

SOLHYDGROUT HS-PART B**SECTION 1. IDENTIFICATION**

Product Identifier	SOLHYDGROUT HS-PART B
Other Means of Identification	SOL-GROUT-HS-B
Product Family	Durcisseur Epoxy Revetement-Partie B
Recommended Use	Epoxy Hardener for Epoxy coating system.
Restrictions on Use	Use with Part A (resin) of this product.
Manufacturer/Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249, www.lafarge.ca/en/bmq-solutions
Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249, www.lafarge.ca/en/bmq-solutions
Emergency Phone No.	Marc Charlebois, 514-705-7198, 24 Heures / 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0199

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Flammable liquid - Category 2; Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 3; Skin corrosion - Category 1C; Serious eye damage - Category 1; Respiratory sensitization - Category 1B; Skin sensitization - Category 1

Label Elements

Signal Word:

Danger

Hazard Statement(s):

Flammable liquid and vapour.

Causes skin irritation.

Causes severe skin burns and eye damage.

Harmful in contact with skin.

Harmful if inhaled.

Causes serious eye damage.

May be harmful if swallowed.

Precautionary Statement(s):

Prevention:

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

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

Wash hands thoroughly after handling.

In case of inadequate ventilation wear respiratory protection.

May cause allergy or asthma symptoms or breathing difficulties if inhaled. NIOSH approved air-purifying respirator with an organic vapour cartridge

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation occurs: Get medical advice/attention.

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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.

Storage:

Store in a well-ventilated place. Keep cool.

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
Isophorone diamine	2855-13-2	>63	
4-Nonylphenol, branched (mixed isomers)	84852-15-3	>48	
Benzyl alcohol	100-51-6	>28	

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. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. 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.

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. The vapour also irritates or burns the skin. Permanent scarring can result. If on skin: repeated or prolonged exposure can irritate the skin. If inhaled: may cause moderate to severe irritation. Symptoms may include coughing, choking, shortness of breath, difficult or rapid breathing and wheezing. May cause respiratory irritation.

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

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

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. Heating increases the release of toxic vapour.

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. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or explosive atmosphere. Evacuate area. Fight fire from a safe distance or a protected location. Wear full Bunker gear and respiratory protection (SCBA).

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

Minimize the use of water to prevent environmental contamination. Do not allow into any sewer, on the ground or into any waterway.

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. Contaminated absorbent poses the same hazard as the spilled product. 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

Avoid breathing in this product. Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical. Do not swallow. Wash hands thoroughly after handling this material. Use adequate ventilation and employ respiratory protection where dust or fumes may be generated only use where there is adequate ventilation. Launder clothes before re-wearing. Inform laundry personnel of product hazard(s). Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system).

Conditions for Safe Storage

Store in an area that is: ventilated, cool. Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Benzyl alcohol	10 ppm					

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. TWA = Time-Weighted Average.

Appropriate Engineering Controls

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

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Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

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

Respiratory Protection

Not normally required if product is used as directed. When ventilation is inadequate 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.
Odour	Aromatic
Odour Threshold	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	< 120 °C (248 °F) (method not specified)
Flammability (solid, gas)	Not applicable
Vapour Pressure	0.05 mm Hg
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

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

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Reacts in the presence of heat. See "Hazardous Decomposition Products".

Conditions to Avoid

Prolonged exposure to high temperatures.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Corrosive liquid information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Isophorone diamine		1030 mg/kg (rat) (4-hour exposure)	1840 mg/kg (rabbit) (4-hour exposure)
Benzyl alcohol	> 1000 mg/L (rat) (4-hour exposure) (vapour)	1360 mg/kg (mouse)	2000 mg/kg (rabbit)
4-Nonylphenol, branched		307 mg/kg (male mouse)	2040 mg/kg (rabbit)

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(mixed isomers)

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

May cause cornea damage or blindness symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful nose and throat irritation. May cause respiratory tract irritation.

Skin Absorption

May be harmful can cause sensitization.

Ingestion

May be harmful Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Conclusions cannot be drawn from the limited studies available.

Respiratory and/or Skin Sensitization

Skin sensitizer.

No information was located for: STOT (Specific Target Organ Toxicity) - Single Exposure, Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Ecotoxicity

Studies were not located.

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

Considered not to degrade rapidly, because no data regarding degradability are available.

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

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

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
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Canadian TDG	1760	Corrosive liquid N.O.S.	8	II
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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

All Ingredients are 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

SDS Prepared By BMQ SOLUTIONS

Phone No. 877-276-7249

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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

References CHEMINFO database. 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.

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