

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
ÅngströmBond® AB9018-1.62 High Refractive Index Adhesive, UV Cure (3cc Automatic Syringe)

**Manufacturer Part Number:**  
AB9018-1.62-3CCA

▶ Click here for more details on the ÅngströmBond® AB9018-1.62 High Refractive Index Adhesive, UV Cure (3cc Automatic Syringe)



AB 9018-162 FROM ANGSTROMBOND

Adhesives

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: AB 9018-162  
Intended Use: Ultraviolet Curing Adhesive

For product emergencies involving spill, leak, fire exposure or accident please contact Chemtrec at 1-800-424-9300 For all other inquiries please contact Fiber Optic Center, Inc TM at 1-800-473-4237

### 2. HAZARDS IDENTIFICATION

Mercapto Ester  
1 Health, R22/R36/R38/R43  
Triallyl Isocyanurate

1 Flammability

1 Reactivity

B Protective equipment

Hazard Rating  
0 Minimal  
1 Slight  
2 Moderate  
3 Serious  
4 Extreme

B Glove and Eye protection

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Health risks:

R22 Harmful if in contact with skin or if swallowed.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R43 May cause sensitization by skin contact.

Pictogram



Signal Word: Warning

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature: Urethane related based formulation

COMPONENTS	CAS#	EINECS#	CONCENTRATION
Mercapto-ester*	Trade Secret*	Trade Secret*	40-80%
Triallyl Isocyanurate	1025-15-6	213-834-7	20-60%

\* The specific chemical identity and concentration is being withheld from this data sheet as a Trade Secret. None of the ingredients are listed as carcinogens in NTP, IARC, OSHA, RoHS, Reach or any state's list of chemicals known to cause reproductive toxicity.

## 4. FIRST AID MEASURES

In case of inhalation: If tightness in the chest, irritation or coughing occurs, remove to fresh air. Get medical attention if symptoms persist.

In case of splashes in eye: If the material gets in the eyes, immediately wash the eyes with

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copious amounts of water, occasionally lifting the lower and upper eyelids. Continue for 15 minutes and get medical attention immediately.

In case of skin contact:

If the material gets on the skin, immediately wash the area with soap and water and flush with water. If irritation develops, get medical attention.

In case of clothing spattering:

Discard or wash contaminated clothing before reuse.

In case of ingestion:

If the material has been swallowed, dilute with milk or water if the victim is alert. See doctor as soon as possible.

## 5. FIRE-FIGHTING MEASURES

Extinguishing Media recommended: Carbon Dioxide, foam, dry chemical

Extinguishing Media inadvisable: Water. Jets of water from fire hose.

Special Hazards: None.

Hazardous decomposition/combustion products: Could generate carbon monoxide, carbon dioxide, sulfur dioxide or hydrogen sulfide.

Special protective equipment: A self-contained breathing apparatus.

Explosion Data:

Sensitivity to Impact: None

Sensitivity to Static Discharge: None

## 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

GLOVES: Use gloves made from an impervious material, e.g. nitrile, butyl or latex rubber. Latex rubber may soften and become pervious if also exposed to organic solvents.

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**RESPIRATOR:** Not required under normal operating conditions. Respiratory protection may be needed in unusual circumstances where significant exposure to fumes or mists can occur. A NIOSH approved air purifying respirator with an organic vapor cartridge would then be recommended. Use must comply with OSHA (29 CFR 1910.134) and other regulatory standards.

**EYE:** Wear safety glasses.

**FOOTWEAR:** Impervious shoes, e.g. leather, not cloth or sandals.

**Ventilation Requirements:** A fume hood is not generally required. The room should have adequate ventilation to avoid potential for concentration of mist or vapors.

**Environmental measures:** Stop the product from entering the drainage system and the natural environment. Limit leakage with earth.

**Cleaning methods:**

**Recovery:** Absorb material with paper towel or other absorbent. Place in container for disposal. If possible, expose absorbed resin to UV light or sunlight to solidify the resin.

**Cleaning/decontamination:** Clean up with soap and water.

**Elimination:** Eliminate according to local and national regulations.

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Adhesives

## 7. HANDLING AND STORAGE

Handling:

Technical measures:

Do not reuse container. This product is for industrial use only. Practice good housekeeping and vigorous personal hygiene to minimize contact with material.

Precautions to take:

Avoid contact with skin and eyes.

Storage:

Store at 5°C to 25°C. Keep away from sunlight.

## 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Precautionary Measure:

None.

Exposure limits:

None.

Protective personal equipment:

Respiratory protection:

Not needed with normal use.

Protection for hands:

Use gloves made from an impervious material, e.g. nitrile, butyl or latex rubber. Latex rubber may soften and become pervious if also exposed to organic solvents

Eye Protection:

Wear safety glasses.

Protection from skin:

Wear clothing that provides protection to skin.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Color: Clear liquid

Odor: Slight sulfur odor

pH: Not applicable

Melting point: Not applicable

Boiling point: Not applicable

Decomposition temperature: >300°C

Flash point: 175°C

Auto ignition temperature: Not applicable

Explosive properties: None

Oxidizing properties: None

Vapor pressure: <0.1 @ 20°C

Density: >1

Solubility/Miscibility:

Solubility in water Not miscible

Viscosity: 60-80 cps @ 25°C

## 10: STABILITY AND REACTIVITY

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Advanced Polymers for High Tech Applications

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Adhesives

Conditions to avoid:

Keep away from UV and sunlight. Temperatures above 65°C may cause exothermic nonhazardous polymerization.

Substances to avoid:

None

Hazardous decomposition products:

None

## 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Ingestion: LD50: >5g/km (rats).  
Inhalation: LC50: >2.5mg/L/hr aerosol

Local effects:

On skin: slight irritating to skin.  
On eyes: irritating to eyes.

Long term toxicity:

Skin contact: May cause sensitization by skin contact.

## 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Mobility:

Cured adhesives are immobile.

General ecological:

Do not empty liquid into drains or ground water.

## 13: DISPOSAL CONSIDERATION

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Disposal Methods for product and waste:

Send to authorized disposal plants or for incineration under controlled conditions.

Disposal methods for contaminated packaging:

Do not reuse package. Send to authorized disposal plants or for incineration under controlled conditions.

You should comply with the local and national regulations in force when disposing.

## 14: TRANSPORTATION INFORMATION

Land transport (ADR/RID)

Not classified as dangerous in the meaning of land transport regulations(ADR/RID).

Shipping transport(IMD)

Not classified as dangerous in the meaning of shipping transport regulations(IMDG).

Air transport (IATA)

Not classified as dangerous in the meaning of air transport regulations(IATA).

## 15: REGULATORY INFORMATION

Symbols:

Xi Irritant

R phrases:

R22 Harmful in contact with skin and if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

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Adhesives

S phrases:

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

S37 Wear suitable gloves.

Contains:

Urethane related adhesives.

US Federal Regulations:

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below.

Europe (EINECS/ELINCS)	Listed/registered
USA (TSCA)	Listed/registered
Canada (DSL)	Listed/registered
Australia (AICS)	Listed/registered
Japan (MITI)	Listed/registered
Korea (TCCL)	Listed/registered
Philippines (PICCS)	Listed/registered
China	Listed/registered

## 16: OTHER INFORMATION

Full text of R phases indicated by codes in the material safety data sheet are as follows:

R22 Harmful in contact with skin and if swallowed

R36 Irritating to eyes.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

Custom Situation: Harmonized System (HTS/Schedule B) 35.06.91.0000

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All components of this product are in compliance with the Toxic Substances Control Act (TSCA) inventory.

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