

MATERIAL SAFETY DATA SHEET

CeramSurf PART A

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		15 - 20
Proprietary and non-hazardous fillers ⁽¹⁾	Proprietary Mixture	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)	Balance

⁽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 Red-Colored Paste, Epoxy Odor
Odor Threshold Not Determined

IV. FIRE and EXPLOSION HAZARDS

Flash Point 485°F (252°C), Pensky-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 Will Not Occur
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: This product may contain trace amounts (<0.009%) of formaldehyde. Formaldehyde is an OSHA regulated carcinogen. Formaldehyde is classified by the International Agency for Research on Cancer (IARC) as a group 2A (possibly carcinogenic to humans) carcinogen and the National Toxicology Program as a Group 2 (reasonably anticipated to be a human carcinogen) carcinogen).

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 NameAmines, Solid, Corrosive, n.o.s., Mixture
 (Triethylenetetramine)
 Hazard Class..... 8
 Identification Number UN3259
 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)
Formaldehyde	0000050-00-0	<0.009	100-lbs (45.4-kg)
Phenol	0000108-95-2	<0.009	1,000-lbs (454-kg)

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)
Formaldehyde	0000050-00-0	<0.009
Phenol	0000108-95-2	<0.009

SARA Title III Section 311/312 hazardous categorization:

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

- An immediate (acute) health hazard
- A delayed (chronic) health 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	0000050-00-0	<0.009
Phenol	0000108-95-2	<0.009

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:

CeramSurf PART B

Review literature supplied with product or contact NOV Fiber Glass Systems for proper mixing ratios.

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