP SELECTED MSUT BE BASED ON CONTAMIN

LEVELS FOUND IN WORKPLACE, MUST NOT EXCEED WORKING LIMITS OF RESP, JOINTLY APPROVED BY NIOSH/MSHA.

Ventilation: PROCESS ENCLOSURE RECOMMENDED TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: APPROPRIATE PROTECTIVE GLOVES.

Eye Protection: SPLASH-PROOF, DUST-RESIST SAF GOGG, FCSHIE

Other Protective Equipment: EYEWASH FOUNTAIN, QUICK DRENCH SHOWER WITHIN IMMED WORK AREA FOR EMERGY USE. WEAR APPROPR PROT IMPERV CLOTH/EQPMT.

Work Hygienic Practices: HMIS: WASH HANDS AFT

HANDLING.LAUNDRY CONTAMIN
CLOTH BEF REUSE.

Supplemental Safety and Health

HEALTH HAZ:PHARYNGEAL EDEMA,GI ULCERATION,HEMORRHAGE,UNCONSC,LACK OF
RESPOSNE TO PAOINFUL SITMULI,CNS DEPRESS,CONVUL,PARESTHESIA OF
EXTREMITIES,LIVER/KIDNEY DMG,CARBOXYHEMOGLOBINEMIA.DRINKING ALCOHOL
MAY WORSEN EFFECTS. 1ST AID:IMMED.DR:NO SPECIFIC ANTIDOTE.TREATE
SYMPT/SUPP.

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

HCC:T4

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

Melt/Freeze Pt:M.P/F.

P Text:-139F,-95C

Decomp Temp:Decomp Text:NP

Vapor Pres:400 @24C

Vapor Density:2.9

Spec Gravity:1.3266

pH:NP

Viscosity:0.441CP @20C

Evaporation Rate & Reference:27.5 (N-BUTYL ACETATE=1)

Solubility in Water:1.32% @20C, MODERATE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH MILD, CHLOROFORM-LIKE
ODOR.

Percent Volatiles by Volume:100

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

ALKALI METALS,AL,STRONG C

AUSTICS,CU,FE,LI,MG,NI,HNO3,NO2,STRONG

OXIDIZERS,LIQ O2,K,KOH,NA,NA-K ALLOY,SS,TI,ZN,PLAS,RUBB

Stability Condition to Avoid:MAY BURN BUT DOES NOT IGNITE

READILY.CONTAINER MAY EXPLODE IN HEAT OF FIRE.

Hazardous Decomposition Products:THERM DECOMPO PROD MAY INCLUDE TOXIC &
HAZARDOUS PHOSGENE GAS,TOXIC & CORRO FUMES OF CHLORIDES, & OXIDES
OF CARBON.

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

Waste Disposal Methods:OBSERVE ALL FED/STATE/LOC REGS.MUST BE IAW

STDS

APPLICABLE TO GENERATORS OF HAZ WASTE, 40CFR262.EPA HAZ
WASTE#:U080.CERCLA SEC 103/SARA SEC 3113.1000LBS RQ.

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.