

SAFETY DATA SHEET (SDS)



Manufacturer:
ÅngströmBond

Product Name:
ÅngströmBond EX1138 Flexible epoxy/urethane for Plastic Bonding (2.5G)

Manufacturer Part Number:
EX1138-2.5G

▶ Click here for more details on the ÅngströmBond EX1138 Flexible epoxy/urethane for Plastic Bonding (2.5G)



EX1138 FROM ÅNGSTROMBOND 1

Adhesives

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

SDS # EX1138 Part A

Safety Data Sheet

according to OSHA HCS

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

Section 1: Identification

GHS Product Identifier/Name	ÅNGSTROMBOND® EX1138 PART A
Other means of identification	
Product Code	EX1138
Other means of identification	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 inquires please contact Fiber Optic Center, Inc. TM at 1-800-473-4237	

Section 2: Hazard(s) Identification

Classification of the Substance or mixture:

Signal word:	WARNING
Skin Irritation	Category 2
Eye Irritation	Category 2A
Skin Sensitization	Category 1
STOT – Single Exposure	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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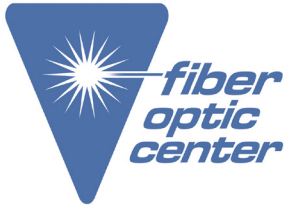
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EX1138 FROM ÅNGSTRÖMBOND 2

Adhesives

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

SDS # EX1138 Part A

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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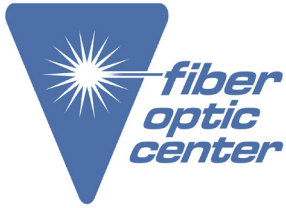
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EX1138 FROM ÅNGSTRÖMBOND 3

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SDS # EX1138 Part A

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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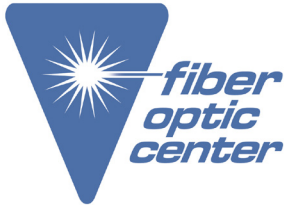
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EX1138 FROM ÅNGSTRÖMBOND 4

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SDS # EX1138 Part A

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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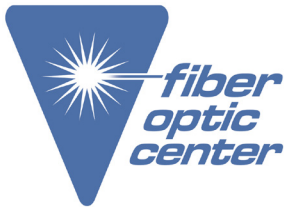
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SDS # EX1138 Part A

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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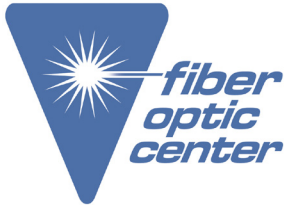
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SDS # EX1138 Part A

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.

IMG: 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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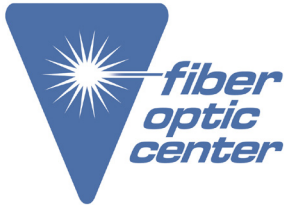
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Adhesives

Advanced Polymers for High Tech Applications

SDS # EX1138 Part A

Section 16: Other Information

HMIS 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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