

CRAWFORD LABORATORIES, INC. -- EPOXY, PART A -- 8010-01-313-8700

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Product Identification
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Product ID:EPOXY, PART A

MSDS Date:03/09/1992

FSC:8010

NIIN:01-313-8700

Kit Part:Y

MSDS Number: BNKSZ

=== 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:800-4

24-9300(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

State:IL

ZIP:60609

Country:US

Phone:312-376-7132

CAGE:5V430

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Composition/Information on Ingredients
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Ingred Name:METHYL ETHYL KETONE (SARA

313) (VAPOR PRESSURE 71.2 MM HG)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: < 5%.
Other REC Limits:NONE SPECIFIED
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: 35%.
Other REC Limits:NONE SPECIFIED

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 15%.
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT
Rpt Qty:1000 LBS

Ingred Name:VOC: 212 G/L
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 460 G/L
RTECS #:9999999VO
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:ACUTE TOXICITY, RESULTING IN HEADACHE,
DIZZINESS, NAUSEA AND LOSS OF CONSCIOUSNESS.
Effects of Overexposure:SEVERE EYE IRRITATION POSSIBLY RESULTING IN
PERMANENT D

AMAGE. IRRITATED MUCOUS MEMBRANES. INGEST: VOMITING.
DEFATTING AND DRYING OF THE SKIN. SENSITIZATION AFTER REPEATED
CONTACT. VERY UNLIKELY THAT N ORMAL WK OPERATIONS W/THIS RESIN
COULD PRODUCE ATOMOSPHERIC CONC APPROACHING OSHA LIMIT. HAS CAUSED
CANCER IN LAB ANIMAL

=====
First Aid Measures
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First Aid:EYE: FLUSH W/CLEAN LOW PRESS WTR FOR 15 MIN., OCCAS LIFT
LIDS. GET MED AID. INHAL: RMV TO FRESH AIR, PROVIDE FRESH OXYGEN IF
BRE
ATH DIFFICULT. GIVE ARTIFICIAL RESP IF STOP BREATH. KEEP
WARM/COMFY. NEV ER GIVE AN UNCONSCIOUS PERSON LIQ. GET MED AID.
INGEST: IF SWALLOWED CALL DR IMMED. ONLY INDUCE VOMITING ON
INSTRUCT OF DR. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW
HIPS TO PREVENT ASPIR OF##

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Fire Fighting Measures
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Flash Point Method:SCC
Flash Point:22 F
Lower Limits:1.2
Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL.
CORROSIVE TO METAL
Fi
re Fighting Procedures:MAY USE WTR TO KEEP EXPOSED CNTNRS COOL/TO
KEEP FLAMM STRUCTURES WET. DO NOT ENTER FIRE AREA WITHOUT PROPER
PROTECTION AS HAZARDOUS DECOMP PROD 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
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Spill Release Procedures:WARNING FLAMMABLE. ELIMINATE ALL IGNITION
SOURCES. HANDLING EQUIPMENT MUST BE GR
OUNDED TO PREVENT SPARKING.
SOAK UP WITH AN ABSORBENT AND PLACE IN NON-LEAKING CONTAINERS. SEAL
TIGHTLY FOR PROPER DISPO SAL.
Neutralizing Agent:N/K ##LIQ INTO THE LUNGS. NEVER GIVE ANYTHING BY
MOUTH TO AN UNCONSCIOUS PERSON

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Handling and Storage
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Handling and Storage Precautions:TREAT AS HAZARD-FLAMM MAT'L. KNOW
APPLICABLE D.O.T. REG BEFORE ATTEMPTING TO TRANSPORT THIS MAT'L.
HOT ORGANIC CHEM VAPORS/MISTS ARE SUSCEPTIBLE TO**

Ot

her Precautions:*/& SHOES. WASH W/SOAP & WTR. DO NOT REUSE CONTAM
ITEMS. IF IRRIT PERSISTS, GET MED AID. **SUDDEN SPONTANEOUS
COMBUSTION WHEN MIXED W/AIR. IGNIT MAY OCCUR AT TEMP BELOW
PUBLISHED. IGNIT TEMP DECRE ASE W/INCREASING VAPOR VOL &
VAPOR/AIR**

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

Respiratory Protection:MUST PROVIDE ADEQUATE VENTILATION TO MAINTAIN
VAPOR CONCENTRATION BELOW THE ESTABLISHED TLV LIMIT AS GIVEN BY
OSHA. IN MORE C

ONFINED AREAS A NIOSH-MSHA APPROVED RESPIRATOR
EQUIPPED WITH ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Ventilation:MUST PROVIDE ADEQUATE VENT. IN CONFINED AREAS A NIOSH-MSHA
APPROVED RESP EQUIP W/ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Protective Gloves:RUBBER GLOVES.

Eye Protection:SAFETY GOGGLES AND/OR FACE SHIELD.

Other Protective Equipment:EYE BATH AND SAFETY SHOWER.

**CONTACT TIME & ARE INFLUENCED BY PRESSURE CHANGES.

IGNITION MAY**

Work Hygienic Practices:N/K **OC

CUR AT TYPICAL ELEVATED TEMP PROCESS

CONDITIONS ESPECIALLY IN PROCESS OPERATING UNDER VACUUM IF
SUBJECTED TO**

Supplemental Safety and Health

**SUDDEN INGRESS OF AIR, OR OUTSIDE PROCESS EQUIPMENT OPERATING UNDER
ELEVATED PRESSURE IF SUDDEN ESCAPE OF VAPORS OR MISTS TO THE
ATMOSPHERE OCCURS. ANY PROPOSED USE OF THIS PRODUCT IN ELEVATED
TEMPE RATURE PROCESSES SHOULD BE EVALUATED TOASSURE SAFE OPERATING
CONDITIONS ARE ESTABLISHED AND MAINTAINED.

===== Physical

/Chemical Properties =====

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

Vapor Density:> THAN AIR

Spec Gravity:1.09

Viscosity:108 KU

Evaporation Rate & Reference:2.24 X N-BUTYL ACETATE

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR LIQUID, SOLVENT ODOR.

Percent Volatiles by Volume:24.7

Corrosion Rate:NOT

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

Stability Indicator/Materials to Avoid:YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS AND STRONG ALKALIES.

Stabili

ty Condition to Avoid:AVOID HEAT, SPARKS, OPEN FLAMES AND
INCOMPATIBILITIES SUCH AS OXIDIZING AGENTS AND STRONG ALKALIES.
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 REGULATION. CONTACT AN APPROVED DISPOSAL
FACILITY

. *ASPIRATION OF LIQ INTO LUNGS. NEVER GIVE ANYTHING BY
MOUTH TO UNCONCSIOUS PERS ON. SKIN: FLUSH W/WTR WHILE REMOVING
CONTAM CLOTH*

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