



Material Safety Data Sheet

EMERGENCY CONTACTS

Spills, leaks, fire or exposure call Chemtrec: (800) 424-9300

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Karnak-Sil Epoxy Primer - B**
Product Use: Epoxy Primer
Manufacturer: KARNAK Corporation
330 Central Avenue
Clark, NJ 07066

(800) 526.4236

HMIS® Rating:

Health	1
Flammability	1
Reactivity	0
Personal Protection	X

0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

Section 2: HAZARDS IDENTIFICATION:

The ingredients in this material are classified as **Non-hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).**

Potential Acute Health Effects

Eyes: May cause irritation with symptoms of reddening, tearing, stinging and swelling.

Skin: May cause irritation.

Inhalation: If breathing vapor while spraying may cause respiratory tract irritation.

Ingestion: May include burns or abdominal pain, nausea, vomiting, and diarrhea if swallowed.

General Information: Read the entire MSDS for a more thorough evaluation of the hazards.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	Content
Polyamide Resin	68410-23-1	5-25%
Aromatic Petroleum Distillates	64742-95-6	3-8%

Section 4: FIRST AID MEASURES

General rules, in case of doubt or if symptoms persist, always call a doctor.

Inhalation: If inhaled, remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, obtain medical advice.

Ingestion: Do NOT induce vomiting without medical advice. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Skin contact: Immediately remove contaminated clothing and shoes. Wash affected areas, including hair, beneath nails and other concealed areas with soap and water. Get medical attention if symptoms occur.

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media: Extinguish preferably with dry chemical, carbon dioxide or foam. Waterspray/mist may be used. Do not use water jet.

Special Protective Equipment for Fire-fighters: Wear self-contained breathing apparatus. Extinguish all sources of ignition.

Products of Combustion: Thermal decomposition products are toxic and may include oxides of carbon and nitrogen, various hydrocarbons and other irritating or toxic gases.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear personal protective equipment. Avoid breathing vapor while spraying. Ensure adequate ventilation. Remove contaminated clothes as soon as possible.

Environmental: Prevent spills to enter and spread to drains, sewers, water courses, and soil.

Spill Clean Up Methods: Absorb leaking product with sand, earth or other suitable inert material and collect. Dispose of material in accordance with local and provincial standards.

Section 7: HANDLING AND STORAGE

Usage Precautions: Avoid spilling, skin and eye contact. Provide good ventilation. Persons susceptible for allergic reactions should not handle this product. Keep from contact with strong oxidizing materials. Do not get on skin or clothing. Do not get in eyes. Do not breathe vapors or spray mist.

Storage Precautions: Store in tightly closed container and avoid freezing.

Storage: Store at ambient temperature, or between 32 and 98 degrees F. Keep in original container.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: Exposure via the air and normal handling.

Polyamide Resin (CAS # 68410-23-1) Exposure Limit (ACGIH and TLV): None established

Aromatic Petroleum Distillates (CAS # 64742-95-6) Exposure Limit (ACGIH and TLV): None established

Engineering Measures: Use local and general exhaust ventilation to minimize airborne concentrations. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operation procedures demand it.

Personal Protective Equipment:

Respiratory Equipment: If the product is heated or sprayed under manual handling, use NIOSH approved, air-purifying respirator with organic vapor cartridges and N-95 filters. Full face-piece is recommended. None required under normal conditions of use.

Body and Hands Protection: Wear suitable gloves: neoprene, nitrile or acrylonitrilebutadiene rubber or PVC. Wear full chemical suit when manually spraying this material. Change suit or clean gloves if contaminated.

Eye Protection: Wear chemical safety goggles / full face shield if there is a potential for splashing.

Hygiene Measures: DO NOT SMOKE IN WORK AREA! Wash hands and any other area that may have been exposed at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark Gray Liquid

Odor: Aromatic odor

Color: Dark Gray

Flash Point: 144°F / (62°C)

Solubility in Water: Semi-soluble.

Specific Gravity: 1.405 g/ml

VOC: 110 g/L (aromatic petroleum distillates)

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions.

Conditions to Avoid: Strong acids and oxidizing agents

Hazardous Decomposition Products: Thermal decomposition products by fire are toxic and may include hydrocarbons and oxides of carbon and nitrogen.

Section 11: TOXICOLOGY INFORMATION

Toxicity Data: Polyamide Resin CAS # 68410-23-1 (5-25%)

Test	Species	Result
LD50, Oral	Rabbit	>16 ml/kg
LD50, Dermal	Rabbit	6.5 ml/kg

Potential Acute Health Effects (See Section 2)

Eyes: May cause irritation with symptoms of reddening, tearing, stinging and swelling.

Skin: May cause irritation.

Inhalation: If breathing vapor while spraying may cause respiratory tract irritation.

Ingestion: May include burns or abdominal pain, nausea, vomiting, and diarrhea if swallowed.

Potential Chronic Health Effects

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No data to suggest carcinogenetic potential.

Teratogenicity: No known significant effects or critical hazards.

Fertility Effects: No known significant effects or critical hazards.

Sensitization: No known data to suggest a risk of sensitization.

Section 12: ECOLOGICAL INFORMATION

Biodegradation: Not readily biodegradable.

Ecotoxicity: No information available.

Section 13: DISPOSAL CONSIDERATIONS

Not considered as hazardous waste by RCRA criteria (40 CFR 261). Dispose of waste material at an approved waste treatment facility in accordance with applicable local, state and national laws. Do not dispose of waste with normal garbage, or to sewer systems. Empty containers should be decontaminated and passed to an approved recycler.

Section 14: TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION: Roof Coating, Not Regulated.

49CFR: Applicable for domestic transportation by highway and rail, but not air or vessel (See 49 CFR 173.150 (F)(1) (Not regulated in containers containing less than 119 Gallons) (See 49 CFR 173.150 (F)(1)

Note: No reportable quantities (RQ) based on the minor composition of this component.

Section 15: REGULATORY INFORMATION

Federal Regulations

Hazardous Categories:

US Toxic Substances Control Act: All products are on the TSCA inventory

US EPA CERCLA Hazardous Substances (40 CFR 302): Components: No RQ components.

SARA Section 311/312:

Polyamide Resin: CAS# 68410-23-1; Acute Health Hazard

Aromatic Petroleum Distillates: CAS # 64742-95-6; Acute and Delayed Health Hazard; Fire

SARA Section 313: Aromatic Petroleum Distillates.

SARA Section 302: No ingredients of this product are listed.

State Regulations

California Proposition 65: There are benzene components in the aromatic petroleum distillates that are known to the state of California to cause birth defects or other reproductive harm.

Massachusetts, New Jersey or Pennsylvania Right to Know Substances Lists: Benzene compositions in the Aromatic Petroleum Distillates (3-8% composition).

HMIS-Hazardous Materials Identification System:

Health - 1 Flammability - 1 Physical Hazard - 0 PPE - B

NFPA – National fire Protection Association:

Health - 1 Fire - 1 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Section 16: OTHER INFORMATION

Glossary:

- ACGIH- American Conference of Governmental Industrial Hygienist
- IARC- International Agency for Research on Cancer
- MSHA- Mine Safety and Health Administration
- NIOSH- National Institute for Occupational Safety and Health
- NTP- National Toxicology Program
- OSHA- Occupational Safety and Health Administration

For Your Protection: KARNAK Corporation warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTY, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. THE USER SHOULD CONDUCT SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. Liability of KARNAK Corporation for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with proper shipping, handling, and storage procedures, and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.

End of Data Sheet