

CRAWFORD LABORATORIES, INC. -- M0-086, MIL-C-22750E CLEAR, COMP A -- 8010-01-313-8703  
===== Product Identification =====

Product ID:M0-086, MIL-C-22750E CLEAR, COMP A

MSDS Date:07/21/1992

FSC:8010

NIIN:01-313-8703

Kit Part:Y

MSDS Number: BVBDP

=== Responsible Party ===

Company Name:CRAWFORD LABORATORIES, INC.

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

State:IL

ZIP:60609

Country:US

Info Phone

Num:312-376-7132

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:DAVID SCHMETTERER

CAGE:DO165

=== Contractor Identification ===

Company Name:CRAWFORD LABORATIES, INC

Address:4165 SOUTH EMERALD AVENUE

City:CHICAGO

State:IL

ZIP:60609

Phone:800-424-9300 CHEMTREC

CAGE:DO165

Company Name:CRAWFORD LABORATORIES, INC

Address:4165 SOUTH EMERALD AVENUE

Box:City:CHICAGO

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Country:US

Phone:312-376-7132

CAGE:5V430

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

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Ingred Name:METHYL ETHYL KETONE (SARA III) (VAPOR PRESSURE 71.2 MM HG)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM  
ACGIH TLV:200 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:BISPHENOL A-EPICHLOROHYDRIN RESIN  
CAS:25085-99-8  
Fraction by Wt: 30%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE (SARA III) (VAPOR PRESSURE 38 MM HG)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 15%  
Other REC Limits:NONE RECOMMENDED  
OSHA  
PEL:100 PPM  
ACGIH TLV:100 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE (SARA III) (TOLEUNE CONTAINS A TRACE OF BENZENE)  
CAS:71-43-2  
RTECS #:CY1400000  
Fraction by Wt: TRACE  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:VOC: 331 GPL  
RTECS #:9999999VO  
Other REC Limits:NONE RECOMMENDED

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

Health Hazards Acute and Chronic:HEADACHE,DIZZINESS,NAUSEA,LOSS OF  
CONSCIOUSNESS

.SEVERE EYE IRRITATION POSSIBLY RESULTING IN PERMANENT DAMAGE.IRRITATED MUCOUS MEMBRANES.VOMITING DUE TO INGESTN.DEFATTING & DRYING OF SKIN.SENSITIZATION AFTER REPEATED CONTACT.UNLIKELY THAT OPERATIONS W/RESIN COULD PRODUCE ATMOSPHERIC CONCENTRATN APPROACHING OSHA LIMITS.

Explanation of Carcinogenicity:YOU SHOULD BE AWARE THAT IT HAS BEEN REPORTED TO CAUSE CANCER IN LABORATORIES ANIMALS.

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

First Aid:EYE:FLU

SH W/LOW PRESSR WATER 15 MIN,LIFT EYELID.GET MED

AID.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN IF BREATH DIFFICULT.GIVE ARTIF RESP IF NO BREATH.GET MED AID.KEEP WARM & COMFORTABLE.NEVER GIVE UNCONS CIOUS PERSON LIQ.INGEST:CALL DR IMMED.ONLY INDUCE VOMIT OF DR'S INSTRUCTN.IF VOMIT OCCURS,KEEP HEAD BELOW HIPS.NOTHING BY MOUTH TO UNCONSCIOUS.SKIN:FLUSH W/WATER,THEN SOAP & WATER.IF IRRIT GET MED AID

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

Flash Poin

t Method:SCC

Flash Point:22.0F,-5.6C

Lower Limits:1.2

Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL

Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINER COOL, & KEEP FLAMMABLE STRUCTURES WET. DON'T ENTER FIRE AREA W/O PROTECTION BECAUSE HAZARDOUS DECOMP MAY BE PRESENT.

Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

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

Spill

Release Procedures:WARNING--FLAMMABLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISP OSAL.

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

Handling and Storage Precautions:FLAMMABLE.KNOW DOT REGS BEFORE TRANSPORT.HOT ORGANIC CHEM VAPORS SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED W/AIR.IGNITION MAY OCCUR AT\*\*

Other Precautions:\*\*TEMP BELOW AUTOIGNIT TEMP.IGNIT TEMP DECREASE  
W/INCREASING VAPOR VOLUME & VAPOR/AIR CONTACT TIME & PRESSR  
CHANGE.HOT VAPOR MAY IGNITE W/AIR BELOW AUTOIGNITN.IGNITN MAY OCCUR  
AT HIGH TEMP W/SUDDEN IN GRESS OR ESCAPE OF VAPORS TO ATMOSPHERE.

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

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO  
MAINTAIN VAPOR CONCENTRATIONS BELOW ESTABLISHED TLV LIMIT AS GIVEN  
BY OSHA. IN

MORE CONFINED AREAS A NIOSH-MSHA APPROVED EQUIPMENT  
WITH ORGANIC VAPOR CAR TRIDGE SHOULD BE WORN.

Ventilation:MUST PROVIDE ADEQUATE VENTILATION, SEE RESPIRATORY  
PROTECTION.

Protective Gloves:USE RUBBER GLOVES.

Eye Protection:WEAR APPROVED SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:HAVE EYE BATH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING AND SHOES. DO NOT  
REUSE CONTAMINATED CLOTHING OR SHOES.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:174 TO 232F

Vapor Density:> AIR

Spec Gravity:1.03

Viscosity:>200 CS

Evaporation Rate & Reference:3.42 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR LIQUID / SOLVENT ODOR

Percent Volatiles by Volume:40.0

Corrosion Rate:NOT CORR

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

Stability Indicator/Materials to Avoid:YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS AND STRON  
G ALKALIES.

Stability Condition to Avoid:AVOID HEAT, SPARKS, OPEN FLAMES AND  
INCOMPATIBILITIES.

Hazardous Decomposition Products:INCOMPLETE COMBUSTION FOR PRODUCTS  
LIKE THIS MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND OTHER  
TOXIC GASES.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT  
LOCAL, STATE, AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL  
FACILITY. EPA HAZARDOUS WASTE CO

DE: D001. HAZARDOUS WASTE

CHARACTERISTIC: IGNITABLE. DISPOSAL METHODS: FUEL CONSUMPTION.

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