

SILPAK, INC.

470 E. BONITA AVE. POMONA, CA 91767
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MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER: SILPAK, INC.
ADDRESS: 470 E. BONITA AVE. POMONA, CA 91767
EMERGENCY TELEPHONE #: 909-625-0056
CHEMICAL NAME AND SYNONYMS: Bisphenol A/Epichlorohydrin Resin
TRADE NAME AND SYNONYMS: E-108 WC
CHEMICAL FAMILY: Epoxy Resin mixture
FORMULA: Proprietary, NON- HAZARDOUS
CALIFORNIA PROP 65- LISTED (PHENYL GLYCIDYL ETHER CAS# 122-80-1)

SECTION I HAZARDOUS INGREDIENTS

BISPHENOL A / EPICHIORHYDRIN RESIN: CAS# 25068-38-6 75-80%
ALKL GLYCIDYL ETHER CAS# 68609-96-1 20-25%

SECTION III PHYSICAL DATA

BOILING POINT (F): N/A **SPECIFIC GRAVITY (H2O=1):** 1.17
VAPOR PRESSURE (mm Hg): N/A
PERCENT VOLATILE BY VOLUME (%): N/A
VAPOR DENSITY (AIR=1): N/A
EVAPORATION RATE (nBuAc=1): N/A
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Translucent-transparent

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 242 C (Pensky-Martens closed cup)
FLAMMABLE LIMITS % volume in air: Lel - N/AV, Uel - N/AV
EXTINGUISHING MEDIA: Water fog, foam, dry chemicals or CO2.
SPECIAL FIRE FIGHTING PROCEDURES: Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers, equipment and structures with water.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V HEALTH HAZARD DATA

EYE CONTACT: Based on product testing, product is moderately irritation to the eyes.
SKIN CONTACT: Based on product testing, product is moderately irritating to the skin. Based on product testing, product may cause skin sensitization.
INHALATION: Because of its very low volatility, this product is not likely to produce any adverse effects by inhalation.
INGESTION: Based on product testing, product is generally considered to have a low order of acute oral toxicity.
SIGNS AND SYMPTOMS: Irritation as noted. Skin sensitization (allergy) may be evidenced by rashes, especially hives.
AGGRAVATED MEDICAL CONDITIONS: Preexisting skin allergies may increase the chance of developing increased allergy symptoms from exposure to this product. Preexisting skin and eye disorders may be aggravated by exposure to this product.

OTHER HEALTH EFFECTS: No other health effects are known.

Although the significance is unknown, a similar product has been shown to be mutagenic in some microbial tests, but has failed to show mutagenicity in others. Chromosomal aberrations were observed in cultured rat liver cells.

SECTION VI REACTIVITY DATA

STABILITY: Stable

CONDITIONS AND MATERIALS TO AVOID: Can react vigorously with strong oxidizing agents and strong Lewis or mineral acids. In reactions with many curing agents, considerable heat is released.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes and acids may be formed during combustion. Reaction with some curing agents may produce considerable heat.

SECTION VII**SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: May burn, although not readily ignitable. Use cautious judgment when cleaning up large spills. When cleaning large spills, wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; dispose of properly. Flush area with water to remove trace residue. Small spills: Take up with an absorbent material and dispose of properly.

WASTE DISPOSAL METHOD: Place in an appropriate disposal facility in compliance with local regulations.

SECTION VIII**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (SPECIFY TYPE): Not ordinarily required. If resin is warmed or heated, vapors or mists may be produced. In such cases, use a NIOSH-approved respirator as required to prevent overexposure. In accordance with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

PROTECTIVE CLOTHING: Avoid contact with eyes. Wear safety glasses or goggles as appropriate. Avoid prolonged or repeated contact with skin. Wear chemical-resistant gloves and other clothing as required to minimize contact.

ADDITIONAL PROTECTIVE MEASURES: Use ventilation as required to control vapor concentrations. (If heated, vapors or mist may be produced.)

SECTION IX SPECIAL PRECAUTIONS

Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Handle in accordance with the hazard potential or curing agent(s) used. Caution: May cause irritation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Wash thoroughly after handling. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed.

SARA 311/312 – Delayed (chronic) health hazard

TOXIC SUBSTANCE CONTROL ACT (TSCA) – This material is listed on the EPA/TSCA Inventory of chemical substances.

U.S. DEPARTMENT OF TRANSPORTATION CLASSIFICATION

This material is not subject to DOT regulations under 49 CFR parts 171-180

CHEM TREC – 24 HOUR EMERGENCY ASSISTANCE - 1-800-262-8200

OTHER PRECAUTIONS: NONE KNOWN

Prepared by: Philip J. Galameau 1/3/02