

CRAWFORD LABORATORIES, INC. -- TT-C-535 B CLEAR EPOXY MO-054 -- 8010-00-990-8256
===== 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:312-37
6-7132
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
ACGIH 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

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rds Identification =====

Routes of Entry: Inhalation: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 EFFECT S.
INCLUDING: 1-ACUTE TOXICITY, RESULTINGHEADACHE, DIZZ, NAUSEA, 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.

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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 GIV

E TO

UNCONSC PERSON. INGES: DO NOT INDUCE VOMIT. IF OCCURS, KEEP 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.

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===== 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 DECOMPOSITION PRODUCTS MAY BE PRESENT.

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

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===== 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

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

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 .

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

Respiratory Protection:IMPORTANT-MUST PROVIDE 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 OF 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 Avoid: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 =====

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

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