SAFETY DATA SHEET (SDS)



Manufacturer:

ÅngströmBond

Product Name:

ÅngströmBond AB9310 High Temperature Heat Cure Epoxy (1 Oz)

Manufacturer Part Number:

AB9310-10Z

Click here for more details on the AngströmBond AB9310 High Temperature Heat Cure Epoxy (1 Oz)

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Rev.A

3/2009



Advanced Polymers for High Tech Applications

1. MATERIAL IDENTIFICATION

Product Name:

AngströmBond 9310 part A

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

2. COMPOSITION **Exposure Limits**

ACGIH OSHA **Hazardous Components** CAS No. Percent TLV-TWA PEL Epoxy Resin 25068-38-9 50 - 75 ΝF ΝF Epoxy Resin Modifier 26142-30-3 1 -15 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. = Not Established

3. HEALTH HAZARDS IDENTIFICATION

Primary Routes of Exposure: Skin: Yes Inhalation: No

Eve Contact: may cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

Skin Contact: Prolonged exposure is not likely to result significant skin irritation. Repeated contact may cause skin irritation.

Not likely to be irritating unless heated to high temperatures

Ingestion: Based on product testing, product is considered to have a low order of acute toxicity

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. Other:

4. FIRST AID MEASURES

Immediately flush eyes with plenty of water for at least 20 minutes. Seek immediate medical attention

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Seek medical attention if symptoms occur. Wash clothing before reuse. Skin:

Inhalation: Remove to fresh air, and provide oxygen if breathing is difficult. Give artificial respiration if breathing has stopped. Seek immediate

Give large quantities of water ormilk,induce vomiting. Keep individual calm and obtain medical attention immediately Ingestion:

5. ACCIDENTIAL 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 materials with sand, vermiculite, or other absorbent materials with soaps water and rinse. Prevents rinse from entering drains or other waterways.

6. HANDLING AND STORAGE

Store in a cool dry place. 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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Data is subject to change without notice.

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



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Adhesives



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7. FIRE FIGHTING PROPERTIES

FLAMMABLE PROPERTIES

Explosive Limits (% volume in air):
Auto-Ignition Temperature:
Hazardous Combustion Products: Not applicable.

Carbon monoxide, aldehydes, acids, and other organic substances may be formed.

EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS

Fire Fighters and others who may be exposed to the products of 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 maybe acceptable, however, enclosure and local exhaust may be required to

Control exposure.

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

These precautions are for room temperature handling, use at elevated temperatures may require

Added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/State: viscous liquid **Boiling Point:** Not determined Freezing Point: Specific Gravity: Mild Odor Not determined Not applicable Not determined 1.12-1.22 mixed Vap. Pressure (mmHg): Evaporation Rate (Ether = 1): Not determined Vap. Density (air = 1): Not determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions and use

Conditions and Materials to Avoid: strong oxidizing agents, amines, amides, strong Lewis or mineral acids, thiosulfates, carboxylic

acids, alcohol, Mercaptans, heat.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxides.

Hazardous Polymerization: Will not occur.

11. DISPOSAL CONSIDERATIONS

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

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Adhesives

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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

Epoxy Resin: LD50 Acute Oral Rat: LD50 Acute Oral Mouse: LD50 Acute Dermal Rabbit: > 20 ml/kg

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 ERG #: 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 or 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: Reactivity Hazard: Sudden Release of Pressure Hazard: Immediate (Acute) Health Hazard: Delayed (Chronic) Health Hazard:

Health: 1 Reactivity: 0 HMIS Hazards: Flammability: 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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