

SOLHYDBOND THIXO PART A**SECTION 1. IDENTIFICATION**

Product Identifier	SOLHYDBOND THIXO PART A
Other Means of Identification	SOL-BOND-THIXO-A
Other Identification	TD5323122NC
Product Family	Bonding Agent Epoxy
Recommended Use	For vertical application bonding/patching agent.
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. 0229

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Eye irritation - Category 2B; Skin sensitization - Category 1; Germ cell mutagenicity - Category 1B; Carcinogenicity - Category 1A

Label Elements

Signal Word:

Danger

Causes skin and eye irritation.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

Precautionary Statement(s):

Prevention:

Wash hands and skin thoroughly after handling.

Do not breathe dust/fume/gas/mist/vapours/spray.

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

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

Obtain special instructions before use.

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

Response:

Product Identifier: SOLHYDBOND THIXO PART A - Ver. 1
Date of Preparation: juin 09, 2016
Date of Last Revision: mars 01, 2021

SDS No.: 0229

Page 01 of 06

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 IF exposed or concerned: Get medical advice or attention.
 Get medical advice or attention if you feel unwell.
 Take off contaminated clothing and wash it before reuse.
Storage:
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
Disposal:
 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Diglycidyl ether of bisphenol A-based epoxy resins, low molecular weight solids	25068-38-6	50 -< 98		
Trimethylolpropane triacrylate	15625-89-5	5 - < 10		
Silica, quartz	14808-60-7	5 - < 10		
Stoddard solvent	8052-41-3	0.1 - < 1		
Titanium dioxide	13463-67-7	0.1 - -< 1		
Oxirane, 2, 2'-[(1-methylethylidene)bis(4, 1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	0.1 - < 1		
		0.1 < 1.0		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Apply artificial respiration if breathing has stopped if exposed or concerned, get medical advice or attention.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If abrasion or burns, seek medical attention a soothing ointment could be applied after washing skin.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Do not use eye ointment.

Ingestion

DO NOT INDUCE VOMITING have victim drink water or milk, if conscious never give liquid to an unconscious person. If vomiting is inevitable, prevent aspiration by keeping the victims head below the knee take off any tight items of clothing that may be confining. If exposed or concerned, get medical advice or attention.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled and/or swallowed: can cause severe irritation of the nose and throat. Vapour can cause laceration,

Product Identifier: SOLHYDBOND THIXO PART A - Ver. 1
 Date of Preparation: juin 09, 2016
 Date of Last Revision: mars 01, 2021

SDS No.: 0229

Page 02 of 06

conjunctivitis, and corneal edema when absorbed into eye tissue can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract can cause nausea, vomiting or weakness.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, digestive system, skin, respiratory system.

Special Instructions

Medical conditions aggravated by exposure: Asthma. other respiratory disorders(Bronchitis, emphysema and bronchial hyper activity) skin allergies and Eczema. Symptoms may not appear immediately.

Medical Conditions Aggravated by Exposure

May cause skin sensitization asthma, dermatitis, eye conditions, respiratory conditions, skin conditions.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use foam or other suitable extinguishing agent. Use water to keep non-leaking, fire-exposed containers cool.

Specific Hazards Arising from the Product

Reactive flammable.

Very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases. Wear full Bunker gear and respiratory protection (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. Keep away from humidity.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Large spills or leaks: dike spilled product to prevent runoff. Remaining liquid may be taken up with sand, clay, earth, floor absorbent or other absorbent material and shoveled into container remove from all ignition sources keep away from humidity.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Use adequate ventilation and employ respiratory protection where dust or fumes may be generated do not get in eyes, on skin or on clothing. Keep away from source of ignition keep containers tightly closed when not in use or empty. Do not puncture or incinerate container even when empty. Do NOT smoke in work areas. Wash hands thoroughly after handling this material. See Section 13 (Disposal Considerations) of this safety data sheet.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, out of direct sunlight and away from heat and ignition sources. Keep the container away from moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Identifier: SOLHYDBOND THIXO PART A - Ver. 1
Date of Preparation: juin 09, 2016
Date of Last Revision: mars 01, 2021

SDS No.: 0229

Page 03 of 06

Control Parameters

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			
Stoddard solvent	100 ppm C		500 ppm C			
Titanium dioxide	10 mg/m3					

Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Concentrations greater than TLV can occur when MDI is used in a poorly ventilated area. In such cases, or whenever concentrations of MDI exceed the TLV, respiratory protection must be worn. A supplied air respirator or a positive pressure self-contained breathing apparatus is recommended. In situations where MDI is not sprayed or heated and a supplied air or self-contained apparatus is unavailable or its use impractical, at least an air purifying respirator equipped with an organic cartridge and a particulate filter must be worn. However, this should be permitted only for short periods of time (less than one hour) at relatively low concentrations (at or near the TLV). However, due to the poor warning properties of MDI, proper fit and timely replacement of filter elements must be insured. Observe OSHA Regulations for respirator usage (29 CFR Part 1910.134).

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

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

Respiratory Protection

When ventilation is inadequate wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White.
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	149 °C (300 °F)
Flash Point	177 °C (351 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Vapour Density (air = 1)	Not available
Solubility	Slightly soluble in water
Auto-ignition Temperature	Not available
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available
Critical Temperature	Not available

SECTION 10. STABILITY AND REACTIVITY

Product Identifier: SOLHYDBOND THIXO PART A - Ver. 1
Date of Preparation: juin 09, 2016
Date of Last Revision: mars 01, 2021

SDS No.: 0229

Page 04 of 06

Reactivity

Can undergo vigorous polymerization.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Polymerizes in the presence of amines.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Stoddard solvent	> 5500 mg/m3 (rat) (4-hour exposure) (mist)	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)
Diglycidyl ether of bisphenol A-based epoxy resins, low molecular weight solids	> 791 mg/m3 (rat) (4-hour exposure) (dust)	30000 mg/kg (rat)	23500 mg/kg (rabbit)
Titanium dioxide	> 6820 mg/m3 (rat) (4-hour exposure) (dust)	> 25000 mg/kg (rat) (dust)	> 10000 mg/kg (rabbit) (dust)
Oxirane, 2, 2'-[(1-methylethylidene)bis (4, 1-phenyleneoxymethylene)] bis-, homopolymer		> 5000 mg/kg (rat)	20000 mg/kg (rabbit)

Skin Corrosion/Irritation

There is limited evidence of moderate or severe irritation.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials. Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

May be harmful based on information for closely related materials. Symptoms include burning, sneezing and coughing.

Skin Absorption

Repeated exposure can cause produce local skin destruction or dermatitis. Can cause sensitization.

Ingestion

Harmful based on information for closely related materials.

Respiratory and/or Skin Sensitization

Skin sensitizer. May cause an allergic reaction (skin sensitization) based on limited evidence. Can produce respiratory tract irritation.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
---------------	------	--------	-----	------

Product Identifier: SOLHYDBOND THIXO PART A - Ver. 1

SDS No.: 0229

Date of Preparation: juin 09, 2016

Date of Last Revision: mars 01, 2021

Page 05 of 06

Silica, quartz	Group 1	A2	Known carcinogen	
----------------	---------	----	------------------	--

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long term adverse effects in aquatic environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Do not dispose into drains, waterways or sewers. Do not reuse empty containers. Do not heat or cut empty container with electric or gas torch. May be highly toxic.

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

SECTION 16. OTHER INFORMATION

SDS Prepared By BMQ SOLUTIONS

Phone No. 877-267-7249

Date of Preparation juin 09, 2016

Date of Last Revision mars 01, 2021

Revision Indicators The following SDS content was changed on février 24, 2019:
SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values.

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
IARC = International Agency for Research on Cancer
NIOSH = National Institute for Occupational Safety and Health
OSHA = US Occupational Safety and Health Administration
NTP = National Toxicology Program
AIHA® = AIHA® Guideline Foundation

References NIOSH Pocket Guide database. National Institute for Occupational Safety and Health.
Available from Canadian Centre for Occupational Health and Safety (CCOHS). CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer We declare the information contained herein are correct. However, we decline all responsibility as to the exactness and the usage of the later.

Product Identifier: SOLHYDBOND THIXO PART A - Ver. 1

SDS No.: 0229

Date of Preparation: juin 09, 2016

Date of Last Revision: mars 01, 2021

Page 06 of 06