

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
ÅngströmBond® AB2902 Electrically & Thermally Conductive Silver Epoxy, Room Temperature & Heat Cure (2.5g)

**Manufacturer Part Number:**  
AB2902-2.5G

► Click here for more details on the ÅngströmBond® AB2902 Electrically & Thermally Conductive Silver Epoxy, Room Temperature & Heat Cure (2.5g)

AngströmBond AB2902 Hardener  
Page 1 of 2



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Adhesives

## 1. MATERIAL IDENTIFICATION

Product Name:

ÅNGSTRÖMBOND AB2902 HARDENER

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.     | Percent | Exposure Limits |          | OTHER |     |
|--|-------------|---------|-----------------|----------|-------|-----|
|  |             |         | ACGIH TLV-TWA   | OSHA PEL | TWA   | PEL |
| Modified Aliphatic                           | Proprietary | 100     | NE              | NE       | NE    | NE  |
| 3,6-diazaoctanethylenediamine                | 112-24-3    | <75     | NE              | NE       | NE    | NE  |
| Téta, reaction products with propylene oxide | 26980-63-0  | <25     | NE              | NE       | NE    | NE  |

## 3. HEALTH HAZARDS IDENTIFICATION

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

Eye Contact: Corrosive to the eyes and may cause sever damage including blindness. Eyes may become irritated, red, or itchy.

Skin Contact: Causes skin burns, irritation and possible allergic reaction. Skin may become itchy, red or irritated. May cause allergic skin reaction.

Inhalation: Prolonged or repeated inhalation may cause lung damage and/or central nervous system disturbances.

Ingestion: Can burn mouth, throat and stomach. Can cause mouth, throat, esophageal, and gastrointestinal tract irritation. Corrosive and May cause sever and permanent damage to mouth, throat and stomach.

## 4. FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

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

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## 5. PHYSICAL AND CHEMICAL PROPERTIES

|                     |                    |                   |                |
|---------------------|--------------------|-------------------|----------------|
| Appearance / State: | Clear Amber liquid | Boiling Point:    | >329°F         |
| Odor:               | Amine-like         | Freezing Point:   | Not determined |
| pH:                 | Not applicable     | Specific Gravity: | 1.020          |

## 6. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions and use.

Conditions and Materials to Avoid: Contact with acidic, basic or oxidizing materials. Avoid storage in open containers, exposure to open flame or uncontrolled exposure to heat, uncontrolled mixing or exposure to incompatible substances.

Hazardous Decomposition Products: Oxides of carbon, aldehydes, amines, aniline, acids and other organic substances may be formed during combustion. The chemical nature and quantity of decomposition by-products will vary widely depending on the conditions of combustion.

Hazardous Polymerization: Uncontrolled mixing with resins may cause hazardous polymerization.

## 7. ACCIDENTAL RELEASE MEASURES

Small Spills: Activate available exhaust ventilation equipment in the immediate spill area. Wipe up or absorb spilled material with paper towels or other absorbent material. Wash area with soapy water to remove residue. Collect absorbed material and water rinses in appropriate containers. Dispose of in accordance with current Federal, State, and local regulations.

Large Spills: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

Release Notes: Spill response operations must be conducted in accordance with the provisions of OSHA 29 CFR 191.120. Review the entire MSDS before proceeding with spill response.

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**Fiber Optic Center™, Inc.**, 23 Centre Street, New Bedford, MA, 02740-6322, USA  
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Data is subject to change without notice.  
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Contact the professionals at Fiber Optic Center for a quote or to get more details.

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ÅngströmBond AB 2902 Hardener  
Page 2 of 2



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## 9. HANDLING AND STORAGE

Minimize contact with unprotected skin and eyes and insure that adequate ventilation is provided in the work area. Store material in a cool, dry place. Keep container closed when not in use, avoid contact with eyes and prolonged or repeated contact with skin. Maintain good housekeeping practices. Keep container closed when not in use, store in a cool dry place away from heat and flames. Keep out of the reach of children and do not re-use the container.

## 10. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

|                                   |   |
|-----------------------------------|---|
| Flash Point:                      | > 347°F   |
| Explosive Limits:                 | Not determined  |
| Auto - Ignition Temperature:      | Not determined  |
| Hazardous Decomposition Products: | Oxides of carbon, aldehydes, amines, aniline, acids and other organic substances may be formed during combustion. The chemical nature and quantity of decomposition by-products will vary widely depending on the conditions of combustion. |

### EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS

Firefighters/rescue personnel should wear positive pressure self-contained breathing apparatus and full protective equipment. Cool exposed containers with water to prevent buildup. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

**Extinguishing Media:** Use foam, dry chemical, carbon dioxide or fine water spray when fighting fires involving this material.

### UNUSUAL FIRE AND EXPLOSION HAZARD:

Decomposition and combustion products may be toxic. Closed containers may violently rupture under fire condition.

## 11. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering / Ventilation Controls:

Provide effective mechanical exhaust ventilation to draw vapors, mists or fumes generated during processing away from the worker and prevent routine inhalation, especially during elevated temperature processing.

### Respiratory Protection:

Provide effective mechanical exhaust ventilation to draw vapors, mists or fumes generated during processing away from the worker and prevent routine inhalation, especially during elevated temperature processing. Ventilation must be sufficient to maintain airborne levels of Section 3 chemicals below their PEL/TLV values. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

### Skin Protection:

Wear impervious gloves and appropriate protective clothing or equipment to prevent prolonged or repeated contact with skin. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using restroom facilities. Promptly remove contaminated clothing and launder thoroughly before reuse.

## 12. REGULATORY INFORMATION

### TSCA

The chemical components of this product are included in the TSCA Chemical Substance Inventory, as required.

### SARA Title III (Superfund Amendments and Reauthorization Act)

Acute: Yes Chronic: Yes

### HMIS Hazards:

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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