

# MATERIAL SAFETY DATA SHEET

Company Name: Superior Stone Products, Inc.  
**Product Name:** Superior E-5000 - Part A  
Issue Date: 1/01/04  
MSDS Number: SUP-90400 - 5000A



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **Superior E-5000 - Part A**  
Product Description: Epoxy Adhesive & Filler - Part A  
Product Code: 90400 - 5000A  
Chemical Family: Epoxy Resin

MANUFACTURER:  
Superior Stone Products, Inc.  
8580 Byron Commerce Drive  
Byron Center, MI 49315  
Customer Service: 800-493-5111

**24 Hour Emergency Telephone Number:**  
**CHEMTREC 800-424-9300**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>% by Weight</u>	<u>CAS Registry Number</u>
Bisphenol A/Epichlorohydrin based Epoxy Resin	90 - 100	025068-38-6

## 3. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause irritation. Liquid splashes may result in more serious injuries. May cause lachrymation (tears).  
SKIN: Product is moderately irritating to the skin. May cause skin sensitization.  
INGESTION: May cause gastrointestinal disturbances, pain and discomfort. Product has a low order of acute oral toxicity.  
INHALATION: Not likely to be an inhalation hazard.  
ROUTES OF ENTRY: Ingestion, inhalation and skin absorption.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

SKIN: Skin sensitization (allergy) may be evidenced by rashes, especially hives.

## 4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for 15 minutes. Seek immediate medical aid.  
SKIN: Remove contaminated clothing. Wash with soap and water. Consult a physician if any signs or symptoms described in this document occur. Wash contaminated clothing. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.  
INGESTION: DO NOT INDUCE VOMITING (aspiration hazard). Seek immediate medical aid.  
INHALATION: Remove victim from exposure. If victim is unconscious, administer artificial respiration and/or oxygen as needed. Seek medical aid.  
NOTES TO PHYSICIAN: In general, emesis induction is unnecessary in high viscosity, low volatility products like this system.

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## 5. FIRE FIGHTING MEASURES

Flashpoint and Method: 480F Penskey-Marten CC

EXTINGUISHING MEDIA: Water spray, foam, dry chemical, carbon dioxide or any Class B extinguishing agent.

FIRE FIGHTING PROCEDURES: Materials 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 with water.

## 6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place in a closed container. If large spill, dike the area to prevent this material from entering water systems or sewers. Dispose of hazardous waste only in a certified facility for hazardous waste handling in accordance with federal, state, and local regulations.

## 7. HANDLING AND STORAGE

GENERAL PROCEDURES: Read and observe all precautions on product label. Refer to product label or manufacturers technical bulletins for the proper use and handling of this material. Do not use or store near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container closed. Do not weld, heat or drill container. Emptied container still contains hazardous or explosive vapor or liquid.

Storage Temperature: 50F minimum to 100F maximum

SHELF LIFE: One (1) year when stored at room temperatures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

### PERSONAL PROTECTION

EYES AND FACE: Wear safety glasses, face shield or chemical goggles.

SKIN: Wear appropriate impervious gloves to prevent skin contact.

RESPIRATORY: If a TLV or PEL listed in this data sheet is exceeded, then suitable respiratory protection must be worn to prevent overexposure. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited.

PROTECTIVE CLOTHING: Wear protective clothing to prevent skin contact.

OTHER USE PRECAUTIONS: Eye wash station and safety shower should be available for emergency situations.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid  
Appearance: Very Light yellowish color.  
Boiling Point: >500F

## 10. STABILITY AND REACTIVITY

STABLE: Yes  
HAZARDOUS POLYMERIZATION: No  
CONDITIONS TO AVOID: Can react vigorously with strong oxidizing agents, strong lewis or mineral acids, and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat. Run-a-way cure reactions may char and decompose the resin system, generating unidentified fumes and vapors which may be toxic.  
HAZARDOUS DECOMPOSITION: Carbon monoxide, aldehydes, acids, and other organic substances may be formed during combustion or elevated (>500F) temperature degradation.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Skin: FOR EPOXY RESIN: The skin absorption LD50 in rabbits is 20ml/kg.  
Ingestion: FOR EPOXY RESIN: The oral LD50 in rats is 11,400mg/kg (Very low toxicity by ingestion).  
Inhalation: FOR EPOXY RESIN: No deaths in saturated air for 8 hour LC30 inhalation test on rats. This inhalation test may not be relevant due to low volatility of the resin.

### CARCINOGENICITY

IARC: The International Agency for Research on Cancer (IARC) has concluded that DGEBA (epoxy resin) is not classifiable as a carcinogen (IARC Group 3) based on the following:  
Human Evidence - Inadequate  
Animal Evidence - Inadequate

### MUTAGENICITY

This components of this epoxy resin system have proved to be inactive when tested by in vivo mutagenicity assays. The components have shown activity by in vitro microbial mutagenicity screening and have both produced chromosomal aberrations in cultured rat liver cells. The significance of this information to man is unknown.

## 12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: If this product becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations. For further information, contact your state or local solid waste agency or the United States Environmental Protection Agency's RCRA hotline (800-424-9346).

## 14. TRANSPORT INFORMATION

SPECIAL SHIPPING NOTES: Not hazardous by D.O.T. regulations.

## 15. REGULATORY INFORMATION

### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)  
311/312 Hazard Categories: H-1: Immediate (acute) health hazard.

TSCA (TOXIC SUBSTANCE CONTROL ACT)  
TSCA Status: Listed

### STATE REGULATIONS

PROPOSITION 65 STATEMENT: The following chemical contained in this product is listed by the State of California Safe Drinking Water and Toxics Enforcement Act List: Phenyl Glycidyl Ether (CAS 122-60-1) - 6 ppm

### REGULATIONS

State Regulations: The following chemical contained in this product is listed by the State of Massachusetts: Diglycidyl Ether (CAS 2238-07-5): 2 ppm

This product contains a chemical or chemicals known to the State of California to cause cancer and/or reproductive toxicity.

## 16. OTHER INFORMATION

### NFPA CODES

Fire: 1 Health: 2 Reactivity: 0

MANUFACTURER DISCLAIMER: This information is provided in good faith and is correct to the best of the manufacturers' knowledge as of the date hereof; however, the manufacturer makes no representation as to its completeness or accuracy. Customers are encouraged to make their own determination as to the suitability of this product for their purpose prior to use. The manufacturer disclaims responsibility to damages of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES.