

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
ÅngströmBond® AB9226 Fast Cure Clear Epoxy, Room Temperature Cure (2.5g)

**Manufacturer Part Number:**  
AB9226-2.5G

▶ Click here for more details on the ÅngströmBond® AB9226 Fast Cure Clear Epoxy, Room Temperature Cure (2.5g)



ADVANCED POLYMERS for High Tech Applications

ÅngströmBond 9226 Hardener  
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## Adhesives

### 1. MATERIAL IDENTIFICATION

**Product Name:**

ÅNGSTROMBOND® 9226 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		OSHA PEL	OTHER	
			ACGIH TLV-TWA			TWA	PEL
Mercaptan-terminated polymer	068611-50-7	80-100	NE		NE	NE	NE
Alkyl amino phenol	000090-72-2	3-10	NE		NE	NE	NE
NE= not established							

### 3. HEALTH HAZARDS IDENTIFICATION

**Primary Routes of Exposure:**

Eyes: Yes

Skin: Yes

Inhalation: Yes

**Eye Contact:**

Irritating to the eyes.

**Skin Contact:**

Irritating to the skin and mucous membranes

**Inhalation:**

Irritating to respiratory system.

**Ingestion:**

May be harmful if swallowed.

### 4. FIRST AID MEASURES

**Eyes:**

Flush eyes thoroughly with water for several minutes while holding eyelids open. If symptoms persist consult a Physician.

**Skin:**

Immediately wash with water and soap and rinse thoroughly.

**Ingestion:**

If symptoms persist consult doctor.

**Inhalation:**

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for Transportation.

### 5. ACCIDENTAL RELEASE MEASURES

Absorb with liquid binding material(sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not allow product to reach sewage system. This material must be disposed of as hazardous waste. Dispose of according to official regulations.

### 6. HANDLING & STORAGE

Store in a cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Use only in well ventilated areas.

### 7. TOXICOLOGICAL INFORMATION

This section provides toxicological information. It is suggested that this information be interpreted by persons trained in its evaluation.

Estimated Oral LD50 2600mg/kg(rabbit). Dermal LD50 10200mg/kg(rabbit)

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Rev. D 8/2025

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## ADHESIVES

### 8. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES

Flash Point: 149°C(300°F)  
Explosive Limits: Lower: N/A  
Upper: N/A  
Auto – Ignition Temperature: Not determined  
Hazardous Decomposition Products: Hydrogen sulfide, sulfur oxides, irritant gases and vapors

#### EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS

Firefighters should wear self-contained breathing apparatus and full protective gear. During a fire irritating, toxic gases and smoke may be present from decomposition/combustion; do not breathe smoke.

Extinguishing Media: Use extinguishing powder, water spray, alcohol resistant foam, CO<sub>2</sub>.

### 9. 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:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or Longer exposure use respiratory protective device that is independent of circulating air.

**Skin Protection:** Wear impervious gloves.

**Eye Protection:** tightly sealed goggles.

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions and use.

**Conditions and Materials to Avoid:** strong exothermic reaction w/ acids. Corrosive action on metals. Reacts w/ strong acids And oxidizing agents, peroxides, and other radical forming substances.

**Hazardous Decomposition Products:** Irritant gases and vapors, hydrogen sulfide, sulfur oxides

**Hazardous Polymerization:** Will not occur.

### 11. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance / State:** yellow liquid  
**Odor:** sulfurous  
**pH:** Does not apply  
**Vap. Pressure@20°C (mmHg):** 3.5hPa(3mm Hg)  
**Vap. Density@20°C (air = 1):** 1.000 g/cm<sup>3</sup>

**Boiling Point:** Not determined  
**Freezing Point:** Not determined  
**Specific Gravity:** 1.1  
**Solubility/Miscibility in Water:** Not miscible or difficult to mix

### 12. ECOLOGICAL INFORMATION

Water Hazard Class 1(self assessment); slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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**ADHESIVES**

## 13. TRANSPORTATION INFORMATION

<b>DOT:</b>	<b>Proper Shipping Name:</b>	Not regulated	<b>IACO-TI/IATA-DGR</b>	<b>Proper Shipping Name:</b>	Aviation regulated liquid NOS mercaptan
	<b>Hazard Class:</b>	Not regulated		<b>Hazard Class:</b>	9 regulated for air shipment only
	<b>ID Number:</b>	None		<b>UN or ID:</b>	3334
	<b>Marine Pollutant:</b>	None			

## 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 ant concentration equal to or greater than the *de minimis* level.

**Section 311/312 – Hazard Categories**  
2,4,6 tris (dimethylaminomethyl) phenol      CAS# 000090-72-2      3-10%      acute health hazard

<b>HMIS Hazards:</b>	Health: 3	Flammability: 1	Reactivity: 0
<b>NFPA Hazards:</b>	Health: 3	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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Rev. D      8/2025

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