

# **Manufacturer:**

ÅngströmBond®

# **Product Name:**

ÅngströmBond® AB9093 Rigid, Low Viscosity Adhesive, UV Cure (3cc Syringe)

## **Manufacturer Part Number:**

AB9093-3CC

Click here for more details on the AngströmBond® AB9093 Rigid, Low Viscosity Adhesive, UV Cure (3cc Syringe)

ngströmBond®

AB 9093 from AngstromBond

Adhesives

Advanced Polymers for High Tech Applications

### **MATERIAL SAFETY DATA SHEET**

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

Product Name: AB 9093

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 inquires 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

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.

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Signal Word: Warning

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature: Urethane related based formulation

COMPONENTS	CAS#	EINECS#	CONCENTRATION
Mercapto-ester*	*	*	35-60%
Triallyl Isocyanurate	1025-15-6	213-834-7	15-25%

<sup>\*</sup> 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

> 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

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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.

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.

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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.

### 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.

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Protection from skin:

Wear clothing that provides protection to skin.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

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: 140 cps @ 25•C

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### 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:

Hazardous decomposition products: None

### 11:TOXICOLOGICAL INFORMATION

Acute toxicity:

Ingestion: LD50: >5 g/kg (rats) Inhalation: LC50: >2.5 mg/l

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.

Cured adhesives are immobile. Mobility:

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.

S phrases:

S24 Avoid contact with skin.

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

S37 Wear suitable gloves.

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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

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

inventory.

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