

16081 GRAY M8-046 EPOXY PART A

MSDS Number

BHFDC

National Stock Number

8010-01-053-2658

Product Name

16081 GRAY M8-046 EPOXY PART A

Manufacturer

CRAWFORD LABORATORIES INC

Product Identification

Product ID:16081 GRAY M8-046 EPOXY PART A

MSDS Date:10/16/1989

FSC:8010

NIIN:01-053-2658

Kit Part:Y

MSDS Number: BHFDC

Responsible Party

CRAWFORD LABORATORIES, INC.

4165 SOUTH EMERALD AVENUE

CHICAGO , IL 60609

US

Emergency Phone: 312-433-1307

Info Phone: 312-376-7132

Cage: DO165

Contractor

CRAWFORD LABORATORIES, INC

CHICAGO, IL 60609

US

312-376-7132

Cage: 5V430

Ingredients

METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS: 78-93-3

RTECS: EL6475000

Fraction By Weight: 5-20%

OSHA PEL200 PPM/300 STEL

ACGIH TLV: 200 PPM/300STEL 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

PROPYLENE GLYCOL MONOMETHYL ETHER

CAS: 107-98-2

RTECS: UB7700000

Fraction By Weight: 1-5%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

1-METHOXY-2-PROPANOL

CAS: 107-98-2

Fraction By Weight: 97%

2-METHOXY-1-PROPANOL

CAS: 1589-47-5

Fraction By Weight: 3%

N-BUTYL ACETATE (SARA III)

CAS: 123-86-4

RTECS: AF7350000

Fraction By Weight: 5-20%

OSHA PEL150 PPM/200 STEL

ACGIH TLV: 150 PPM/200STEL;9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

DENATURED ETHYL ALCOHOL

CAS: 64-17-5

Fraction By Weight: < 1%.

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: < 1%.

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ETHYL BENZENE (SARA III)

CAS: 100-41-4

RTECS: DA0700000

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

DIISOBUTYL KETONE

CAS: 108-83-8

RTECS: MJ5775000

Fraction By Weight: < 1%.

OSHA PEL50 PPM

ACGIH TLV: 25 PPM; 9293

SILICA, CRYSTALLINE - CRISTOBALITE

CAS: 14464-46-1

RTECS: VV7325000

Fraction By Weight: < 1%.

OSHA PELSEE TABLE Z3

ACGIH TLV: 0.05 MG/M3 RDUST9293

IAF COMPOUND

CAS: 7747-23-6

Fraction By Weight: < 1%.

ACGIH TLV: X PPM

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 5-20%

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

PM ACETATE

CAS: 108-65-6

Fraction By Weight: < 1%.

OSHA PELND

ACGIH TLV: ND

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

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. BY ANALOGY TO OTHER SIMILAR MATERIAL. THIS PRODUCT HAS THE POTENTIAL FOR SIGNIFICANT SKIN ABSORPTION. NO KNOWN DATA TO INDICATE POTENTIAL TOXICITY IF LONG CONTACT

Effects of Overexposure:PRODUCE VARIOUS EFFECTS: 1-ACUTE

TOXICITY-HEADACHE, DIZZINESS, NAUSEA, & LOSS OF CONSCIOUSNESS. 2-EYE
IRRI 3-IRRI MUCOUS MEMBRANES 4-VOMITING-INGESTION 5-DEFATTING &
DRYING OF SKIN. WHICH MAY RESULT IN IRRITATION AND DERMATITIS
Medical Cond Aggravated by Exposure:NK
INGESTED GET MED. ATTN. IF INGESTED LARGE QUANTITIES
& CONSCIOUS/ALERT. THEN ADMINISTER LUKEWARM WATER (PINT)

First Aid

First Aid:EYES: FLUSH W/PLENTY OF WTR 15 MIN. GET MED ATTN. INHALATION:
REMOVE TO FRESH AIR/OXYGEN IF BREATHING IS DIFF. GIVE CPR IF NOT
BREATHING. GET MED ATTN. KEEP QUIET. NEVER GIVE UNCONSCIOUS PERSON
LIQ UIDS. SKIN: FLUSH W/WATER, REMOVE CLOTHING. WASH W/SOAP & WTR.
DO NOT REUSE CLOTHS UNTIL CLEANED. IRRI PERSISTS. GET MEDATTN.
INGESTION: DO NOT INDUCE VOMIT, IF VOMIT, HEAD BELOW KNEES-SO NO
LIQ LUNGS

Fire Fighting

Flash Point Method:SCC
Flash Point:28 F -2.22 C
Upper Limits:0.8
Extinguishing Media:FOAM, CO2, OR DRY CHEMICAL
Fire Fighting Procedures:WATER MAY BE USED TO KEEP EXPOSED CONTAINERS
COOL/WET. DO NOT ENTER FIRE AREA W/OUT PROPER PROTECTION-HAZARDOUS
DECOMPOSITION PRODUCTS MAY BE PRESENT.
Unusual Fire/Explosion Hazard:WATER PRESSURE MAY SPREAD A FLAMMABLE
LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVER HEATED

Accidental Release

Spill Release Procedures:FLAMMABLE. ELIMINATE IGNITION SOURCES.
HANDLING EQUIP MUST BE GROUNDED TO PREVENT SPARKS. SOAK UP
W/ABSORBENT & PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR
PROPER DISPOSAL

Handling

Handling and Storage Precautions:HAZARDOUS-FLAMMABLE MATERIAL. KNOW
APPL D.O.T. REG BEFORE ATTEMPT TO TRANSPORT. HOT ORGANIC CHEM
VAPOR/MISTS ARE SUSEPTIBLE TO COMBUST WHEN MIXED-AIR
Other Precautions:IGNITION MAY OCCUR AT TEMP. BELOW THOSE PUBLISHED IN
THE LITERATURE AS "AUTOIGNITION" OR "IGNITION" TEMPERATURES.
IGNITION TEMP DECREASE WITH INCREASING VAPOR VOLUME & VAPOR/AIR
CONTACT TIME & ARE INFLUENCED BY PRESSURE CHANGES.

Exposure Controls

Respiratory Protection:IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO
MAINTAIN VAPOR CONCENTRATIONS BELOW THE ESTAB TLV LIMIT AS GIVEN
BY OSHA. CONFINED AREAS A NIOSH/MSHA APPROVED RESPIRATOR EQUIPPED
W/ORGANIC VAPOR CARTRIDGE SHOULD BE WORN
Ventilation:MUST PROVIDE ADEQUATE VENTILATION. SEE ABOVE
Protective Gloves:RUBBER GLOVES
Eye Protection:SAFETY GOGGLES &/OR FACE SHIELD
Other Protective Equipment:HAVE EYE BATH AVAILABLE
Work Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES
Supplemental Safety and Health
IGNITION MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS CONDITIONS.
ESPECIALLY IN PROCESS OPERATING UNDER VACUUM IF SUBJECTED TO SUDDEN
INGRESS OF AIR OR OUTSIDE PROCESS EQUIP OPERATING UNDER ELEVATED
PRESSURE IF SUDDEN ESCAPE OF VAPORS OR MIST TO THE ATMOSPHERE
OCCURS.

Chemical Properties

Boiling Pt:B.P. Text:124 - 343 F
Vapor Density:> AIR
Evaporation Rate & Reference:2.69 X N-BUTYL ACETATE
Appearance and Odor:GRAY LIQUID
Percent Volatiles by Volume:48.1

Stability

Stability Indicator/Materials to Avoid: YES
HEAT, SPARKS, OPEN FLAMES, & INCOMP ABOVE HIGH TEMP. STRONG OXIDIZING
COND. EXTENDED CONTACT WITH AIR/OXYGEN. ALKALIES
Hazardous Decomposition Products: INCOMPLETE COMBUSTION FOR PRODUCTS
LIKE THIS MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND OTHER
TOXIC GASES

Disposal

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

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