

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond AB9119 Heat Cure Epoxy (2.5G)

**Manufacturer Part Number:**  
AB9119-2.5G

▶ Click here for more details on the ÅngströmBond AB9119 Heat Cure Epoxy (2.5G)



ÅngströmBond 9119 Hardener  
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Adhesives

## 1. MATERIAL IDENTIFICATION

Product Name:

ÅNGSTRÖMBOND® 9119 HARDENER

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	Exposure Limits	
			ACGIH TLV-TWA	OSHA PEL
Imidazole Blend	931-36-2	10-50	N.E.	N.E.
Aliphatic Amine	112-24-3	10-20	N.E.	N.E.
Additives	Proprietary	1-10	N.E.	N.E.

Abbreviations: N.E. = Not Established

## 3. HEALTH HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eyes: Yes Skin: Yes Inhalation: Yes

**Eye Contact:** Corrosive. May cause burns and permanent injury, including blindness. May cause irritation upon vapor contact.

**Skin Contact:** Corrosive. May cause dermatitis, sensitization, and deep burns. May be toxic if absorbed through the skin.

**Inhalation:** May be corrosive. May cause an allergic reaction, irritation, and inflammation of the lungs.

**Ingestion:** Corrosive. Will cause illness. May cause severe gastric disturbances and permanent damage.

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

## 4. FIRST AID MEASURES

**Eyes:** Flush eyes thoroughly with water for 30 minutes while holding eyelids open. Seek immediate medical attention.

**Skin:** Remove contaminated clothing, wipe excess from skin, and flush the affected area with water. Follow by washing with soap and water. Flush with water for ten minutes. Do not reuse contaminated clothing. Seek immediate medical attention.

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

**Ingestion:** Do NOT induce vomiting. Dilute with water or milk unless the victim is drowsy, convulsing, or unconscious. Obtain emergency 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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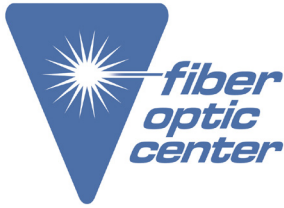
Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Adhesives

Advanced Polymers for High Tech Applications

## 6. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point:	> 210 deg F, estimated
Explosive Limits:	Not determined
Auto – Ignition Temperature:	Not determined
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, nitrogen oxides, and nitric gases

### 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 water fog, 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.

## 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 oxidizers and acids.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides, and nitric gases.

**Hazardous Polymerization:** May occur.

## 10. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/State:</b>	Liquid	<b>Boiling Point:</b>	300°F
<b>Odor:</b>	Not determined	<b>Freezing Point:</b>	Not determined
<b>pH:</b>	Not determined	<b>Specific Gravity:</b>	1.0 – 1.1
<b>Vap. Pressure (mmHg):</b>	Not determined	<b>Solubility in Water:</b>	Not determined
<b>Vap. Density (air = 1):</b>	Not determined		

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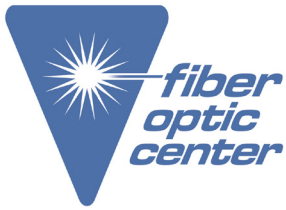
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Adhesives

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

## 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: Corrosive liquid NOS (Triethyleamine)

Hazard Class: 8 UN2259  
Packing Group: II

## 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.

#### Section 311/312 – Hazard Categories

Fire Hazard:	No	Immediate (Acute) Health Hazard:	Yes
Reactivity Hazard:	No	Delayed (Chronic) Health Hazard:	No
Sudden Release of Pressure Hazard:	No		

<b>NFPA Hazards:</b>	Health: 2	Flammability: 1	Reactivity: 0
<b>HMS Hazards:</b>	Health: 2	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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