

CRAWFORD LABORATORIES, INC -- EPOXY -- 8010-01-414-8429

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

Product ID:EPOXY
MSDS Date:03/07/1996
FSC:8010
NIIN:01-414-8429
Status Code:A
MSDS Number: CKPSH
=== 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
Prepare
r's Name:DAVID SCHMETTERER
Chemtrec Ind/Phone:(800)424-9300
CAGE:5V430

=== Contractor Identification ===

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:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
= Wt:11.
OSHA PEL:100 PPM
ACGIH STEL:200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:100 SOLVENT

CAS:64742-95-6
RTECS #:WF3400000
= Wt:3.8
OSHA PEL:50 PPM
ACGIH STEL:50 PPM

Ingred Name:EPOXY RESIN
CAS:25085-99-8
= Wt:14.

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
= Wt:3.6
OSHA PEL:100 PPM
ACGIH STEL:100 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SILICONE DIOXIDE
CAS:14808-60-7
RTECS #:VV7330000
= Wt:1.9
OSHA PEL:0.1 MG/M3

Ingred Name:DILUENT 8
CAS:68609-97-2
= Wt:2.9

Ingred Name:DIATOMACEOUS EARTH
CAS:68855-54-9
= Wt:7.8

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

Effects of Overexposure:OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS, INCLUDING: 1-ACUTE TOXICITY, RESULTING IN HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF CONSCIOUSNESS. 2- SEVERE EYE IRRITATION POSSIBLY RESULTING IN PERMANENT DAMAGE. 3- IRRITATED MUCOUS MEMBRANES. 4- VOMITTING DUE TO INGESTION. 5- DEFATTING AND DRYING OF THE SKIN. 6- SENSITIZATION AFTER REPEATED CONTACT.

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

First A

id:EYE CONTACT-FLUSH WITH LUKEWARM LOW PRESSURE WATER FOR 15 MINUTES. OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION. -INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. KEEP VICTIM WARM AND COMFORTABLE. INGESTION: IF SWALLOWED, CALL PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITTING ON INSTRUCTIONS OF PHYSICIAN. IF VOMITTING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. -*

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

Flash Point Method:SCC

Flash Point:=-5.4C, 22.F
22F

Lower Limits:1.4

Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL. -

Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS COOL, AND TO KEEP FLAMMABLE STRUCTURES WET. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION BECAUSE HAZARDOUS DECOMPOSITION PRODUCTS MAY BE PRESENT. -

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

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

Spill Release Procedures: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 DISPOSAL.

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

Handling and Storage Precautions:TREAT AS A HAZARDOUS- FLAMMABLE MATERIAL.

Other Precautions:ANY PROPOSED USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ASSURE THAT SAFE OPERATING CONDITIONS ARE ESTABLISHED AND MAINTAINED.

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

Respiratory Protection:IMPORTANT MUST PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS B

BELOW THE ESTABLISHED TLV LIMIT AS
GIVEN BY OSHA. IN MORE CONFINED AREAS A KIOSH-MSHA APPROVED
RESPIRATOR EQUIPPED WITH ORGANIC VAPOR CARTRIDGE SHOULD BE WORN.

Ventilation: MUST PROVIDE ADEQUATE VENTILATION. -

Protective Gloves: USE RUBBER GLOVES. -

Eye Protection: WEAR APPROVED SAFETY GOGGLES AND/OR FACE SHIELD. -

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

Supplemental Safety and Health

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

=

Boiling Pt: >79.4C, 175.F

B.P. Text: 175-344F

Vapor Density: >AIR

Spec Gravity: 1.28

Viscosity: 73KU

Evaporation Rate & Reference: 3.31 X N-BUYTL ACETATE

Solubility in Water: SLIGHT

Appearance and Odor: GREY LIQUID/

Percent Volatiles by Volume: 36.4

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

Stability Indicator/Materials to Avoid: YES

MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS AND STRONG ALKALIES. -

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

COMPATIBILITIES ABOVE. -

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

===== Toxicological Information =====

Toxicological Information: SKIN CONTACT: FLUSH WATER WHILE REMOVING
CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. DO NOT REUSE
CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL
ATTENTION.

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

ions =====

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

===== MSDS Transport Information =====

Transport Information:KNOW APPLICABLE D.O.T. REGULATIONS BEFORE
ATTEMPTING TO TRANSPORT THIS MATERIAL .

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.