

I. 24-HOUR EMERGENCY CONTACT INFORMATION

CHEM-TEL United States..... 800-255-3924
 International 813-248-0585

II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Component Identification	CASRN	OSHA PEL	ACGIH TLV	% (by weight)
Epoxy Resin	0025085-99-8	None Established		70 – 80
Epoxy Resin	0028064-14-4	None Established		15 – 25
Refractory Ceramic Fibers ⁽¹⁾	0142844-00-6	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	0.2 fibers/cc	4 – 8
Silicon Dioxide (SiO ₂) ⁽¹⁾	0112945-52-5	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	10 mg/m ³ (inhalable dust) 3 mg/m ³ (respirable dust)	1 – 3

(1) These materials are substantially incorporated into the mixture and exposure via inhalation is not likely to occur.

Product Description..... **EPOXY ADHESIVE**

III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point Not Determined
 Melting Point Not Determined
 Vapor Pressure Not Determined
 Vapor Density (Air = 1)..... Not Determined
 Specific Gravity (Water = 1)..... Not Determined
 Evaporation Rate (butyl acetate = 1) Not Determined
 pH..... Not Determined
 Appearance and Odor..... Gray Viscous Liquid, Epoxy Odor
 Odor Threshold Not Determined

IV. FIRE and EXPLOSION HAZARDS

Flash Point 424°F (218°C), Pinsky-Martens Closed Cup
 Autoignition Temperature..... Not Determined
 LEL / UEL..... Not Determined
 Extinguishing Media..... Foam, Dry Chemical, CO₂, Water Spray, Water Fog
 NFPA Ratings Health (1) – Flammability (1) – Reactivity (1)

Special Firefighting Procedures: Wear full bunker gear and a positive pressure, self-contained breathing apparatus. Cool containers that are exposed to fire by soaking outside of containers with water until well after fire is extinguished.

Fire and Explosion Hazards: Under fire conditions, polymers decompose. The smoke may contain polymer fragments of varying composition in addition to unidentified toxic and/or irritating compounds. Sealed containers may explode in fire.

V. REACTIVITY DATA

Stability..... Stable
 Hazardous Polymerization May occur at very high temperatures
 Conditions to Avoid Temperatures in excess of 662°F (350°C)

Incompatibilities..... Oxidizing Materials
Hazardous Decomposition Products Phenolics, CO, and CO₂

VI. HEALTH HAZARD DATA

Route(s) of Entry: Inhalation..... Unlikely
 Skin Yes
 Ingestion..... Not Expected

Acute (Short-Term) Health Effects: Upon direct contact may cause slight temporary eye irritation. Corneal injury is unlikely. May cause allergic skin reaction upon direct contact. Not expected to be absorbed through the skin in harmful amounts.

Chronic (Long-Term) Health Effects: Repeated or prolonged contact with the skin may cause dermatitis and skin sensitization.

Carcinogenicity: The NTP (National Toxicology Program) classifies respirable refractory ceramic fibers as reasonably anticipated to be a *carcinogen*. IARC (International Agency for Research on Cancer) classifies refractory ceramic fibers as a Group 2B (possibly *carcinogenic to humans*) carcinogen. OSHA does not classify any of this product's ingredients as carcinogens.

Signs and Symptoms of Exposure: Signs and symptoms following exposure to this product will generally be related to contact of the material with the skin and can include irritation, redness, and/or burning.

Medical Conditions Generally Aggravated by Exposure: Existing skin disorders may be aggravated upon exposure.

Emergency and First Aid Procedures:

- Inhalation:* No adverse effects anticipated.
- Skin Contact:* Gently wash all affected skin areas thoroughly with water soap and water. If irritation persists or burning sensation is evident, seek medical attention.
- Eye Contact:* Flush eyes with water for at least 15 minutes. If irritation persists or burning sensation is evident, seek immediate medical attention.
- Ingestion:* No adverse effects anticipated by this route of exposure incidental to proper handling.

HMIS Ratings..... Health (1) – Flammability (1) – Reactivity (1)

VII. PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken in Case Material is Released or Spill: Due to the high viscosity of this adhesive product and the relatively small end-use container sizes, significant spills are unlikely. However, if a spill does occur, do not allow spilled materials to enter storm sewers, sanitary sewers, or impact ground water. Place spilled materials in appropriate containers for disposal.

Waste Disposal Method: Disposal must be in accordance with applicable laws.

Precautions to be Taken in Handling and Storage: No specific precautions. Consult product literature or contact company representative for specific details.

VIII. CONTROL MEASURES

Respiratory Protection: None typically required, however, the user should consult the catalyst/amine MSDS for further protective measures when mixing.

Ventilation: A system of local and/or general exhaust is recommended.

Hand Protection: Gloves impervious to this material should be worn.

Eye Protection: ANSI-approved safety glasses with side shields or chemical goggles.

Other: Such clothing as to minimize or eliminate skin contact.

IX. REGULATORY INFORMATION (Not meant to be all-inclusive)

Hazardous Materials Transportation Act (HMTA)

When offered alone, this material should be classified as follows:

Proper Shipping Name.....Non-Regulated
Hazard Class.....Not Applicable
Identification Number.....Not Applicable
Packaging Group.....Not Applicable
Label Required.....Not Applicable

When offered with the catalyst within the same container, the classification is:

Proper Shipping Name..... Amines, Liquid, Corrosive, n.o.s., Mixture
(3,3'-(Oxybis (2,1-Ethanedioxy)) Bis-1-Propanamine)
Hazard Class..... 8
Identification Number..... UN2735
Packaging Group..... II
Label Required.....Corrosive

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This produce contains the following CERCLA Section 102(a) hazardous substance(s) as listed in 40 CFR 302.4:

Identity	CASRN	% (by weight)	Reportable Quantity (RQ)
None			

Superfund Amendment and Reauthorization Act (SARA)

This product contains the following SARA Title III Section 302 extremely hazardous substance(s) as listed in 40 CFR Part 355:

Identify	CASRN	% (by weight)
None		

SARA Title III Section 311/312 hazardous categorization:

This product has been reviewed according to the EPA hazard categories promulgated under SARA Title III Section 311 and 312 and is considered to meet the following hazard categories:

- An immediate (acute) health hazard
- A delayed (chronic) hazard

This product contains the following SARA Title III Section 313 toxic substance(s) as listed in 40 CFR Part 372:

Identify	CASRN	% (by weight)
None		

Toxic Substances Control Act (TSCA)

All ingredients are on the TSCA inventory or are not required to be on the inventory.

CATALYST / HARDENER INDEX

The material described in this MSDS is intended for use with the following:

DS 7000 SERIES PART B

Review literature supplied with product or contact Smith Fibercast for proper mixing ratios.

The information contained herein is believed to be accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information provided. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

SMITH FIBERCAST

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