

# MATERIAL SAFETY DATA SHEET

## DS 8000 SERIES 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 Mixture	Mixture	None Established		Proprietary
Naphtha	0064742-94-5	None Established		3 - 7
Refractory Ceramic Fibers <sup>(1)</sup>	0142844-00-6	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)	0.2 fibers/cc	1 - 5
Silicon Dioxide (SiO <sub>2</sub> ) <sup>(1)</sup>	0067762-90-7	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)	10 mg/m <sup>3</sup> (inhalable dust) 3 mg/m <sup>3</sup> (respirable dust)	~ 1

<sup>(1)</sup> 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 ..... 482°F (250°C), Seta Flash Closed Cup  
Autoignition Temperature ..... Not Determined  
LEL / UEL ..... Not Determined  
Extinguishing Media ..... Foam, Dry Chemical, CO<sub>2</sub>, 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..... Excessive Heat  
 Incompatibilities..... Oxidizing Materials  
 Hazardous Decomposition Products..... Phenolics, Aldehydes, CO, and CO<sub>2</sub>

## 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 eye irritation. May cause allergic skin reaction upon direct contact.

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 ..... Triethylenetetramine (Mixture)  
 Hazard Class..... 8  
 Identification Number ..... UN2259  
 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 Tile 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.

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**CATALYST / HARDENER INDEX**

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

**DS 8000 SERIES PART B**

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

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The logo for NOV Fiber Glass Systems features the letters 'NOV' in a stylized, bold font with a red circle behind the 'O'. To the right of 'NOV', the words 'Fiber Glass Systems' are written in a blue, sans-serif font.

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