

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

Product ID:TT-C-535 B CLEAR EPOXY MO-054

MSDS Date:11/09/1989

FSC:8010

NIIN:00-990-8256

Kit Part:Y

MSDS Number: BHNBJ

=== 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:312-433-1307

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

State:IL

ZIP:60609

Country:US

Phone:312-376-7132

CAGE:5V430

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 5-20%

OSHA PEL:200 PPM/150 STEL

ACGI

H TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ACETATE (SARA III)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 20-50%
OSHA PEL:150 PPM/200 STEL
ACGIH TLV:150 PPM/200STEL;9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 5-20%
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

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

Routes of Entry: Inhal
ation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:WARNING: CARE MUST BE TAKEN NOT TO
EXCEED THE EXPOSURE LIMIT FOR THE LOWEST TLV SHOWN. WHEN IN DOUBT.
WEAR AN APPROVED RESPIRATOR & ORDER AIR SAMPLING TEST.
Explanation of Carcinogenicity:MAY CONTAIN TRACE AMOUNTS OF SOME CHEM
KNOWN TO THE STATE OFCA TO BE CARCINOGENS OR REPRODUCTIVE TOXINS
Effects of Overexposure:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS.
INCLUDING: 1-ACUTE TOXICITY, RESULTINGHEADACHE, DIZZ, NAUS
EA, LOSS
OF CONSC. 2-EYE IRR. 3-IRRI MUCOUS MEMBRANES. 4-VO-MITING DUE TO
INGESTION. 5-DEFATT & DRY SKIN, WHICH MAY RESULT IN IRRI &
DER-MATITIS.

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

First Aid:EYE: FLUSH W/PLENTY OF CLEAN LUKEWARM WTR 15 MIN, LIFT LIDS.
GET MED ATTN. INHALREMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN/CPR
IF NEEDED. GET MED ATTN. KEEP VITIM WARM & QUIET. NEVER GIVE TO
UNCONSC PERSON. INGES: DO NOT INDUCE VOMIT. IFOCCURS, K

EEP HEAD

BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS. GET MED ATTN. IF
ALERT ADMIN LUKEWARM WTR (PINT) SKIN: FLUSH W/WTR, WASH SOAP & WTR.
GET MED.

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

Flash Point Method:SCC

Flash Point:81 F/ 27.22 C

Lower Limits:1.2

Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL

Fire Fighting Procedures:USE WATER TO KEEP EXPOSED CONT COOL & KEEP
FLAMM STRUCT WET. DON'T ENTER FIRE AREA WITHOUT PROTECTION,
HAZARDOUS DECOMPO

SITION PRODUCTS MAY BE PRESENT.

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

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

Spill Release Procedures:WARNING-FLAMMABLE. ELIM ALL IGNITION SOURCES.
HANDLING EQUIP MUST BE GROUNDED. SOAK UP WITH AN ABSORBENT & PLACE
IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISPOSAL

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

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Handling and Storage Precautions:TREAT AS A HAZARDOUS-FLAMMABLE
MATERIAL. KNOW APPLICABLE D.O.T. REG BEFORE ATTEMPTING TO TRANSPORT
THIS MATERIAL

Other Precautions:NOTE: ALL INFO & OPINIONS IN THIS REPORT ARE BASED ON
EXPERIENCE & COMPUTER PROGRAM WHICH WE BELIEVE TO BE RELIABLE. WE
BELIEVE THAT THE INFO CONTAINED HEREIN IS CURRENT AS OF THE DATE
OF THIS REPORT .

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

Respiratory Protection:IMPORTANT-MUST P

ROVIDE ADEQUATE VENT TO MAINTAIN

VAPOR CONCENTRATIONS BELOW THE ESTAB TLV LIMIT AS GIVE BY OSHA.
CONFINED AREAS NIOSH/MSHA APPROVED RESPIRATOR EQUIPPED WITH
ORGANIC VAPOR CARTRIDGE SH OULD BE WORN.

Ventilation:ADEQUATE VENT. SEE ABOVE

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES &/OR FACE SHIELD

Other Protective Equipment:HAVE EYE BATH AVAILABLE

Supplemental Safety and Health

WARNING: THIS PRODUCT MAY CONTAIN TRACE AMOUNTS OF SOME CHEMICALS KNOWN
TO THE STATE O

F CALIFORNIA TO BE CARCINOGENS OF REPRODUCTIVE
TOXINS.

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

Boiling Pt:B.P. Text:124-232 F
Vapor Density:> AIR
Evaporation Rate & Reference:2.55 X N-BUTYL ACETATE
Appearance and Odor:CLEAR LIQUID
Percent Volatiles by Volume:64.1

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

Stability Indicator/Materials to Avoid:YES
MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS & STRONG ALKALIES
Stability Condition to A
void:HEAT, SPARKS, OPEN FLAMES, &
INCOMPATIBILITIES ABOVE HIGH TEMP. STRONG OXIDIZING COND. EXTEND
CONTACT WITH AIR/OXYGEN
Hazardous Decomposition Products:INCOMPLETE COMB FOR PRODUCTS LIKE THIS
MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE & OTHER TOXIC GASES
Conditions to Avoid Polymerization:MAY BE INCOMPATIBLE WITH OXIDIZING
AGENTS & STRONG ALKALIES

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WIT
H CURRENT
LOCAL,STATE AND FEDERAL REGULATION. CONTACT AN APPROVED DISPOSAL
FACILITY.

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