



Security data sheet

SOLHYDBOND THIXO-Part B

SECTION 1: IDENTIFICATION

Product identifier	SOLHYDBOND THIXO-Part B
Other means of identification	SHR-THIXO-B
Recommended use	Coating epoxy resin hardener.
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 telephone number	Marc Charlebois, 514-705-7198, 24 Hours / 7 Days CANUTEC, 613-996-6666, 24HR/7Days
SDS number	0309

SECTION 2: HAZARDS IDENTIFICATION

Classified according to the Canadian Hazardous Products Regulations (WMIS 2015) and the United States Hazard Communication Standard (HCS 2012).

Classification

Acute toxicity (oral) - category 4; Skin corrosion - category 1A; Serious eye damage - category 1; Respiratory sensitization - category 1B; Skin sensitization - category 1; Germ cell mutagenicity - category 1B; Carcinogenicity - category 1A; Reproductive toxicity - category 2; Acute hazards for the aquatic environment - category 2

Label elements



Signal word: Danger May be

corrosive
to metals.

Toxic by ingestion or skin contact.

Can cause cutaneous allergy.
Causes serious eye damage.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May irritate the respiratory tract.

Harmful to aquatic organisms.

Precautionary statement(s):

Prevention:

Do not handle until you have read and understood all safety precautions.

Keep the container tightly closed.

Do not breathe dust/fumes/gas/mist/vapours/spray. Avoid contact with eyes, skin or clothing.

Wash hands and skin thoroughly after handling.

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

~~IF SWALLOWED:~~ SOLHYDBOND THIXO-Part B Response: IF

~~IF IN MOUTH:~~ Do NOT induce vomiting.

~~IF SWALLOWED:~~ Call a Poison Control Center or doctor immediately.

~~IF ON SKIN (or hair):~~ Remove contaminated clothing immediately. Rinse skin with water/shower.

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if the victim wears them and they can be easily removed.

Continue rinsing.

IF exposure is proven or suspected: Seek medical advice or consult a doctor.

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

Intervention:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Call a Poison Control Center or doctor immediately.

IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse the skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove the contact lenses if the victim wears them and they can be easily removed. Continue rinsing.

IF exposure is proven or suspected: Seek medical advice or consult a doctor.

If eye irritation persists: Seek medical advice/Consult a doctor.

If you experience respiratory symptoms: Call a Poison Control Center or doctor.

Absorb any spilled substance to prevent it from attacking surrounding materials.

Storage :

Store in a well-ventilated area. Keep the container tightly closed.

Disposal:

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Blend:

Chemical name	CAS number	%	Other identifiers
4-Nonylphenol	84852-15-3	<40	
Bisphenol A	80-05-7	<40	
1,3-Cyclohexanedimethanamine	2579-20-6	<40	
Silica, quartz	14808-60-7	<40	
Phenol, 2,4,6-tris(dimethylaminomethyl)-	90-72-2	<5	
Benzyl alcohol	100-51-6	<5	
1,2-DIAMINOCYCLOHEXANE	694-83-7	<5	
Stoddard solvent	8052-41-3	<1	

SECTION 4: FIRST AID

First aid measures

Inhalation

Remove to fresh air. Keep at rest in a comfortable position for breathing. If breathing is interrupted, qualified personnel should begin artificial respiration.

Skin contact

Rinse gently and thoroughly with lukewarm water and mild soap for 5 minutes. If abrasion or burns, seek medical attention necessary, untreated wounds immediate corrosion of the skin heal slowly and difficulty.

Eye contact

Immediately rinse contaminated eyes with lukewarm water, gently, for 15 to 20 minutes, while maintaining eyelids open. Remove contact lenses if the victim wears them and they can be easily removed. removed. Call a Poison Control Center or doctor immediately and follow their advice.

Ingestion

DO NOT induce vomiting unless medically advised, call a Poison Control Center or doctor immediately. A specific treatment is necessary.

First aid comments

Some of the recommended first aid measures require advanced first aid training.

Most important symptoms and effects, whether acute or delayed

In case of skin contact: may burn the skin. May cause permanent scarring. In case of contact with Eyes: May cause moderate to severe irritation. May cause serious eye damage. May irritate or burn

Product permanent SOOTY BONDING may result. Steam can cause laceration, conjunctivitis and corneal edema when absorbed into eye tissues if inhaled and/or if swallowed: may cause serious irritation to the nose and throat. Respiratory tract sensitizer.

May cause asthma or asthma-like reaction in some people. May burn lips, tongue, throat and stomach.

Eyes: May cause moderate to severe irritation. May cause serious eye damage. May irritate or burn eyes. Permanent damage, including blindness, could result. Vapor may cause laceration, conjunctivitis and corneal edema when absorbed into eye tissues if inhaled and/or if swallowed: may cause severe nose and throat irritation. Respiratory tract sensitizer.

May cause asthma or asthma-like reaction in some people. May burn lips, tongue, throat and stomach.

Immediate medical attention or special treatment

Target organs

Digestive system, eyes, lungs, skin.

Special Instructions Medical

conditions may be accentuated with exposure to this product: Asme. or other pulmonary conditions such as bronchitis, emphysema and hyper gill activity and skin allergies and Ezema.

Health problems aggravated by exposure to the product

Dermatitis, asthma,

skin allergies, respiratory problems.

SECTION 5: MEASURES TO TAKE IN CASE OF FIRE

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, suitable extinguishing foam, water spray or water mist.

Unsuitable extinguishing agents

High pressure water jet.

Specific product hazards

Extremely flammable gas. Can easily ignite. May easily form an explosive mixture on contact with air at room temperature.

May include but not limited to Carbon Oxides, very toxic carbon monoxide and carbon dioxide. **Personal protective equipment and precautions for firefighters** Approach fire upwind to avoid hazardous vapors or gases. Use

Bunker gear and respiratory protection (SCBA).

Chemical protective clothing and positive pressure SCBA may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures

Evacuate the area immediately. Isolate the danger zone. Do not allow unnecessary or unprotected personnel to enter.

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Remove or isolate incompatible materials and other hazardous materials. Contain the area to prevent spread.

Environmental precautions

Prevent entry into sewers, soil, or watercourses.

Methods and materials for containment and clean-up

Dike spilled product to prevent runoff. Remove or recover liquid using pumps or suction equipment. Store recovered product in appropriate containers with the following characteristics: corrosion resistant.

SECTION 7: HANDLING AND STORAGE

Safety Precautions for Handling

Do not inhale this product. Avoid contact with eyes, skin or clothing. Avoid release into the environment. Seek medical advice or consult a doctor after any exposure. Symptoms may be delayed. Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. NO SMOKING. Avoid sources of ignition. Use tools that do not produce sparks. **DO NOT** Product Identifier: SOLHYDBOND THIXO-Part B eat, drink or store food in the workplace. Remove contaminated clothing

and protective equipment. SDS No. 0309 after leaving the workplace or leaving the work area. Have clothes cleaned before Preparation Date to wear them again. protection if dust or vapors are present.

be delayed. Keep away from heat, hot surfaces, sparks, open flames, and any other source of ignition. NO SMOKING. Avoid sources of ignition. Use tools that do not produce sparks. NOT eating, drinking or storing food in the workplace. Remove protective clothing and equipment contaminated before entering dining rooms or leaving the workplace. Have clothes cleaned before wear them again. Inform laundry staff of product risks. Use ventilation and use respiratory protection if dust or vapors are present.

Storage safety conditions

Store in an area having the following characteristics: cool, well ventilated, secure and isolated from storage areas. work. Store away from heat and flame.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Settings

Chemical name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Silica, quartz	0.025 mg/m3 A2 RSEN		0.1 mg/m3			
Benzyl alcohol	10ppm					

Appropriate engineering controls

Use an enclosure with local exhaust ventilation, if applicable, to control the quantity of product in the air.

Individual protection measures

Eye and face protection

Wear chemical goggles and face shield if contact is possible.

Skin protection

Wear waterproof chemical protective clothing and respiratory protection autonomous (APRA).

Respiratory protection

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Basic physical and chemical properties

Amber appearance . Particle size: Not available

Smell Similar to ammonia

Olfactory threshold Not available

pH Not available

Melting Point/Cooling Point Not available (merge); Not available (freezing)

freezing

Initial boiling point and boiling area Not available

Flash point 205°F

Evaporation rate Not available

Flammability (solids and gases) Not available

Upper/lower limits Not available (superior); Not available (lower)

Flammability or

Explosibility

Vapor pressure Not available

Vapor density Not available

Relative density (water = 1) > 1.04

Solubility Dispersible in water; Not available (in other liquids)

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Solubility	Dispersible in water; Not available (in other liquids)
Sharing coefficient n-octanol/water	Not available
Decomposition temperature	Not available
Viscosity	Not available (cinematic); Not available (dynamic)
Other information	
Physical state	Liquid
Molecular formula	Not available
Molecular weight	Not available
Bulk density	Not available
Surface tension	Not available
Critical temperature	Not available
Vapor pressure at 50°C	Not available
Concentration of vapors at saturation	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Unknown.

Chemical stability

Usually stable.

Risk of hazardous reactions

Heat. May cause an explosion. See "Hazardous decomposition products".

Conditions to avoid

Heat. Open flames, sparks, electrostatic discharge, heat and other sources of ignition. Temperatures above 202.0°F (94.4°C)

Incompatible materials

Oxidizing agents (e.g. peroxides), organic acids (e.g. acetic acid). Isocyanates.

Hazardous decomposition products

Corrosive acetic acid; nitrogen oxides.

SECTION 11: TOXICOLOGICAL DATA

acute toxicity

Chemical name	CL50	LD50 (oral)	LD50 (cutaneous)
Silica, quartz		500 mg/kg (rat) (dust)	
Bisphenol A	> 255 mg/m ³ (rat)	3300 mg/kg (rat)	3600 mg/kg (rabbit)
1, 3- Cyclohexanedimethanamine		880 mg/kg (rat)	
Benzyl alcohol	> 1000 mg/L (rat) (4 hours exposure) (steam)	1360 mg/kg (mice)	2000 mg/kg (rabbit)

Skin Corrosion/Irritation

May cause moderate to severe irritation based on information for very similar materials. It exists limited evidence of skin corrosion.

Serious eye damage/eye irritation

May cause serious eye damage based on information for very similar materials. May cause corneal damage or blindness.

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corneal damage or blindness.

Specific Target Organ Toxicity - Single Exposure

Inhalation

A single exposure to a high concentration can cause a long-term illness such as asthma. In this case, many factors like other chemicals or cold temperatures can easily irritate the respiratory tract. Symptoms may include shortness of breath, chest tightness, and wheezing. May cause respiratory tract irritation.

Absorption through skin

May cause sensitization repeated exposure may cause skin breakdown or dermatitis.

Ingestion

Severe irritation or burns to the mouth, throat and stomach. Symptoms may include nausea, vomiting, abdominal cramps and diarrhea.

Specific target organ toxicity - Repeated exposure

May cause irritation of the respiratory system. There have been cases of damage to the respiratory tract, sensitivity of the skin to sunlight (ultraviolet radiation). Symptoms may include redness, rash, swelling and itching. May cause inflammation and blisters.

Respiratory or skin sensitization

Respiratory sensitizer. May cause serious asthma-like symptoms (airway sensitization) based on information for very similar chemicals. Skin sensitizer.

Carcinogenicity

Chemical name	CIRC	ACGIH®	NTP	OSHA
Silica, quartz	Group 1	A2		

SECTION 12: ECOLOGICAL DATA

No environmental information was found. **Ecotoxicity**

May cause long-term adverse effects in the aquatic environment.

Acute hazards for the aquatic environment

Chemical name	LC50 for fish 4.5-5 mg/L	EC50 for shellfish	CEr50 for aquatic plants	CEr50 for algae
Bisphenol A	(Pimephales promelas (fathead minnow); 96 hours) 10 mg/L			
Benzyl alcohol	(Lepomis macrochirus (bluegill); 96 hours)			

Long-term dangers for the aquatic environment

Chemical name	NOEC for fish 3.64 mg/L	EC50 for fish	NOEC for shellfish	EC50 for shellfish
Bisphenol A	(Oncorhynchus mykiss (rainbow trout); 28 days)			

Persistence and degradation

No information found.

Bioaccumulative potential

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Bioaccumulation potential

No information was found.

Mobility in the ground

No information was found.

Other harmful effects

No information available.

SECTION 13: DISPOSAL DATA**Elimination methods**

The required assessment of the risks associated with the waste and compliance with applicable laws relating to hazardous waste is the responsibility of the user. Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14: TRANSPORT INFORMATION

Regulation	UN number	Proper shipping name	Class(es) of group relating to transport 8	Hazard packaging for
Canadian TDG 1760		Corrosive liquid NOS (Alkaline Amine)		III

Special precautions Not applicable**Carriage in bulk under Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

SECTION 15: REGULATORY INFORMATION**Safety, health and environmental regulations****Canada****WHMIS Classification 1988**Category D2A; Category E
D2B

D2A - Very toxic materials; D2B - Toxic materials; E - Corrosive materials

SECTION 16: OTHER INFORMATION**NFPA Hazard Rating**

Health - 2 Flammability - 1

Instability - 1

SDS prepared by

BMQ SOLUTIONS

Phone number 877-267-7249**Date of most recent revised version** November 10, 2016**Meaning of abbreviations**

ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® GuidelineFoundation. HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer NFPA = National Fire Prevention

Association NIOSH = National Institute for Occupational Safety and Health OSHA = United States Occupational Safety and Health Administration CHEMINFO Database. Canadian Center for Occupational Health and Safety

References

(CCOHS).

NIOSH Pocket Guide Database. National Institute for Occupational Safety and Health.

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Accessible through the Canadian Center for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault of 0807 Systèmes/BIOVIA ("BIOVIA"). A possible Canadian Center for Occupational Health and Safety (CCOHS).

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Notice

We believe the above information to be accurate. However, we decline all responsibility
for the reliability and use of these

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