

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond® AB9310 High Temperature Epoxy, Heat Cure (1oz)

**Manufacturer Part Number:**  
AB9310-1OZ

► Click here for more details on the ÅngströmBond® AB9310 High Temperature Epoxy, Heat Cure (1oz)



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## 1. MATERIAL IDENTIFICATION

Product Name:

ÅNGSTRÖMBOND 9310 PART B

Emergency Phone:

For product emergencies involving spill, leak, fire, exposure, or accident call CHEMTRAC 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
Alicyclic Acid	Proprietary	100	N.E.	N.E.

Note: Due to this product's physical composition, the release or generation of dust is not expected to occur under normal conditions and use.  
Abbreviations: N.E.

## 3. HEALTH HAZARDS IDENTIFICATION

Primary Routes of Exposure:      Eyes: Yes      Skin: Yes      Inhalation: No

**Eye Contact:** Can cause eye irritation. Mixture of part A and B may cause irritation.  
**Skin Contact:** Contact with this material may cause irritation.  
**Inhalation:** This product is not likely to be an inhalation hazard.  
**Ingestion:** This product is considered to have a low order of acute toxicity.  
**Other:** Preexisting skin and eye disorders may be aggravated by exposure to this product. Preexisting skin or lung allergies may increase the chance of developing increased allergy symptoms from exposure to this product.

## 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water for at least 20 minutes. Seek immediate medical attention.  
**Skin:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Seek medical attention if symptoms occur. Wash clothing before reuse.  
**Inhalation:** Remove to the fresh air. Give oxygen if required.  
**Ingestion:** Give large quantities of water or milk, induce vomiting. Keep individual calm and obtain medical attention immediately.

## 5. ACCIDENTAL RELEASE MEASURES

For small spills: Wipe up, or absorb with vermiculite or other absorbent material. Collect waste in sealed containers. Scrub area with soapy water and rinse. Prevents rinses from entering drains or other waterways. Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, state, and federal regulations.  
For large spills: Dike area to contain spilled material and to runoff into drains, sewers, and other waterways. Shovel or pump to drum or salvage tank. Absorbed residual material with sand, vermiculite, or other absorbent material. Scrape or shovel absorbed waste and absorbent into containers. Scrub area with soapy water and rinse. Prevents rinse from entering drains or other waterways.

## 6. HANDLING AND STORAGE

store in cool, dry area in closed containers. Keep away from open flames and high temperatures. Avoid all ignition sources and reactive materials. Avoid contact with eyes. Wear safety goggles as appropriate. Avoid contact with skin. Wear chemical-resistant gloves and other protective clothing as required to minimize contact.

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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](http://www.focenter.com)

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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## 7. FIRE FIGHTING PROPERTIES

### FLAMMABLE PROPERTIES

Flash Point: greater than 200°F (Cleveland Open Cup)  
Explosive Limits (% volume in air): Not applicable.  
Auto-Ignition Temperature: Not applicable.  
Hazardous Decomposition Products: carbon monoxide, carbon dioxide

### EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS

Fire Fighters and others who may be exposed to the products if combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus and full protective.

Extinguishing Media: Use dry chemical or carbon dioxide.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering / Ventilation Controls: General ventilation may be acceptable, however, enclosure and local exhaust may be required When generating vapors or mists.

Respiratory Protection: Where exposure exceeds established airborne limits, use a NIOSH approved respirator, or a self-contained breathing apparatus, or a supplied air respirator as necessary to control exposure.

Skin Protection: Wear impervious gloves and protective clothing as necessary to prevent skin contact.

Eye Protection: Wear chemical splash goggles or safety glasses with side shields.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/State:	Buff viscous liquid	Boiling Point:	Not determined
Odor:	pungent	Freezing Point:	Not determined
pH:	Not applicable	Specific Gravity:	1.12-1.22 mixed
Vap. Pressure (mmHg):	Not determined	Solubility in Water:	Negligible
Vap. Density (air = 1):	Not determined	Evaporation Rate (Ether = 1):	Not Determined

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions and use.

Conditions and Materials to Avoid: epoxies, alcohol, acids, and amines, heat

Hazardous Decomposition Products: carbon monoxides, carbon dioxide

Hazardous Polymerization: Will not occur.

## 11. DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with Local, State, and Federal regulations.

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## **12. TOXICOLOGICAL INFORMATION**

This section provides toxicological information with regard to the pure form of the components indicated. This information can be subject to misinterpretation. It is therefore suggested that persons trained in its evaluation interpret this information.

**Alicyclic Anhydride**

LD50 Acute Oral Rat 3307mg/kg

LD50 acute Oral Mouse 200mg/kg

LD50 Acute dermal Rabbit Not determined

Note: Due to this product's physical composition, the release or generation of dust is not expected to occur under normal conditions of use.

## **13. TRANSPORTATION INFORMATION**

**DOT Classification:** Not Regulated

**Hazard Class:** None

**UN:** None

**PG:** None

**ERG #:** None

**Hazard Labels:** None

**IATA Classification:** Not Regulated

**Hazard Class:** None

**UN:** None

**PG:** None

**ERG #:** None

**Hazard Labels:** None

## **14. REGULATORY INFORMATION**

### **US FEDERAL REGULATIONS**

**TSCA:** The chemical components of this product are contained on section 8(B) of the chemical substance inventor list (40 CFR 710).

**SARA Title III Information**

**Section 313 – Toxic Chemicals:**

Pursuant to section 313 of SARA Title III, this product does not contain a toxic chemical in a concentration in excess of 1 percent of the mixture or 0.1 percent of the listed chemical is a carcinogen.

**Section 311/312 – Hazard Categories:**

**Fire Hazard:** No

**Reactivity Hazard:** No

**Sudden Release of Pressure Hazard:** No

**Immediate (Acute) Health Hazard:** No

**Delayed (Chronic) Health Hazard:** No

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

**STATE REGULATIONS / RIGHT TO KNOW**

**California Proposition 65:** This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or reproductive toxicity.

**Pennsylvania:** All of the materials in this product requiring identification by the Commonwealth of Pennsylvania are listed in section 2.

**INTERNATIONAL**

**WHMIS:** This MSDS is in compliance with the requirements of the Canadian Workplace Hazardous Materials Information System.

**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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