

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond

**Product Name:**  
ÅngströmBond® AB9018-1.38 Low Refractive Index Adhesive,  
UV Cure (3cc Syringe)

**Manufacturer Part Number:**  
AB9018-1.38-3CC

► Click here for more details on the ÅngströmBond® AB9018-1.38 Low Refractive Index Adhesive, UV Cure (3cc Syringe)



ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

SDS # AB 9018-1.38

AB 9018-1.38 FROM ÅNGSTROMBOND 1

Adhesives

## Safety Data Sheet

according to OSHA HCS

**SDS #:** AB 9018-1.38

Issue Date: 7/25/2025

### Section 1: Identification

GHS Product Identifier/Name ÅNGSTROMBOND® AB 9018-1.38

Other means of identification

Product Code

Other means of identification

AB 9018-1.38

None

Relevant identified uses of the substance or mixture

Identified Uses UV/VIS Curing Adhesive

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 inquiries please contact Fiber Optic Center, Inc. at 1-800-473-4237

### Section 2: Hazard(s) Identification

#### Classification of the Substance or mixture GHS-US classification:

Acute Oral Toxicity: Cat. 4

Skin Sensitization: Cat. 1A

Eye Damage/Irritation: Cat. 2A

#### Hazard Pictograms:



Signal word:

WARNING

Issue Date: 7/25/2025

Supersedes Date: 4/14/2017

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Adhesives

## Section 2: Hazard(s) Identification

continued

### GHS Label Elements:

This product is classified and labeled according to the Globally Harmonized System (GHS).

### Hazard Statements:

H301 Toxic if swallowed  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H227 Combustible Liquid

### Precautionary Statements:

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P313: If skin irritation occurs: Get medical advice/attention  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P501 Dispose of contents/container in accordance with local, regional, national and international regulations.  
P403+P233+P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
Other Hazard: None known.

## Section 3: Composition / Information on Ingredients

Chemical Nature: Acrylate related resin based formulation

### Substances:

COMPONENTS	CAS#	% CONCENTRATION
Aliphatic Urethane Acrylate	Trade secret	5-40%
Fluorester	Trade secret	60-85%
Isobornyl Acrylate	5888-33-55	15-30%
1,6 Hexanediol Diacrylate	13048-33-4	2-10%

## Section 4: First-Aid Measures

**First Aiders should wear gloves/protective clothing, eye/face protection**

**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 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.

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## Section 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

## Section 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.

### 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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## Section 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.

## Section 8: Exposure Controls / 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.

## Section 9: Physical and Chemical Properties

Appearance	
Form:	Liquid
Color:	Clear
Odor	Acrylic odor
pH	No data available
Melting Point	No data available
Boiling Point	No data available
Flash Point	175°C
Decomposition Temperature	> 300°C
Auto-ignition Temperature	No data available
Explosive Properties	None
Oxidizing Properties	None
Density	>1
Vapor Pressure	<0.1 @ 20°C
Solubility in Water	Not Miscible
Viscosity	20-40 cps @ 25°C

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## Section 10: Stability and Reactivity

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

## Section 11: Toxicological Information

### Acute toxicity:

Ingestion: LD50 Oral (Rat): 1000-2000 mg/kg  
Method: OECD Test Guidelines 423  
Inhalation: LC50 (Rat): >3.6v mg/l  
Method: OECD Test Guidelines 403

Local effects:

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

Long term toxicity: Skin contact: May cause sensitization by skin contact.

Reproductive toxicity: No data available

## Section 12: Ecological Information

Toxicity to fish: LC50 (oncorhynchus mykiss (rainbow trout)): 0.42 mg/l  
Method: OECD Test Guidelines 203

Toxicity to daphnia & other: EC50 (Daphnia magna (water flea)): 0.35mg/l

Mobility: Cured adhesives are immobile.

General ecological: Do not empty liquid into drains or ground water.

## Section 13: Disposal Considerations

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.

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## Section 14: Transportation Information

International Regulations:

IATA-DGR UN/ID No: UN 3082 Environmentally Hazardous Substance: liquid, Class: 9  
Packing group:III,low danger(Z) Packing instruction (cargo aircraft):964  
Packing instruction (passenger aircraft):964

IMDG-Code UN number: UN 3082 Environmentally Hazardous Substance:liquid Packing group:III,  
low danger(Z)

## Section 15: Regulatory Information

Contains:

Acrylate 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

## Section 16: Other Information

This information is based on our present knowledge and believed to be correct as of the date of this SDS.

Custom Situation: Harmonized System (HTS/Schedule B) 3506.91.0000

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

SDS Creation Date: 4/14/2017

SDS Current Issue Date/Latest Revision: 9/14/2020, Revision 1

For more information: phone: 1-800-473-4237, fax: 1-508-991-8876

Prepared by Fiber Optic Center, Inc.

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**Fiber Optic Center™, Inc.**, 23 Centre Street, New Bedford, MA, 02740-6322, USA  
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