

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

<b>Product Identifier</b>	SOLHYDGROUT HS-PART B
<b>Other Means of Identification</b>	SOL-GROUT-HS-B
<b>Product Family</b>	Durcisseur Epoxy Revetement-Partie B
<b>Recommended Use</b>	Epoxy Hardener for Epoxy coating system.
<b>Restrictions on Use</b>	Use with Part A (resin) of this product.
<b>Manufacturer/Supplier Identifier</b>	SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydroc.com
<b>Supplier Identifier</b>	SOLHYDROC INC., 2909 Powerscourt, Athelstan, Québec, J0S 1A0, Marc Charlebois, 888-765-4937, www.solhydroc.com
<b>Emergency Phone No.</b>	Marc Charlebois, 514-705-7198, 24 Hres/ 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
<b>SDS No.</b>	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**

<b>Chemical Name</b>	<b>LC50 Fish</b>	<b>EC50 Crustacea</b>	<b>ErC50 Aquatic Plants</b>	<b>ErC50 Algae</b>
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**

<b>Regulation</b>	<b>UN No.</b>	<b>Proper Shipping Name</b>	<b>Transport Hazard Class(es)</b>	<b>Packing Group</b>
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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** SOLHYDROC

**Phone No.** 450-264-9799

**Date of Preparation** mai 16, 2016

**Date of Last Revision** mai 16, 2016

**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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