

SAFETY DATA SHEET (SDS)

**Manufacturer:**

ÅngströmBond

Product Name:ÅngströmBond® AB9559 Plastic Bonding Black Epoxy,
Room Temperature & Heat Cure (2.5g)**Manufacturer Part Number:**

AB9559-2.5G

▶ Click here for more details on the ÅngströmBond® AB9559 Plastic Bonding Black Epoxy, Room Temperature & Heat Cure (2.5g)

**ÅNGSTRÖMBOND®**

Advanced Polymers for High Tech Applications

AB9559 Resin from ÅngströmBond
Page 1 of 3**Adhesives****1. MATERIAL IDENTIFICATION**

Product Name:

AB9559 from ÅNGSTRÖMBOND 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.	Exposure Limits		
		Percent	ACGIH TLV-TWA	OSHA PEL
Bisphenol A epichlorohydrin resin	25068-38-6	40-45	NE	NE
Cashew Nut Liquid, glycidyl ether	171263-25-5	7-12	NE	NE
Silica amorphous, Fumed	112945-52-5	2-4	NE	NE
fatty acids, c18x-unsatd., trimers, polymers with bisphenol a, Abbreviations: N.E. = Not Established	96097-33-5	42-47	NE	NE

3. HEALTH HAZARDS**Primary Routes of Exposure:** Eyes: yes Skin: yes Inhalation: no**Eye Contact:** Irritating to eyes.**Skin Contact:** Irritating to skin. May cause sensitization by skin contact**Ingestion:** Harmful if swallowed.**4. FIRST AID MEASURES****Eyes:** Immediately flush with water for at least 15 minutes. Get medical attention.**Skin:** Remove contaminated clothing. Wash with soap and water. Get medical attention..**Ingestion:** Wash out mouth with water only if person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.**5. ACCIDENTAL RELEASE MEASURES****Small Spills:** Activate available exhaust ventilation equipment in the immediate spill area. Wipe up or absorb spilled material with paper towels or other absorbent material. Wash area with soapy water to remove residue. Collect absorbed material and water rinses in appropriate containers. Dispose of in accordance with current Federal, State, and local regulations.**Large Spills:** Dike area to contain the spill and prevent releases to sewers, drains or other waterways. Collect spilled material for salvage/disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.**6. HANDLING AND STORAGE****GENERAL PROCEDURES:** As with any chemical product, use good laboratory/ workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the restroom. Use under well ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or in any way ingesting this product. Wash contaminated clothing before reuse. discard contaminated shoes. Provide eyewash stations and safety showers where this product is being used.**HANDLING:** Avoid contact with eyes, skin, and clothing. Do NOT swallow. Avoid breathing fumes or vapors. Avoid formation of vapors/aerosols. Keep container tightly closed. Use only with adequate ventilation. Electrically bond and ground all containers and equipment before transfer or use of material. A component of this material could be hydrolyzed by moisture to phosphorous acid and phenol.**STORAGE:** Store in a cool dry place away from direct sunlight.**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 •

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E-mail: sales@focenter.com
Website: www.focenter.com

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Contact the professionals at Fiber Optic Center for a quote or to get more details.23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com

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Adhesives

7. FIRE FIGHTING PROPERTIES**FLAMMABLE PROPERTIES****Flash Point:** > 325°F**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, aldehydes, acids and other organic substances may be formed during combustion. The chemical nature and quantity of the decomposition by-products will vary widely depending on the conditions of the combustion.**EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS.**

Firefighters/rescue personnel should wear positive pressure self-contained breathing apparatus and full protective equipment. Cool exposed containers with water to prevent pressure buildup. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

Unusual Fire and Explosion Hazards

Avoid storage in open containers, exposure to open flame or uncontrolled heat, uncontrolled mixing or exposure to incompatible substances.

Extinguishing Media: Use dry chemical, carbon dioxide, or an appropriate foam, or fire water spray.**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Engineering / Ventilation Controls:** General ventilation is acceptable under most conditions**Respiratory Protection:** Observe OSHA regulations for respiratory use (29 CFR 1910.134) use NIOSH approved respirator if there is a potential to exceed exposure limits.**Skin Protection:** Wear impervious gloves and appropriate protective clothing or equipment to prevent prolonged or repeated contact with skin. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using restroom facilities. Promptly remove contaminated clothing and launder thoroughly before reuse.**Eye Protection:** Wear chemical splash goggles or safety glasses with side shields.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance/State:** Clear Liquid
Odor: Sweet
pH: Not determined
Vap. Pressure (mmHg@25°C): Not determined**Boiling Point:** Not determined
Freezing Point: Not determined
Specific Gravity@25°C: 1.12
Solubility in Water: Not soluble**10. STABILITY AND REACTIVITY****Chemical Stability:** Stable under normal conditions and use.**Conditions and Materials to Avoid:** Contact with acidic, basic, or oxidizing materials. Avoid storage in open containers, exposure to open flame or uncontrolled heat, uncontrolled mixing or exposure to incompatible substances.**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, aldehydes, acids and other organic substances may be formed during combustion. The chemical nature and quantity of the decomposition by-products will vary widely depending on the conditions of the combustion.**Hazardous Polymerization:** Hazardous Polymerization will not ordinarily occur. May occur if stored at elevated temperature (>400°F) especially in quantities greater than one pound.

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ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

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ADHESIVES

12. TOXICOLOGICAL INFORMATION

	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)	Inhalation LC ₅₀ (rat)
Bisphenol A/epichlorohydrin Resin	> 200x0 mg/kg	> 200x0 mg/kg	
Silica, Amorphous, Fumed	5000		2.08

13. REGULATORY INFORMATION

TSCA Status

	CAS Number
Bisphenol A/epichlorohydrin Resin	25068-38-6
cashew, nutshell liq., glycidyl ethers	171263-25-5
fatty acids, c18-unsatd., trimers, polymers with bisphenol a, bu glycidyl ether and epichlorohydrin	96097-33-5

HMIS RATINGS: Health: 2 Fire: 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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