

Section I - IDENTIFICATION

TRADE NAME: EPIWELD® 580 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>
Proprietary Blend of, Aliphatic and Cyclaliphatic Amines and their Adducts		2.3 mg/m ³	0.5ppm	
Limestone**	1317-65-3	10.0 mg/m ³	N/E	See Note
Silica, Quartz**	14808-60-7	5.0 mg/m ³	N/E	See Note
Tris (2,4,6 Dimethylaminomethyl) Phenol	90-72-2	N/E	N/E	

****NOTE:** Exposure to Limestone, Silica and Quartz is applicable only when cured with Component "A" and sanded.

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>	350°F (176°C)	<i>Specific Gravity (H₂O = 1):</i>	1.54
<i>Vapor Pressure (mm Hg):</i>	< 1.06 mmhg	<i>Melting Point</i>	N/A
<i>Vapor Density (AIR=1):</i>	N/A	<i>Evaporation Rate (Butyl Acetate = 1):</i>	< 1
<i>Solubility in Water:</i>	Complete	<i>Appearance and Odor:</i>	Gray mobile liquid, Irritating Odor

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 110°C (230°F)

Flammable Limits: N/D

LEL: N/D

UEL: N/D

Extinguishing Media:

IGNITION WILL GIVE RISE TO A CLASS B FIRE. IN CASE OF LARGE FIRE USE: ALCOHOL FOAM, WATER SPRAY. IN CASE OF SMALL FIRE USE: CARBON DIOXIDE (CO₂), DRY CHEMICAL, DRY SAND OR LIMESTONE.

Special Fire Fighting Procedures:

IGNITION WILL GIVE RISE TO A CLASS B FIRE. IN CASE OF LARGE FIRE USE: ALCOHOL FOAM, WATER SPRAY. IN CASE OF SMALL FIRE USE: CARBON DIOXIDE (CO₂), DRY CHEMICAL, DRY SAND OR LIMESTONE.

Unusual Fire and Explosion Hazards:

MAY GENERATE TOXIC OR IRRITATING COMBUSTION PRODUCTS. CONTACT OF LIQUID WITH SKIN MUST BE PREVENTED. SUDDEN REACTION AND FIRE MAY RESULT IF PRODUCT IS MIXED WITH OXIDIZING AGENT. MAY GENERATE CARBON MONOXIDE, TOXIC NITROGEN OXIDE, AND/OR AMMONIA GASES. PERSONNEL IN VICINITY AND DOWNWIND SHOULD BE EVACUATED.

Section V - REACTIVITY DATA

Stability:

STABLE

Incompatibility (Conditions or Materials to Avoid):

MINERAL ACIDS, ORGANIC ACIDS. OXIDIZING AGENTS, REACTIVE METALS, SODIUM OR CALCIUM HYPOCHLORITE. PRODUCT SLOWLY CORRODES COPPER, ALUMINUM, ZINC, AND GALVANIZED SURFACES. REACTION WITH PEROXIDES MAY RESULT IN VIOLENT DECOMPOSITION OF PEROXIDE POSSIBLY CREATING AN EXPLOSION. MATERIALS REACTIVE WITH HYDROXYL COMPOUNDS. A REACTION ACCOMPANIED BY LARGE HEAT RELEASE OCCURS WHEN THE PRODUCT IS MIXED WITH ACIDS. HEAT GENERATED MAY BE SUFFICIENT TO CAUSE VIGOROUS BOILING CREATING HAZARD DUE TO SPLASHING OR SPLATTERING OF HOT MATERIAL.

Hazardous Decomposition of Byproducts:

NITROGEN OXIDE CAN REACT WITH WATER VAPORS TO FORM CORROSIVE NITRIC ACID. CARBON MONOXIDE IN A FIRE. AMMONIA WHEN HEATED. NITROGEN OXIDES IN A FIRE. IRRITATING AND TOXIC FUMES AT ELEVATED TEMPERATURES. NITRIC ACID IN A FIRE. ALDEHYDES.

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>	SEVERE IRRITANT - CORROSIVE
	<i>Skin:</i>	SEVERE IRRITANT - CORROSIVE
	<i>Ingestion:</i>	HARMFUL IS SWALLOWED

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:

PRODUCT VAPOR IN LOW CONCENTRATIONS CAN CAUSE LACRIMATION, CONJUNCTIVITIS AND CORNEAL EDEMA WHEN ABSORBED INTO THE TISSUE OF THE EYE. CORNEAL EDEMA MAY GIVE RISE TO A PERCEPTION OF "BLUE HAZE" OR "FOG" AROUND LIGHTS. THE EFFECT IS TRANSIENT AND HAS NO KNOWN RESIDUAL EFFECT. BURNS OF THE EYE MAY CAUSE BLINDNESS. CONTACT WITH SKIN MAY CAUSE DRYNESS, ITCHING, AND/OR RASH. CONTACT OF UNDILUTED PRODUCT WITH THE EYES OR SKIN QUICKLY CAUSES SEVERE IRRITATION AND PAIN AND MAY CAUSE BURNS, NECROSIS AND PERMANENT INJURY. INHALATION OF VAPORS MAY SEVERELY DAMAGE CONTACTED TISSUE AND PRODUCE SCARRING. INHALATION OF AEROSOLS AND MISTS MAY SEVERELY DAMAGE CONTACTED TISSUE AND PRODUCE SCARRING. RISK OF EXPOSURE TO HAZARDOUS CONCENTRATIONS OF VAPOR UNDER NORMAL WORKING CONDITIONS IN A WELL-VENTILATED SPACE IS MINIMAL. HOWEVER, CONDITIONS SUCH AS SPRAYING, OR SUDDEN RELEASE OF HOT LIQUID, WHICH GENERATE AN AEROSOL, MISTS OR FOG SHOULD BE AVOIDED. PRODUCT IS ABSORBED THROUGH THE SKIN AND MAY CAUSE NAUSEA, HEADACHE AND GENERAL DISCOMFORT.

Medical Conditions Generally Aggravated by Exposure:

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

Emergency & First Aid Procedures:

INGESTION:	ADMINISTER 3 - 4 GLASSES OF MILK. DO NOT INDUCE VOMITING. SEEK MEDICAL HELP.
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:*

STOP THE LEAK IF POSSIBLE. VENTILATE THE SPACE INVOLVED. REDUCE VAPOR SPREADING WITH A WATER SPRAY. SHUT OFF OR REMOVE ALL SOURCES. CONSTRUCT A DIKE TO PREVENT SPREADING. IF RECOVERY IS NOT FEASIBLE, ADMIX WITH DRY SOIL, SAND, OR NON-REACTIVE ABSORBENT AND PLACE IN AN APPROPRIATE CHEMICAL WASTE CONTAINER. TRANSFER CONTAINERS BY SUCTION, PREPARATORY FOR LATER DISPOSAL. FLUSH AREA WITH WATER SPRAY. CLEAN-UP PERSONNEL MUST BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND BUTYL RUBBER PROTECTIVE CLOTHING.

Waste Disposal Method:

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

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 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: *Eyes:* MODERATE IRRITANT

Inhalation: NOT EXPECTED

Skin: MODERATE IRRITANT

Ingestion: 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.

Carcinogenicity: 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.