

1. MATERIAL IDENTIFICATION

Product Name:


ANGSTRÖMBOND® 9119 Resin

Emergency Phone:

For product emergencies involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquiries call **Fiber Optic Center™, Inc.** at (800) 473-4237.

2. COMPOSITION

Hazardous Components	CAS No.	Percent	<u>Exposure Limits</u>	
			ACGIH TLV-TWA	OSHA PEL
Epoxy Resin Blend	25068-38-9	40-70	N.E.	N.E.
Modifiers	Proprietary	25-40	N.E.	N.E.

Abbreviations: N.E. = Not Established

3. HEALTH HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Eyes: Yes

Skin: Yes

Inhalation: No

Eye Contact: May cause irritation

Skin Contact: May cause irritation, allergic reactions, and sensitization.

Inhalation: More likely unless exposed to high temperatures.

Ingestion: Effects are not known.

Other: Preexisting skin and eye disorders may be aggravated by exposure to this product. Individuals with preexisting skin or lung allergies may experience increased allergy symptoms upon exposure to this product.

4. FIRST AID MEASURES

Eyes: Flush eyes thoroughly with water for 15 minutes while holding eyelids open. Seek medical attention.

Skin: Remove contaminated clothing, wipe excess from skin, and flush the affected area with water. Follow by washing with soap and water. Wash contaminated clothing thoroughly before reuse. If irritation persists after the affected area is washed, obtain medical attention. Contaminated leather articles, such as shoes, cannot be decontaminated and should be destroyed.

Inhalation: Remove to fresh air, and provide oxygen or artificial respiration if needed. Obtain medical attention.

Ingestion: Do not induce vomiting. Obtain medical attention.

5. ACCIDENTAL RELEASE MEASURES

Ventilate the spill area, and evacuate if necessary. Shut off the source of the leak if it is safe to do so. Remove all ignition sources. Dike and contain large spills. Absorb with clay, sand, or another suitable material, and dispose of properly.

Clean-up personnel should use adequate protective equipment.

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Fiber Optic Center™, Inc., 23 Centre Street, New Bedford, MA, 02740-6322, USA

Toll Free: (800) IS-FIBER or (800) 473-4237 • Phone: (508) 992-6464 • Fax: (508) 991-8876 • Website: www.focenter.com

E-mail: sales@focenter.com

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS**6. FIRE FIGHTING MEASURES****FLAMMABLE PROPERTIES**

Flash Point:	> 350 deg F, estimated
Explosive Limits:	Not determined
Auto – Ignition Temperature:	Not determined
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, aldehydes, acids, and other organic substances

EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS

When sufficiently large quantities are present, firefighters should be equipped with full bunker gear, including a positive pressure, NIOSH approved, self-contained breathing apparatus. Fire-exposed containers may be cooled with water.

Extinguishing Media: Use carbon dioxide, dry chemical, or an appropriate foam.

7. HANDLING AND STORAGE

Store in a cool, dry place. Keep away from ignition sources and high temperatures. Avoid contact with incompatible materials. Wear protective eyewear, chemical-resistant gloves, and other protective clothing as appropriate. Some curing agents, if mixed with this product in sufficiently large quantities, can cause exothermic reactions and runaway polymerization, yielding fumes which vary widely in composition and toxicity. Do not breathe fumes.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering / Ventilation Controls:	General ventilation may be acceptable under most conditions, although local ventilation is required to control exposure whenever vapors, mists, or dusts are generated. Eye wash stations should be readily available.
Respiratory Protection:	When local ventilation is unavailable and airborne limits are exceeded, a NIOSH-approved respirator for organic vapors, a supplied-air respirator, or a self-contained breathing apparatus is required.
Skin Protection:	Impervious gloves and protective clothing should be worn as necessary.
Eye Protection:	Chemical splash goggles or safety glasses with side shields should be worn as appropriate.

9. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions and use.
Conditions and Materials to Avoid:	Keep away from ignition sources and high temperatures. Reacts with acids, bases, and strong Oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, aldehydes, acids, and other organic substances.
Hazardous Polymerization:	Will not occur.

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/State:	Pale yellow liquid	Boiling Point:	Not determined
Odor:	Not determined	Freezing Point:	Not determined
pH:	Not determined	Specific Gravity:	Not determined
Vap. Pressure (mmHg):	Not determined	Solubility in Water:	Negligible
Vap. Density (air = 1):	Not determined		

11. TOXICOLOGICAL INFORMATION

This product is not known to have undergone toxicological testing.

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12. DISPOSAL CONSIDERATIONS

Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the environment occurs or is likely to occur. Utilize an appropriate disposal facility, in compliance with applicable federal, state, and local environmental control regulations.

13. TRANSPORTATION INFORMATION

DOT / IATA Proper Shipping Name: Not regulated.

14. REGULATORY INFORMATION**TSCA**

The chemical components of this product are included in the TSCA Chemical Substance Inventory, as required.

SARA TITLE III**Section 313 – Toxic Chemicals**

Pursuant to Section 313, this product does not contain any chemicals in a concentration equal to or greater than the *de minimis* level.

NFPA Hazards:	Health: 1	Flammability: 1	Reactivity: 0
HMIS Hazards:	Health: 1	Flammability: 1	Reactivity: 0

Fiber Optic Center™, Inc. urges each customer or recipient of this MSDS to study it carefully in order to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and/or fire prevention, as necessary to use and understand the data contained in this MSDS.

To promote safe handling, customers and recipients should: 1 – notify their employees, agents, contractors, and others whom they know or suspect will use this material or the information in this MSDS and any other information regarding hazards or safety; 2 – furnish this same information to each of their customers for the product; and 3 – request their customers to notify their employees, customers and other users of the product of this information.

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