

J AND M LABORATORIES -- CHLOROTHENE SM SOLVENT -- 6810-00-476-5613

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

Product ID:CHLOROTHENE SM SOLVENT

MSDS Date:12/19/1995

FSC:6810

NIIN:00-476-5613

MSDS Number: BZBCC

=== Responsible Party ===

Company Name:J AND M LABORATORIES

Address:1717 ROWAN

City:LOUISVILLE

State:KY

ZIP:40203

Country:US

Info Phone Num:502-585-3176/FAX502-585-3216

Emergency Phone Num:502-585-3

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CAGE:01VT9

=== Contractor Identification ===

Company Name:J AND M LABORATORIES, INC.

Address:1717 ROWAN ST

Box:City:LOUISEVILLE

State:KY

ZIP:40203

Country:US

Phone:800-473-6173/502-585-3176

CAGE:01VT9

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

Ingred Name:1,1,1-TRICHLOROETHANE (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 96.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:350 PPM;STEL 450 PPM

ACGIH TLV:350 PPM;STEL 450 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty

:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:DIETHYLENE ETHER (1,4-DIOXANE) (SARA III)  
CAS:123-91-1  
RTECS #:JG8225000  
Fraction by Wt: 2.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:25 PPM (SKIN)  
ACGIH TLV:25 PPM (SKIN)  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:1,2-BUTYLENE OXIDE  
CAS:106-88-7  
RTECS #:EK3675000  
Fraction by Wt: 0.47%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:STEL 2 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:NITROMETHANE  
CAS:75-52-5  
RTECS #:PA9800000  
Fracti  
on by Wt: 0.34%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM

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

LD50 LC50 Mixture:LD50 ORAL, RAT: >10,000 MG/KG;  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: PAIN. SLIGHT TRANSIENT IRRITATION  
WITH SLIGHT TRANSIENT CORNEAL INJURY. IRRITATION. SKIN: PROLONGED  
OR REPEATED MAY CAUSE IRRITATION, DRYIN  
G, FLAKING. INGESTION:  
ASPIRATED PRODUCT MAY RESULT IN I NJURY TO OTHER BODY SYSTEMS.  
INHALATION: HIGH CONCENTRATIONS (10000): UNCONSCIOUSNESS, DEATH.  
CARDIAC ARTHYTHMIAS.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:EYE PAIN, TRANSIEN IRRITATION, SKIN IRRITATION,  
DRYING, FLAKING, CHEMICAL PNEUMONIA, UNCONSCIOUSNESS, CARDIAC  
ARTHYTHMIAS, DE

ATH.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF OCCURS, KEEP HE  
AD BELOW HIPS. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:NONE  
Lower Limits:7.5  
Upper Limits:12.5  
Extinguishing Media:WATER FOG  
Fire Fighting Procedures:WEAR POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:VAPORS OF THIS SOLVENT MAY DEVELOP & FLAMMABLE ATMOSPHERE IN CONFINED OR POORLY-VENTILATED AREAS.

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

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Spill Release Procedures:MINIMIZE AREA EFFECTED BY SPILL. BLOCK ANY POTENTIAL ROUTES TO WATER SYSTEMS. NOTIFY PROPER AUTHORITIES. USE ABSORBENT TO RECOVER SPILLED MATERIAL. KEEP OUT OF WATER SUPPLIES.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:HANDLE W/REASONABLE CARE. AVOID BREATHING VAPORS. STORE IN COOL, DRY PLACE. CONCENTATED VAPORS HEAVIER THAN AIR, MAY COLLECT IN LOW/CONFINED AREAS.  
Other Precautions:DON'T ENTER LOW OR CONFINED AREA WITHOUT SPECIAL BREATHING APPARATUS & OBSERVER PRESENT. DON'T PACKAGE IN ALUMINUM AEROSOL CAN W/FINELY DIVIDED ALUMINUM OR ALLOY IN AREOSOL CAN. ALUMINUM NOT ACCEPTABL E MAT'L FOR PUMPS, MIXERS, FITTINGS.

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

Respiratory Protection:MAINTAIN ATMOSPHERIC LEVELS TLV/PEL,USE POSITIVE PRESSURE SCBA. IN CONFINED/POORL Y VENTED AREA,USE POSTIVE PRES

SURE SCBA.  
Ventilation:CONTROL AIRBORNE CONCENTRATION