

SOLHYDBOND ARMATURE PART A

SECTION 1. IDENTIFICATION

Product Identifier	SOLHYDBOND ARMATURE PART A
Other Means of Identification	SOL-BONDARMA-A
Recommended Use	Epoxy Resin for Epoxy coating system.
Restrictions on Use	Use with Part B (Hardener) of this product.
Manufacturer/Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249
Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249
Emergency Phone No.	Marc Charlebois, 514-705-7198, 24 Heures / 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0328

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Acute toxicity (Dermal) - Category 5; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2B; Respiratory sensitization - Category 1B; Skin sensitization - Category 1

Label Elements



Warning

Hazard Statement(s):

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

Precautionary Statement(s):

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands thoroughly after handling.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice or attention.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

May be a health hazard in confined spaces.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Benzyl alcohol	100-51-6	1- < 5		
Polyethylene glycol octylphenyl ether, liquids	9036-19-5	1- < 5		
Bisphenol A Polyglycidyl Ether Resin	25068-38-6	< 50		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

DO NOT INDUCE VOMITING get medical advice or attention if you feel unwell or are concerned. Have victim drink several glasses of water, if conscious.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: can cause effects as described for skin contact. If on skin: repeated or prolonged exposure can irritate the skin. If inhaled: can irritate the nose and throat.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin, respiratory system, digestive system.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

Eye conditions, respiratory conditions, asthma. May cause skin sensitization.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use water to keep non-leaking, fire-exposed containers cool. Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

May accumulate in hazardous amounts at ceilings and at the top of confined spaces, resulting in a health hazard. Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; corrosive phenols.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases. Self contained NIOSH approved breathing apparatus should be available for fire fighters.

Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel.

Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Large spills or leaks: contaminated absorbent poses the same hazard as the spilled product. Dike spilled product to prevent runoff. Do not direct water at spill or source. Remove or recover liquid using pumps or vacuum equipment. Review Section 13 (Disposal Considerations) of this safety data sheet.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical. Avoid generating vapours or mists. Do not swallow. Wash hands thoroughly after handling this material. Use adequate ventilation and employ respiratory protection where dust or fumes may be generated.

Conditions for Safe Storage

Store in an area that is: cool, ventilated. Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA

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Benzyl alcohol	10 ppm					
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Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists. Breathing Vapours must be avoided.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Tychem® SL (Saranex™).

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colourless liquid. Particle Size: Not applicable
Odour	Fatty
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	>= 205 °C (401 °F)
Flash Point	> 93 °C (199 °F) (closed cup) (estimated)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	< 13 mm Hg at 20 °C
Vapour Density (air = 1)	> 1
Solubility	Practically insoluble in water; Highly soluble in aromatic hydrocarbons (e.g. toluene).
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	< 100 mm ² /s at 25 °C (kinematic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Controlled polymerizations when mixed with the part B of this material.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Reacts in the presence of heat. Releases a large amount of pressure. See "Hazardous Decomposition Products".

Conditions to Avoid

Prolonged exposure to high temperatures. Incompatible materials. Acidic conditions (low pH). Alkaline conditions (high

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pH). Temperatures above 45,0 °C (113,0 °F)

Incompatible Materials

Highly reactive. Oxidizing agents (e.g. peroxides), amines (e.g. triethylamine).

Hazardous Decomposition Products

When exposed to very high temperatures will release very toxic carbon monoxide, carbon dioxide. may include ,and are not limited to: oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Eye contact; skin contact; inhalation; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Benzyl alcohol	> 1000 mg/L (rat) (4-hour exposure) (vapour)	1360 mg/kg (mouse)	2000 mg/kg (rabbit)
Bisphenol A Polyglycidyl Ether Resin	> 791 mg/m ³ (rat) (4-hour exposure) (dust)	30000 mg/kg (rat)	23500 mg/kg (rabbit)

LC50: Not applicable.

LD50 (oral): Not applicable.

LD50 (dermal): Not applicable.

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals. Repeated or prolonged exposure can irritate or burn the skin. This product can cause sensitization of the skin.

Serious Eye Damage/Irritation

Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful nose and throat irritation.

Skin Absorption

May be harmful Symptoms may include redness, rash, swelling and itching.

Ingestion

May be harmful irritation of the mouth, throat and stomach.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

May cause an allergic reaction (skin sensitization) based on limited evidence.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

Does not cause effects on sexual function or fertility.

Effects on or via Lactation

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No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long lasting harmful effects to aquatic life, for the product itself.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Benzyl alcohol	10 mg/L (Lepomis macrochirus (bluegill); 96-hour)			

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions

Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Product is included on DSL(INVENTORY).

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 0**

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Key to Abbreviations NIOSH = National Institute for Occupational Safety and Health

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References	OSHA = US Occupational Safety and Health Administration IARC = International Agency for Research on Cancer ACGIH® = American Conference of Governmental Industrial Hygienists CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). Reptox - CSST- Quebec.
Disclaimer	We declare the information contained herein are correct. However, we decline all responsibility as to the exactness and the usage of the later.

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