

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)

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EX1138 from AngstromBond

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® EXII38 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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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

| Jubstances. | | | |
|-------------------------|-------------|------|--|
| 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

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

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 Liquid Form: 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

9) Flash Form > 200°C
h) Evaporation Rate Not determined
i) Flammability (solid, gas) Not flammable

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[&]quot;*" 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



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Upper: Not determined Lower: Not determined

Not determined

Heavier than air

Not determined Not determined

Not determined

Not determined

Not determined

Not determined

Negligible

1.11

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Section 9: Physical and Chemical Properties

Continued

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j) Upper/Lower Flammability Limits

k) Vapor Pressure @ 20°C

I) Vapor Density

m) Specific Gravity (water=1):

n) Solubility in Water

o) Partition coefficient: n-octanol/water

p) Auto-ignition Temperature

q) Decomposition Temperature

r) Viscosity (25°C)

s) Explosive Properties t) Oxidizing Properties

u) Volatiles (by % wt.)

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

Bioaccumlative 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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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):

Packaging group:

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:

<u>SARA 313</u>

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 None CAS Weight %

SARA 311/312 Hazardous Categorization

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

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



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