

Manufacturer: ÅngströmBond®

Product Name:

ÅngströmBond[®] ÅnaeBond[™] AB101 Fast Cure Anaerobic Adhesive (10ml Adhesive and 1.75oz Primer)

Manufacturer Part Number:

AB101-10ML

Click here for more details on the ÅngströmBond® ÅnaeBond™ AB101 Fast Cure Anaerobic Adhesive (10ml Adhesive and 1.75oz Primer)



Anaebond AB 101 from AngstromBond

Adhesives

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Safety Data Sheet

	1. PRODUCT AND COMPANY IDENTIFICAT	ION
roduct Name:	AB 101	
ntended Use:	Adhesive	
	involving spill, leak, fire exposure or accident please c other inquires please contact Fiber Optic Center, Inc T	
	2. HAZARDS IDENTIFICATION	
	EMERGENCY OVERVIEW	
DANGER:	CAUSES SKIN IRRITATION.	
	MAY CAUSE AN ALLERGIC SKIN REACTION.	
	CAUSES SERIOUS EYE DAMAGE.	
	HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION SERIOUS EYE DAMAGE		2
SKIN SENSITIZATION		1
	PICTOGRAM(S)	
Precautionary Statements	PICTOGRAM(S)	
Precautionary Statements Prevention:	Avoid breathing vapors, mist, or spray. Wash thoroughly	
	Avoid breathing vapors, mist, or spray. Wash thoroughly clothing should not be allowed out of the workplace. We protective gloves. IF ON SKIN: Wash with plenty of soap and water. IF IN E several minutes. Remove contact lenses, if present and Immediately call a poison control center or physician. If	ear eye and face protection. Wear EYES: Rinse cautiously with water for easy to remove. Continue rinsing.
Prevention:	Avoid breathing vapors, mist, or spray. Wash thoroughly clothing should not be allowed out of the workplace. We protective gloves. IF ON SKIN: Wash with plenty of soap and water. IF IN E several minutes. Remove contact lenses, if present and	ar eye and face protection. Wear EYES: Rinse cautiously with water for easy to remove. Continue rinsing, skin irritation or rash occurs: Get
Prevention: Response: Storage: Disposal: Classification complies with OS	Avoid breathing vapors, mist, or spray. Wash thoroughly clothing should not be allowed out of the workplace. We protective gloves. IF ON SKIN: Wash with plenty of soap and water. IF IN E several minutes. Remove contact lenses, if present and Immediately call a poison control center or physician. If medical attention. Take off contaminated clothing. Not prescribed Dispose of contents and/or container according to Federa	ar eye and face protection. Wear EYES: Rinse cautiously with water for easy to remove. Continue rinsing. skin irritation or rash occurs: Get al, State/Provincial and local

3. COMPOSITION / INFORMATION ON INGREDIENTS
Hazardous Component(s) CAS Number Percentage*

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Advanced Polymers for High Tech Applications

Dimethacrylate ester	Proprietary	30 - 60	
Methacrylate monomer	Proprietary	10 - 30	
2-Hydroxyethyl methacrylate	868-77-9	10 - 30	
Polyurethane methacrylate resin	Unknown	5 - 10	
Acrylic acid	79-10-7	1 - 5	
Hydroxyalkyl methacrylate	27813-02-1	1 - 5	
Polyglycol dimethacrylate	Proprietary	0.1 - 1	
Methacrylic acid	79-41-4	0.1 - 1	
Cumene hydroperoxide	80-15-9	0.1 - 1	

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

	4. FIRST AID MEASURES
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remov contaminated clothing and footwear. Wash clothing before reuse. Get medi- attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 1 minutes. Get medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
Symptoms:	See Section 11.
5.	FIRE FIGHTING MEASURES
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
Unusual fire or explosion hazards:	Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.
Hazardous combustion products:	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours.
6 400	IDENTAL RELEASE MEASURES

 personnel.
 Do not allow product to enter sewer or waterways.

Clean-up	methods:	

Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to

prevent entry into water system; wear full protective equipment during cleanup. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a

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partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

Handling:

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Refer to Section 8.

Storage:

For safe storage, store at or below 38 ${\rm C}$ (100.4 ${\rm F}$) Keep in a cool, well ventilated area away from heat, sparks and open flame

Keep container tightly closed until ready for use

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Dimethacrylate ester	None	None	None	None
Methacrylate monomer	None	None	None	None
2-Hydroxyethyl methacrylate	None	None	None	3 ppm Ceiling
Polyurethane methacrylate resin	None	None	None	None
Acrylic acid	2 ppm TWA (SKIN)	None	None	1 ppm TWA 3 ppm STEL (SKIN)
Hydroxyalkyl methacrylate	None	None	None	1 ppm TWA 3 ppm STEL
Polyglycol dimethacrylate	None	None	None	None
Methacrylic acid	20 ppm TWA	None	None	None
Cumene hydroperoxide None		None	1 ppm (6 mg/m3) TWA (SKIN)	None

Engineering controls: bel

Provide adequate local exhaust ventilation to maintain worker exposure

Use chemical resistant, impermeable clothing including gloves and either

below	exposure limits.
Respiratory protection:	Use a NIOSH approved air-purifying respirator with an organic vapor cartridge. If this material is handled at elevated temperatures or under mist forming conditions, without engineering controls, a NIOSH approved respirator must be used.
Eye/face protection:	Safety goggles or safety glasses with side shields. Full face protection
onould	be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be

Skin protection: an

apron or body suit to prevent skin contact. Neoprene gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

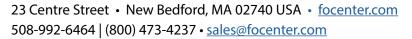
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AngströmBo	Nd®		Adhesive
anced Polymers for High Tech A	pplications		
Physical state:		Liquid	
Color:		Green	
Odor:		Characteristic	
Odor threshold:		Not available.	
pH: Vapor pressure:		Not available. Not available.	
Boiling point/range:		Not available.	
Melting point/ range:		Not available.	
Specific gravity:		1.1	
Vapor density:		Not available.	
Flash point:		93.3 °C (199.94 °F)	
Flammable/Explosive limits - Ic		Not available.	
Flammable/Explosive limits - u Autoignition temperature:	pper:	Not available. Not available.	
Autoignition temperature: Evaporation rate:		Not available.	
Solubility in water:		Not available.	
Partition coefficient (n-octanol/	water):	Not available.	
VOC content:		0.43 %; 4.74 g/l	
Viscosity:		Not available.	
Decomposition temperature:		Not available.	
	10. STAE	BILITY AND REACTIVITY	1
Stability:	Stable und	ler normal conditions of storage and	d use.
Hazardous reactions:	None unde	er normal processing.	
Hazardous decomposition Oxides of car vapours. products:		carbon. Oxides of sulfur. Oxides of	nitrogen. Irritating organic
Incompatible materials:	Peroxides	Free radical initiators. Alkali metals	5
Reactivity:	Not availal	ble.	
Conditions to avoid:		emperatures. Heat, flames, sparks a incompatible materials.	and other sources of ignition. Store
	11. TOXIC	OLOGICAL INFORMATIC	N
Relevant routes of exposure: Potential Health Effects/Sympto		tion, Eyes, Ingestion	
Inhalation:	Inhalation c	f vapors or mists of the product ma	y be irritating to the respiratory system.
Skin contact:	Causes ski	n irritation. May cause allergic skin i	reaction.
Eye contact:		ious eye damage.	Harris d
Ingestion:	May cause	gastrointestinal tract irritation if swa	ulowea.
Hazardous Component(s)		LD50s and LC50s	Immediate and Delayed Health Effects
Dimethacrylate ester		None	Irritant, Allergen
Methacrylate monomer		None	No Records
· · · · · · · · · · · · · · · · · · ·		0ral LD50 (RAT) = 11.2 g/kg	
2-Hydroxyethyl methacrylate	Or	al LD50 (RAT) = 5,050 mg/kg	Irritant, Allergen
Polyurethane methacrylate resin		None	Irritant Allorgon

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None

Irritant, Allergen

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Polyurethane methacrylate resin



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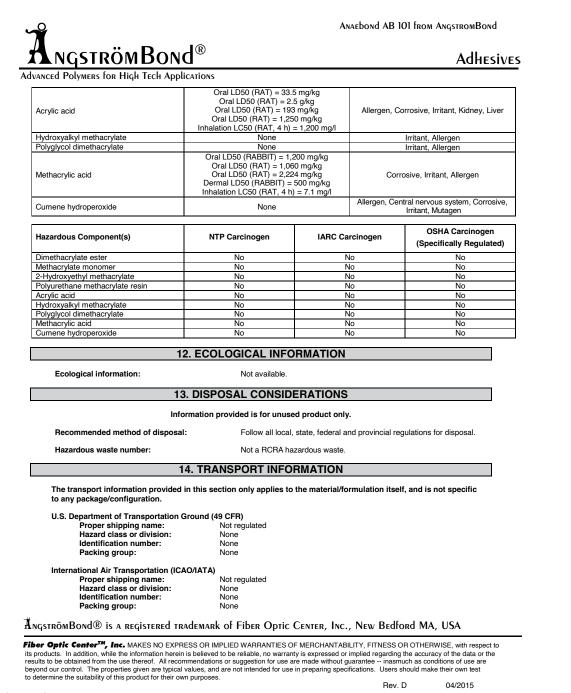
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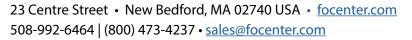
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Water Transportation (IMO/IMDG) Proper shipping name: Hazard class or division: Identification number: Packing group:

TSCA 12 (b) Export Notification:

Not regulated None None None

15. REGULATORY INFORMATION

United States Regulatory Information TSCA 8 (b) Inventory Status:

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. None above reporting de minimis

CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	None above reporting de minimis Immediate Health, Delayed Health This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To Know Act of 1986 (40 CFR 372). Acrylic acid (CAS# 79-10-7).
CERCLA Reportable quantity:	Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:

One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

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