

SAFETY DATA SHEET (SDS)



Manufacturer:
ÅngströmBond®
Product Name:
ÅngströmBond® AB9070 High Refractive Index Adhesive, UV Cure (3cc Syringe)
Manufacturer Part Number:
AB9070-3CC

► Click here for more details on the ÅngströmBond® AB9070 High Refractive Index Adhesive, UV Cure (3cc Syringe)



ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

SDS # AB 9070

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ADHESIVES

Safety Data Sheet

according to OSHA HCS

SDS #: AB 9070

Issue Date: 10/31/2016

Section 1: Identification

GHS Product Identifier/Name ÅngströmBond® AB 9070

Other means of identification

Product Code

AB 9070

Other means of identification

None

Relevant identified uses of the substance or mixture

Identified Uses UV 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:

Acrylated Resin

Acrylic Monomer

Zirconium Dioxide

1 Health, H 302, H317, H319, H335

1 Flammability

1 Reactivity

B Protective equipment

Hazard Rating

4 Extreme, 3 Serious, 2 Moderate, 1 Slight, 0 Minimal, B Glove and Eye protection

Issue Date: 10/31/2016

Revision Date: 10/27/2025

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

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FOC last update 12/18/2025.

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Section 2: Hazard(s) Identification

continued

Health Risks:

H302 Harmful if swallowed
H317 May cause an allergic skin reaction
H320 Causes eye irritation
H335 May cause respiratory irritation

GHS Label Elements:

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

Hazard Pictograms:

Signal word:

WARNING



Section 3: Composition / Information on Ingredients

Chemical Name: Urethane related based information

Substances:

COMPONENTS	CAS#	EINECS#	% CONCENTRATION
Acrylated Resin*	*	*	40-60%
Acrylic Monomer*	*	*	10-30%
Zirconium Dioxide	314-23-4	215-227-2	20-45%

* The specific chemical identity and concentration is being withheld from this data sheet as a Trade Secret.

Section 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 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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ADHESIVES

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

Information on basic physical and chemical properties:

General Information

Appearance

Form:	Liquid
Color:	Yellow tint
Odor	Slight acrylate odor
pH	Not applicable
Melting Point	Not applicable
Boiling Point	Not applicable
Flash Point	165°C
Decomposition Temperature	> 300°C
Auto-ignition Temperature	Not applicable
Explosive Properties	None
Oxidizing Properties	None
Density	>1
Vapor Pressure	<0.1 @ 20°C
Solubility in Water	Not Miscible
Viscosity	4500-5500 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: No data available for mixture
Inhalation: LC50: No data available for mixture

Local effects:

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

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

Section 12: Ecological Information

Ecotoxicity: H411 Toxic to aquatic life with long lasting effects.

Mobility: Cured adhesives are immobile.

General ecological: Do not empty liquid into drains or ground water. Dispose of empty liquid container properly.

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.

Section 14: Transport 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).

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Section 15: Regulatory Information

Symbols: Xi Irritant

H phrases:

H302 Harmful if swallowed
H317 May cause an allergic skin reaction
H320 Causes eye irritation
H335 May cause respiratory irritation
H411 Toxic to aquatic life with long lasting effects

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

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: 10/31/2016

SDS Revision Date:

Reason for Revision: Update information for GHS format

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

Prepared by Fiber Optic Center, Inc.

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