

Section I - IDENTIFICATION

TRADE NAME: EPIWELD® 560 part B

MANUFACTURER: Lambert Corporation
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Section II - HAZARDOUS INGREDIENTS

| <u>Hazardous Ingredients</u> | <u>CAS NUMBER</u> | <u>PEL OSHA (PPM)</u> | <u>TLV: ACGIH (PPM)</u> | <u>OTHER LIMITS</u> |
|---|-------------------|---------------------------|-----------------------------|-------------------------|
| Phenol, 4-Nonyl-, Branched | 84852-15-3 | N/A | N/A | |
| Tris (2,4,6 Dimethylaminomethyl) Phenol | 90-72-2 | N/E | 5ppm | SEE NOTE |
| Unsaturated Fatty Acids Dimers Polymer | 68082-29-1 | N/A | N/A | |
| Triethylene Tetramine | 112-24-3 | N/A | N/A | |
| Bis (Hexamethylene) Triamine | 143-23-7 | 2.3 mg/m ³ | N/A | |
| 1,2 - Diaminocyclohelene | 694-83-7 | N/A | N/A | |

****NOTE:** Listed substances indicated refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

GENERAL INFORMATION: This document supersedes all previous versions. To the best of our knowledge the information contained herein is correct. Lambert Corporation of Florida, Inc. assumes no responsibility for accuracy or completeness. User is responsible for suitability.

| HMIS | |
|---------------------|---|
| Health | 3 |
| Flammability | 2 |
| Reactivity | 0 |
| Personal Protection | F |

Section III - PHYSICAL DATA / CHEMICAL CHARACTERISTICS

| | | | |
|--------------------------------|---------------|---|---------------------------|
| <i>Boiling Point</i> | 390°F (199°C) | <i>Specific Gravity (H₂O = 1):</i> | 1.0 to 1.1 |
| <i>Vapor Pressure (mm Hg):</i> | 2mmgh | <i>Melting Point</i> | N/A |
| <i>Vapor Density (AIR=1):</i> | > 1 | <i>Evaporation Rate (Butyl Acetate = 1):</i> | < 1 |
| <i>Solubility in Water:</i> | Slight | <i>Appearance and Odor:</i> | Black Paste, Ammonia Odor |

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 93°C (200°F)

Flammable Limits: N/D

LEL: N/D

UEL: N/D

Extinguishing Media:

WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM, ALCOHOL-TYPE FOAM

Special Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SCBA, BUNKER COAT AND PANTS, BANDS AROUND ARMS, WAIST AND LEGS, FACE MASK AND PROTECTIVE COVERING FOR EXPOSED AREAS OF THE HEAD.

Unusual Fire and Explosion Hazards:

COMBUSTIBLE: COMBUSTION ALSO MAY OCCUR IN THE PRESENCE OF OTHER FUELS. HEATING CAN RELEASE VAPORS WHICH CAN BE IGNITED. HAZARDOUS GASES/VAPORS PRODUCED IN FIRE ARE CARBON MONOXIDE AND OXIDES OF NITROGEN.

Section V - REACTIVITY DATA

Stability: **STABLE**

Incompatibility (Conditions or Materials to Avoid):

STRONG OXIDIZING AGENT, REDUCING AGENTS, HEAT

Hazardous Decomposition of Byproducts:

CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN.

Hazardous Polymerization:

WILL NOT OCCUR

Conditions to Avoid:

N/A

Section VI - HEALTH HAZARD DATA

| | | |
|-------------------------|--------------------|-----------------------------|
| <i>Routes of Entry:</i> | <i>Eyes:</i> | SEVERE IRRITANT - CORROSIVE |
| | <i>Inhalation:</i> | IRRITANT |
| | <i>Skin:</i> | POTENTIAL ALLERGIC REACTION |
| | <i>Ingestion:</i> | NOT LIKELY |

Health Hazards (Acute and Chronic):

MAY BE IRRITATING TO THE EYES AND SKIN. CONTACT WITH HOT MATERIAL CAN CAUSE THERMAL BURNS. MAY CAUSE SKIN SENSITIZATION.

| | | |
|-------------------------|------------------|----|
| <i>Carcinogenicity:</i> | CLASSIFIED | NO |
| | NTP: | NO |
| | IARC Monographs: | NO |
| | OSHA Regulated: | NO |

Signs and Symptoms of Exposure:

REDNESS, SWELLING, PAIN, AND TEARING OF EYES. CLOUDY APPEARANCE OF CORNEA, IMPAIRED VISION AND POSSIBLY PERMANENTLY IMPAIRED VISION. REDNESS, BLISTERING, SWELLING, AND ITCHING OF SKIN. EMOTIONAL CHANGES, LACK OF COORDINATION, TREMORS, AND SENSORY LOSS. PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BURNS OF MOUTH, DIFFICULTY SWALLOWING, BLOOD IN VOMITUS AND BLOOD IN FECES AND ULCERATIONS.

Medical Conditions Generally Aggravated by Exposure:

ASTHMA, CHRONIC RESPIRATORY DISEASE, EYE DISEASE, SKIN DISORDERS AND ALLERGIES

Emergency & First Aid Procedures:

| | |
|-------------|---|
| INGESTION: | DO NOT INDUCE VOMITING. IMMEDIATELY GIVE 2 GLASSES OF WATER OR ACTIVATE CHARCOAL SLURRY. CALL A PHYSICIAN IMMEDIATELY. |
| EYES: | FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES |
| SKIN: | REMOVE PRODUCT AND IMMEDIATELY FLUSH AFFECTED AREA WITH WATER FOR AT LEAST 15 MINUTES. DESTROY CONTAMINATED LEATHER. COVER THE AFFECTED AREA WITH STERILE DRESSING AND TRANSPORT TO MEDICAL CARE. |
| INHALATION: | REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. |

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE*Steps to be taken in case Material is released or spilled:*

OBSERVE PRECAUTIONS FROM OTHER SECTIONS. VENTILATE AREA. CONTAIN SPILL. COVER WITH ABSORBENT MATERIAL. COLLECT SPILLED MATERIAL. CLEAN UP RESIDUE. PLACE IN AN APPROVED METAL CONTAINER. SEAL THE CONTAINER.

Waste Disposal Method:

CURE PRODUCT ACCORDING TO PRODUCT INSTRUCTIONS. INCINERATE UNCURED WASTE IN AN INDUSTRIAL OR COMMERCIAL INCINERATOR. DISPOSE OF COMPLETELY CURED IN A SANITARY LANDFILL.

Precautions to be Taken in Handling and Storage:

NONE

Other Precautions:

NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

FOR INDUSTRIAL USE ONLY

SHIPPING CLASS: 55

Section VIII - CONTROL MEASURES*Respiratory Protection (Type):*

FOLLOW OSHA/NIOSH RESPIRATORY STANDARD TO AVOID OVEREXPOSURE

Ventilation: Local Exhaust:

PROVIDE STANDARD INDUSTRIAL VENTILATION

*Mechanical (General):**Special:**Other:**Protective Gloves:*

NEOPRENE RUBBER, IMPERMEABLE, CUFFED BUTYL RUBBER, OR NITRILE RUBBER GLOVES

Eye Protection:

FULL FACE SHIELD WITH UN-VENTED GOGGLES UNDERNEATH

Other Protective Clothing or Equipment:

IMPERVIOUS CLOTHING, SLICKER SUIT, RUBBER BOOTS.

Work/Hygienic Practices:

PROVIDE READILY ACCESSIBLE EYE WASH STATIONS AND SAFETY SHOWERS. WASH AT THE END OF EACH WORK SHIFT AND BEFORE EATING, SMOKING, OR USING THE TOILET. PROMPTLY REMOVE CLOTHING THAT BECOMES CONTAMINATED. USE APPROPRIATE HAND AND SKIN LOTIONS TO PROTECT THE SKIN. DISCARD CONTAMINATED LEATHER ARTICLES.

Section V - REACTIVITY DATA**Stability: STABLE**

Incompatibility (Conditions or Materials to Avoid): STRONG ACIDS, STRONG BASES, STRONG OXIDIZING AGENTS, REDUCING AGENTS, AND/OR HEAT.

Hazardous Decomposition of Byproducts: CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES AND OXIDES OF NITROGEN.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: MASSES MORE THAN 1lb OF PRODUCT PLUS ALIPHATIC AMINE WILL CAUSE IRREVERSIBLE POLYMERIZATION WITH CONSIDERABLE HEAT BUILD-UP.

Section VI - HEALTH HAZARD DATA

Routes of Entry:

| | |
|--------------------|-------------------|
| <i>Eyes:</i> | MODERATE IRRITANT |
| <i>Inhalation:</i> | NOT EXPECTED |
| <i>Skin:</i> | MODERATE IRRITANT |
| <i>Ingestion:</i> | NOT LIKELY |

Health Hazards (Acute and Chronic):

MAY BE IRRITATING TO EYES AND SKIN. CONTACT WITH HOT MATERIAL CAN CAUSE THERMAL BURNS. MAY CAUSE SKIN SENSITIZATION.

| | | |
|-------------------------|------------------|----|
| <i>Carcinogenicity:</i> | CLASSIFIED | NO |
| | NTP: | NO |
| | IARC Monographs: | NO |
| | OSHA Regulated: | NO |

Signs and Symptoms of Exposure:

REPEATED AND/OR PROLONGED EXPOSURE MAY CAUSE SKIN SENSITIZATION, REPEATED EXPOSURES TO LOW MOLECULAR WEIGHT EPOXY RESINS OF THIS TYPE ARE NOT ANTICIPATED TO CAUSE ANY SIGNIFICANT ADVERSE EFFECTS.

Medical Conditions Generally Aggravated by Exposure:

ASTHMA, CHRONIC RESPIRATORY DISEASE (E.G. BRONCHITIS, EMPHYSEMA), EYE DISEASE, SKIN DISORDERS, AND ALLERGIES.

Emergency & First Aid Procedures:

INGESTION: NO HAZARDS ANTICIPATED FROM SWALLOWING SMALL AMOUNTS.

EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES

SKIN: IN CASE OF CONTACT WITH HOT PRODUCT, IMMEDIATELY FLOOD THE AFFECTED AREA WITH COLD WATER. WIPE EXCESS MATERIAL FROM EXPOSED AREA. FLUSH EXPOSED SKIN WITH WATER AND FOLLOW BY WASHING WITH SOAP IF AVAILABLE. CAREFULLY REMOVE CLOTHING; IF CLOTHING IS TUCK TO A BURN AREA, DO NOT PULL IT OFF, BUT CUT AROUND IT. COVER BURN AREA WITH CLEAN MATERIAL. SEEK MEDICAL HELP.

INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF NECESSARY.

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE*Steps to be taken in case Material is released or spilled:*

ABSORB WITH MATERIAL SUCH AS SAND, OR POLYPROPYLENE OR POLYETHYLENE FIBER PRODUCTS. COLLECT IN SUITABLE AND PROPERLY LABELED CONTAINERS. REMOVE RESIDUAL USING HOT SOAPY WATER. RESIDUAL CAN BE REMOVED WITH SOLVENT. SOLVENTS ARE NOT RECOMMENDED FOR CLEAN-UP UNLESS RECOMMENDED EXPOSURE GUIDELINES AND SAFE HANDLING PRACTICES FOR THE SPECIFIC SOLVENT ARE FOLLOWED.

Waste Disposal Method:

SOLIDIFY AND DISPOSE OF IN AN APPROVED INDUSTRIAL LANDFILL ACCORDING TO ALL FEDERAL STATE AND LOCAL REGULATIONS.

Precautions to be Taken in Handling and Storage:

WARNING: FLAMMABLE LIQUID / CORROSIVE LIQUID - CAN CAUSE IRRITATION AND SENSITIZATION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.

Other Precautions:

KEEP OUT OF SURFACE WATERS, SEWERS AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF AN EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR. THE REPORTABLE QUANTITY FOR A LEAK IS 50,000lbs WHICH IS BASED ON THE PRESENCE OF EPICHLOROHYDRIN AND APPROXIMATE OF 2-3ppm.

FOR INDUSTRIAL USE ONLY

SHIPPING CLASS: 55

Section VIII - CONTROL MEASURES

Respiratory Protection (Type): FOLLOW OSHA RESPIRATORY STANDARD TO AVOID OVEREXPOSURE

Ventilation: Local Exhaust: PROVIDE STANDARD INDUSTRIAL VENTILATION

Mechanical (General):

Special:

Other:

Protective Gloves: BUTYL; EVAL-LAMINATE

Eye Protection: WEAR CHEMICAL GOGGLES

Other Protective Clothing or Equipment: WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING

Work/Hygienic Practices: PROVIDE READILY ACCESSIBLE EYE WASH STATIONS AND SAFETY SHOWERS. WASH AT THE END OF EACH WORK SHIFT AND BEFORE EATING, SMOKING, OR USING THE TOILET. PROMPTLY REMOVE CLOTHING THAT BECOMES CONTAMINATED. USE APPROPRIATE HAND AND SKIN LOTIONS TO PROTECT SKIN. DISCARD CONTAMINATED LEATHER ARTICLES.