

BURDICK AND JACKSON DIV OF BAXTER HEALTHCARE CORP. -- METHYLENE CHLORIDE --
6810-00-122-3963

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

Product ID:METHYLENE CHLORIDE

MSDS Date:07/01/1989

FSC:6810

NIIN:00-122-3963

MSDS Number: BQKMH

=== Responsible Party ===

Company Name:BURDICK AND JACKSON DIV OF BAXTER HEALTHCARE CORP.

Address:1953 S HARVEY STREET

City:MUSKEGON

State:MI

ZIP:49442-6101

Country:US

Info Phone Num:616-726-3171

Emergency Phone Num:616-726-3171

CAGE:2H215

=== Contractor Identification ===

Company Name:HONEYWELL, BURDICK AND JACKSON

Address:1953 S HARVEY STREET

Box:City:MUSKEGON

State:MI

ZIP:49442-6101

Country:US

Phone:800-368-0050/800-707-4555

CAGE:2H215

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

Ingred Name:METHYLENE CHLORIDE (SARA III)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM/C,1000; Z2

ACGIH TLV:50 PPM, A2; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

=

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 2136 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:TOXIC, POSSIBLE CARCINOGEN. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION. PROLONGED AND REPEATED OVEREXPOSURE MAY CAUSE DAMAGE TO LIVER, DAMAGE TO THE KIDNEYS.

Explanation of Carcinogenicity:IRAC

: ANIMAL INDEFINITE

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 DRUNKENNESS. INHALATION OF HIGH CONC ENTRATIONS MAY LEAD TO UNCONSCIOUSNESS,REDUCED ABILITY OF THE BLOOD TO TRANSPORT OXYGEN, CARDIAC ARRHYTHMIAS AND DEATH.

Medical Cond Aggravated by Exposure:METHYLENE CHLORIDE IS METABOLIZED TO CARBON MONOXIDE. THIS MAY BE SUFFICIEN

T TO PRODUCE A SUBSTANTIAL

STRESS ON THE CARDIOVASCULAR SYSTEM. PERSONS WITH LIVER OR KIDNEY DISORDERS ARE AT INCREASED RISK.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:13

Upper Limits:23

Extinguishing Media:NONCOMBUSTIBLE. USE WATER SPRAY, CARBON DIOXIDE OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPME

NT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE TOXIC FUMES OF HYDROGEN CHLORIDE GAS AND PHOSGENE GAS. FORMS FLAMMABLE VAPOR-AIR MIXTURES ABOVE AMBIENT TEMPERATURES.

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

Spill Release Procedures:SMALL SPILL: MOP UP OR WIPE UP WITH RAGS OR TOWELS. TAKE OUTDOORS. LARGE SPILLS: EVACUATE AREA. WEAR SCBA.

VENTILATE AREA. DIKE TO CONTAIN LIQUID. TRANSFER LIQUID TO CLOSED METAL CONTAINER. RESIDUE WILL EVAPORATE QUICKLY. KEEP OUT OF WATERSUPPLY.

Neutralizing Agent:NONE-RECLAIM IF POSSIBLE.

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

Handling and Storage Precautions:VAPORS ARE HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS OF DEGREASERS, STORAGE TANKS, ETC. DO NOT ENTER THESE AREAS WITHOUT SCBA & OBSERVER TO ASSIST.

Other Precautions:THIS MATER

IAL 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:FOR A SINGLE SHORT-TERM EXPOSURE, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS IF IN CONFINED OR POORLY VENTILATED AREAS.

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, BOOTS 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

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:-143F,-97C

Vapor Pres:350

Vapor Density:2.93

Spec Gravity:1.325

Evaporation Rate & Reference:14.5 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

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

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI ME

TALS, ALUMINUM, STRONG OXIDIZING AGENTS, AND ALKALIS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

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

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

Waste Disposal Methods:THE MATERIAL SHOULD BE IGNITED IN THE PRESENCE
OF SODIUM CARBONATE & SLAKED LIME. THE SUBSTANCE SHOULD BE MIX
ED

WITH VERMICULITE & THEN WITH THE DRY CAUSTICS, WRAPPED IN PAPER &
BURNED IN A CHEMICAL INCINERATOR EQUIPPED WITH AFTERBURNER &
SCRUBBER.

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
do

cument should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.