

# SAFETY DATA SHEET (SDS)



**Manufacturer:**  
ÅngströmBond®

**Product Name:**  
ÅngströmBond® EX1138 Flexible, Thixotropic Plastic Bonding Epoxy/Urethane,  
Room Temperature Cure (2.5g)

**Manufacturer Part Number:**  
EX1138-2.5G

▶ Click here for more details on the ÅngströmBond® EX1138 Flexible, Thixotropic Plastic Bonding Epoxy/Urethane, Room Temperature Cure (2.5g)



ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

SDS # EX1138 Part A

EX1138 FROM ÅNGSTRÖMBOND 1

Adhesives

## Safety Data Sheet

according to OSHA HCS

**SDS #: EX1138 Part A**  
Issue Date: 1/18/2016

### Section 1: Identification

**GHS Product Identifier/Name**

ÅNGSTRÖMBOND® EX1138 PART A

**Other means of identification**

Product Code  
Other means of identification

EX1138  
EX1138 Part A

**Recommended use of the chemical and restrictions on use**

Identified Uses Adhesive, encapsulant, potting compound

**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:**

Signal word:

WARNING

Skin Irritation  
Eye Irritation  
Skin Sensitization  
STOT – Single Exposure

Category 2  
Category 2A  
Category 1  
Category 3 (Respiratory tract irritation)

**GHS Label Elements:**

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

**Hazard Pictograms:**



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Adhesives

## Section 2: Hazard(s) Identification

Continued

### Hazard Statements:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

### Precautionary statements:

#### Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves / eye protection / protective clothing.

#### Response:

P302+P352 IF ON SKIN: wash with soap and water.  
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

#### Storage:

P403+P235 Store in a well-ventilated place. Keep cool.

#### Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

### Other Hazards:

None

## Section 3: Composition / Information on Ingredients

### Substances:

MATERIAL	CAS No.	%
Epoxy Resin	Proprietary	< 35
Epoxy Diluent	Proprietary	< 20
Polymer Resin	Proprietary	< 50
Silica, Fumed Amorphous	67762-90-7	< 5

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## Section 4: First-Aid Measures

### Description of first aid measures:

In case of eye contact - Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.

In case of skin contact - Remove contaminated clothing/shoes and wash affected areas with water followed by washing with soap and water. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.

If swallowed - DO NOT INDUCE VOMITING. Dilute with water or milk and call a physician immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

If inhaled - Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

### Most important symptoms and effects, both acute and delayed:

No data available

### Indication of any medical attention and special treatment needed:

No data available

## Section 5: Fire-Fighting Measures

### Extinguishing Media-

#### Suitable extinguishing media:

Use water fog, alcohol foam, CO2 or dry chemical extinguishing media.

**Special hazards arising from the substance or mixture:** Carbon oxides

#### Advice for firefighters:

Material will not burn unless preheated. Firefighters should not enter confined space without full bunker gear (helmet with face shield, bunkercoats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus.

#### Further information:

Not available

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment, and emergency procedures:

Extinguish all sources of ignition. Wear appropriate clothing, gloves, goggles or glasses. Provide adequate ventilation.

### Environmental Precautions:

Do not discharge into any sewage system or waterway.

### Methods and materials for containment and cleanup:

Absorb with earth, sand, or other inert material and place in suitable containers for disposal.

### Reference to other sections:

For disposal see section 13.

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## Section 7: Handling and Storage

### Precautions for safe handling:

Observe normal standards of industrial hygiene for handling chemicals. Avoid contact with skin and eyes

### Conditions for safe storage, including incompatibilities:

Store in a cool, dry, well ventilated area. Keep containers tightly closed and away from heat, direct sunlight and ignition sources.

### Specific end uses:

Including but not limited to: bonding, encapsulating, potting operations.

## Section 8: Exposure Controls / Personal Protection

### Control Parameters:

#### Components with control parameters

MATERIAL	LIMIT VALUES
None	

\*\*\* Indicates that this material is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 et. seq. if present at greater than 1%.  
-All ingredients are listed on the TSCA inventory

### Exposure controls-

#### Appropriate engineering controls:

Mechanically exhaust vapors at points of application. Maintain airborne contaminant levels of chemicals below their recommended TLV's or PEL's.

### Personal protective equipment-

#### Skin Protection:

Avoid prolonged or repeated contact with skin. Wear impervious gloves and other clothing to prevent contact.

#### Respiratory Protection:

For confined areas or areas with poor ventilation, use an approved cartridge type, organic vapor respirator.

#### Eye Protection:

Chemical goggles or safety glasses with side shields

#### Protective Clothing:

Impervious gloves, coveralls, apron, boots as necessary to prevent skin contact.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties:

a) Appearance	
Form:	Liquid
Color:	Colorless
b) Odor:	Mild odor
c) Odor Threshold	Not determined
d) pH	Not determined
e) Melting/Freezing point	Not determined
f) Boiling Point	Not determined
g) Flash Point	> 200°C
h) Evaporation Rate	Not determined
i) Flammability (solid, gas)	Not flammable

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## Adhesives

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### Section 9: Physical and Chemical Properties

Continued

j) Upper/Lower Flammability Limits	Upper: Not determined Lower: Not determined
k) Vapor Pressure @ 20°C	Not determined
l) Vapor Density	Heavier than air
m) Specific Gravity (water=1):	1.11
n) Solubility in Water	Negligible
o) Partition coefficient: n-octanol/water	Not determined
p) Auto-ignition Temperature	Not determined
q) Decomposition Temperature	Not determined
r) Viscosity (25°C)	Not determined
s) Explosive Properties	Not determined
t) Oxidizing Properties	Not determined
u) Volatiles (by % wt.)	Negligible

**Other safety information:**  
No data available

### Section 10: Stability and Reactivity

**Reactivity:**

No data available

**Chemical Stability:**

Stable under normal conditions.

**Possibility of hazardous reactions:**

Can react vigorously with strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases

**Conditions to avoid:**

Storage in open containers, sources of ignition, high temperatures and direct sunlight.

**Incompatible materials:**

Strong oxidizing agents, strong Lewis acids or mineral acids, and strong mineral and organic bases

**Hazardous decomposition products:**

Carbon monoxide, aldehydes, acids, and other organic substances can be formed during combustion, thermal, or oxidative decomposition. Reaction with some curing agents may produce considerable heat.

### Section 11: Toxicological Information

No data available. No ingredient(s) of this product are known carcinogens to humans.

### Section 12: Ecological Information

**Toxicity:**

No data available

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

**Mobility in soil:**

No data available

**Results of PBT and vPvB assessment:**

No data available

**Other information/effects:**

Do not allow discharge into drains and waterways. Avoid ground contamination.

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SDS # EX1138 Part A

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## Section 13: Disposal Considerations

**Waste treatment methods:**  
Place in an appropriate disposal facility in compliance with local regulations.

## Section 14: Transport Information

**UN number:**  
3082  
**UN proper shipping name:**  
DOT: Not regulated for transport  
ADR/RID: Environmentally hazardous substance, liquid, n.o.s.  
IMDG: Environmentally hazardous substance, liquid, n.o.s.  
IATA: Environmentally hazardous substance, liquid, n.o.s.  
**Transport hazardous class(es):**  
9  
**Packaging group:**  
III  
**Environmental hazards:**  
Marine pollutant  
**Special precautions for user:**  
None

## Section 15: Regulatory Information

This safety datasheet complies with GHS formatting

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

### US Federal Regulations:

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and of the Code of Federal Regulations, Part 372.

Component	CAS	Weight %
None		

### SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### State Regulations:

#### California Proposition 65

This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

**Chemical Safety Assessment**  
No data available

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Adhesives

Advanced Polymers for High Tech Applications

SDS # EX1138 Part A

## Section 16: Other Information

HMS Ratings: H – 2 F – 1 R – 0

To the best of our knowledge, the information contained herein is accurate and meets all State and Federal guidelines. However, Fiber Optic Center, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of the suitability of any material is the sole responsibility of the user.

SDS Creation Date: 1/18/2016

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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