



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond AB9028 High Tg UV Cure Adhesive (3cc)

**Manufacturer Part Number:**  
AB9028-3CC

▶ Click here for more details on the ÅngströmBond AB9028 High Tg UV Cure Adhesive (3cc)



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Adhesives

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

SDS # AB 9028

## Safety Data Sheet

according to HazCom 2012

**SDS #: AB 9028**

Issue Date: 3/4/2014

Revision Date: 6/18/2015

### Section 1: Identification

**GHS Product Identifier/Name** ÅngströmBond® AB 9028

**Other means of identification**

Product Code AB 9028  
Other means of identification Not available

**Recommended use of the chemical and restrictions on use**

Identified Uses Epoxy Resin

**Details of the supplier of the Safety Data Sheet**

Supplier Address  
Fiber Optic Center, Inc.  
23 Centre Street  
New Bedford, MA 02740-6322 USA  
Tel: 1-508-992-6464  
Fax: 1-508-991-8876

**Emergency Telephone**

CHEMTREC 1-800-424-9300 (24 hrs)  
For product emergencies involving spill, leak, fire exposure or accident please contact CHEMTREC.  
For all other inquires please contact Fiber Optic Center, Inc.™ at 1-800-473-4237

### Section 2: Hazard(s) Identification

**Signal word:** Warning

WARNING: MAY CAUSE ALLERGIC SKIN REACTION  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACK IRRITATION  
MAY BE HARMFUL IF SWALLOWED

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

**HMIS:**

HEALTH: 1  
FLAMMABILITY: 1  
REACTIVITY: 1  
PROTECTIVE: B  
Hazard Rating: 4 = Extreme, 3 = serious, 2 = Moderate, 1 = Slight, 0 = minimal, B = Gloves and Eye Protection

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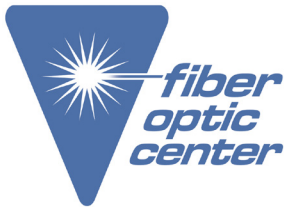
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## Section 2: Hazard(s) Identification

### GHS Label Elements:

#### Hazard Pictograms:



### Hazard Statements:

H315 causes skin irritation  
H319 causes serious eye irritation  
H317 may cause an allergic skin reaction  
H411 Toxic to aquatic life with long lasting effects  
Contains epoxy constituents. May produce an allergic reaction

### Precautionary Statements:

#### Prevention:

Avoid breathing vapors, mist or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

#### Response:

IF ON SKIN: wash with plenty of soap and water  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: get medical attention

#### Disposal:

Dispose of content and/or container according to Federal, State/Provincial and local governmental regulations

### OSHA/HCS Status:

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

## Section 3: Composition / Information on Ingredients

Ingredients	%*	Cas#
Liquid epoxy resin	20-80	25085-99-8
Solid epoxy resin	30-80	25036-25-3
Antimonate salts in propylene carbonate.	0.5-2	89452-37-9, 71449-78-0, 108-32-7

\*Exact percentage is a trade secret. Concentration range is provided to assist users in determining appropriate protection.

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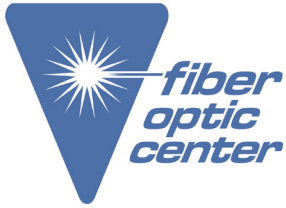
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## Section 4: First-Aid Measures

### Description of first aid measures

**General information:** remove contaminated clothing

**Ingestion:** Ingestion is unlikely. However, if large quantities are swallowed, get medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**Skin contact:** Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. Avoid exposure to light sources.

**Inhalation:** Move affected person to fresh air. In case of asphyxia, initiate artificial respiration immediately. If breathing is difficult, give oxygen. Get medical attention immediately.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable extinguishing media:** Carbon dioxide, extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with a full water jet

**Hazardous Combustion Products:** Thermal decomposition products can include carbon dioxide, carbon monoxide, fire dust and smoke.

### Advice for firefighters

**Protective equipment:** Wear self-contained breathing apparatus

## Section 6: Accidental Release Measures

**Containment Procedures:** Stop the flow of material, if this is without risk. Ventilate contaminated area. Do not release material or contaminated water into drains, soil or surface waters, or sewage systems.

**Clean-Up Procedures:** Wear appropriate protective equipment and clothing. Absorb spillage with non-combustible absorbent materials. Place all waste in an appropriate container for disposal. Dispose of collected material according to regulations.

**Evacuation Procedures:** Keep unnecessary personnel away

**Special Procedures:** N/A

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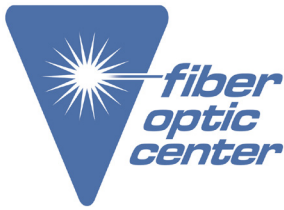
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### Section 7: Handling and Storage

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.

**Storage:** Store at 15 to 27°C. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Store sealed in original container and out of direct sunlight or other light sources.

### Section 8: Exposure Controls / Personal Protection

#### Exposure Guidelines

**General product information:** No occupational exposure limits have been established.

**Hands:** Protect hands with Nitrile or Latex gloves.

**Eyes:** Eye glasses with side-shield or goggles are required.

**Ventilation:** general room ventilation is expected in normal usage and storage. Special local ventilation may be needed if used at elevated temperatures.

**Other hygienic and work practices:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities.

### Section 9: Physical and Chemical Properties

Physical state: liquid  
Color: clear  
Odor: Sharp  
Odor threshold: N/A  
Vapor pressure: Less than 10 mm Hg at 27°C  
pH: 6-7 at 1:1 in water  
Boiling point: >200°C  
Melting point: N/A  
Specific Gravity: 1.1  
Vapor Density: N/A  
Evaporation rate: N/A  
Solubility in water: Insoluble at 25°C

### Section 10: Stability and Reactivity

Stability:	Stable material under normal conditions of handling, use and transportation
Physical Hazard:	Unstable (reactive) upon exposure to heat and/or light
Hazardous decomposition:	Oxides of carbon, Oxides of nitrogen, Irritating organic vapors
Incompatibility:	Strong oxidizers, bases, acids, reducing agents, free radical initiators

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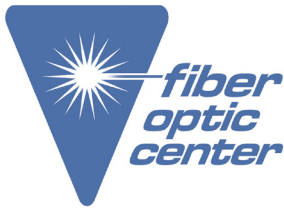
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## Section 11: Toxicological Information

### Acute and chronic Toxicity

A: General product information: No data available

B: Component analysis

Component	LD <sub>50</sub> Oral	LD <sub>50</sub> Dermal	LD <sub>50</sub> Inhalation
Liquid epoxy resin cas#25085-99-8	5000 mg/Kg (rats)	20,000 mg/Kg (rabbits)	> 2 mg/L (rats)
Solid epoxy resin cas#25036-25-3	5000 mg/Kg (rats)	20,000 mg/Kg (rabbits)	> 2 mg/L (rats)
Antimonate salts cas#89452-37-9, 71449-78-0	>2000 mg/Kg (rats)	>2000 mg/Kg (rats)	no data
Propylene carbonate cas#108-32-7	29 mg/Kg (rats)	>20 mg/Kg (rabbits)	>5,000 mg/L (rats)

### Carcinogenicity

A: General Product information: None

B: Component Carcinogenicity: None of this product's components are listed by IARC

Teratogenicity: no

Reproductive toxicity: no

Mutagenicity: no

## Section 12: Ecological Information

### Ecotoxicity

A: General Product Information: The ecological assessment of this material is based on an evaluation of its components. This product is harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

B: Component analysis – ecotoxicity – toxic for fish

Component	EC <sub>50</sub> 24 hrs	EC <sub>50</sub> 48 hrs
Antimonate salts cas#89452-37-9, 71449-78-0	4.4 mg/L (Daphnia magna)	0.68 mg/L (Daphnia magna)

## Section 13: Disposal Considerations

Incineration or landfill in accordance to local regulations. Contaminated packaging material should be disposed of identically to the product itself. Uncontaminated packaging material should be treated as household waste or as recycling material.

## Section 14: Transport Information

	US DOT	RID/ADR	IMDG	IATA	IMO	Canada TDG
Shipping Name	Not regulated					

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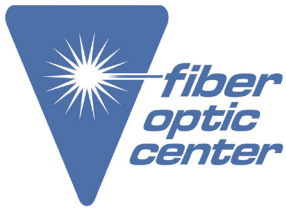
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## Section 15: Regulatory Information

### US Federal

TSCA: All materials are listed on the TSCA Inventory or are not subject to TSCA requirements  
SARA 302 EHS List (40 CFR 355 Appendix A): Not listed  
SARA 313: None  
SARA 312 Hazard Class:  
Health: Acute – Yes, Chronic – No  
Fire: No  
Sudden Release of Pressure: No  
CERCLA: None

### European/International Regulations

Safety, health and environmental regulations/legislation specific for the substance or mixture.  
Labeling according to Regulation (EC) No 1272/2008.  
The product is classified and labeled according to the CLP regulation.

#### Hazard Classification

Danger Symbol	Xi	Irritant
Risk Phrases:	R 36/38	Irritating to eyes and skin
	R 43	May cause sensitization by skin contact
	R 52/53	Harmful to aquatic organism may cause long term and adverse effects in aquatic environment
Safety Phrases:	S 26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
	S 28	After contact with skin rinse immediately with plenty of soap and water
	S 37/39	Wear suitable gloves and eye/face protection
	S57	Use appropriate containment to avoid environmental contamination.

Contains: Antimony compounds

Canadian DSL List: The component of this product are on the DSL or are exempt from reporting under the New Substances Notification Regulations.

Canadian IDL: None of the ingredients are on this list

WHMIS: Class D2B. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by those regulations.

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## Section 16: Other Information

MSDS Creation Date: 3/4/2014  
MSDS Revision Date: 6/18/2015  
Reason for Revision: Update information for GHS format  
For more information: phone: 1-800-473-4237, fax: 1-508-991-8876  
Prepared by Fiber Optic Center, Inc.

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