

SOLHYDPLUG**SECTION 1. IDENTIFICATION**

Product Identifier	SOLHYDPLUG
Other Means of Identification	SOL-PLUG
Recommended Use	Mortar concrete repair based on Portland cement, very early setting.
Manufacturer/Supplier Identifier	SSOLUTIONS, 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.	0187
Date of Preparation	mai 13, 2016

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1; Respiratory sensitization - Category 1; Skin sensitization - Category 1; Carcinogenicity - Category 1A; Reproductive toxicity - Category 1B; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 1

Label Elements

Danger

Hazard Statement(s):

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause cancer.

May damage fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure.

May cause respiratory irritation.

Prevention:

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

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

Obtain special instructions before use.

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

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

Use only outdoors or in a well-ventilated area.

Do not breathe dust.

Response:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

Rinse mouth.

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

Immediately call a POISON CENTRE or doctor.

IF ON SKIN: Wash with plenty of water/

Take off immediately all contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice or attention.

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

Call a POISON CENTRE or doctor if you feel unwell.

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

Contains ingredients -in there powdered form -that are suspected of cancer caused by overexpose to the dust and Respirable fractions.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Silica, quartz	14808-60-7	<78	
Portland cement	65997-15-1	<63	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell. Can cause respiratory irritation or lung damage avoid mouth-to-mouth contact by using a barrier device. Apply artificial respiration if breathing has stopped.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs, get medical advice or attention. If abrasion or burns, seek medical attention for severe exposures get under safety shower after having removed clothing.

A soothing ointment could be applied after washing skin for rashes, burns, dermatitis and prolonged unprotected exposure to wet cement seek medical attention.

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. If eye irritation persists, get medical advice or attention. Seek medical attention for abrasion and burns.

Ingestion

Have victim drink several glasses of water, if conscious never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned. If vomiting is inevitable, prevent aspiration by keeping the victims head below the knee immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

If in eyes: can cause thermal burns from heat released when it reacts with water. Symptoms include pain, redness, and swelling. If on skin: may cause skin and eye irritation. May cause burns in presence of moisture do not allow product to harden or have prolonged contact with skin or around body parts if inhaled: may cause respiratory irritation in rare cases, may cause asthma or an asthma-like reaction. Can cause severe lung injury. Can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract.

Immediate Medical Attention and Special Treatment

Target Organs

Respiratory system, eyes, skin, digestive system, lungs.

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Special Instructions

Symptoms may not appear immediately.

Medical Conditions Aggravated by Exposure

Respiratory conditions, skin conditions, dermatitis.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

Not known to generate any hazardous decomposition products in a fire. may include but not limited to Carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapours or gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Allow the product to dry and harden.

Environmental Precautions

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

Methods and Materials for Containment and Cleaning Up

Do not direct water at spill or source. Avoid generating dust. Avoid dry sweeping. If necessary, use a dust suppressant such as water. Do not use compressed air for clean-up. Wear suitable protective equipment small spills or leaks: do not direct water at spill or source. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Large spills or leaks: dike spilled product to prevent runoff. Get expert advice before treating the spilled product with other chemicals to make it less hazardous.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid generating dusts. Use adequate ventilation and employ respiratory protection where dust or fumes may be generated avoid repeated or prolonged skin contact. Do not get in eyes. Avoid breathing in this product. Wear personal protective equipment to avoid direct contact with this chemical. Avoid high ambient temperatures and humidity.

Conditions for Safe Storage

Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). Store in the original, labelled, shipping container. Avoid dust build up keep the container away from moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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			
Portland cement	1 mg/m3 (E) RSEN		15 mg/m3 (E) RSEN			

Appropriate Engineering Controls

Avoid breathing dust keep exposure levels below the exposure limits use local exhaust ventilation, if general ventilation

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is not adequate to control amount in the air. Special (local) ventilation will be needed in areas where vapours are expected to be vented provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

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

Skin Protection

Wear suitable waterproof gloves wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved particulate respiratory equipped with an N95, R95, or P95 filter. When ventilation is inadequate wear a NIOSH approved air-purifying respirator with N100, R100, or P100 filter(s).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Dark grey - brown fine powder.
Odour Threshold	Not available
pH	10.5 - 11.5
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	2.7 - 3.0 at 20 °C
Solubility	Dispersible in water; Insoluble in ketones (e.g. acetone).
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Other Information	
Physical State	Solid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable. Keep in a dry storage area.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Heat. Water, moisture or humidity.

Incompatible Materials

Forms corrosive chemicals on contact with: water.

Hazardous Decomposition Products

May include ,and are not limited to: oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

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Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Silica, quartz		500 mg/kg (rat) (dust)	

Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials. May burn the skin. Permanent scarring may result.

Serious Eye Damage/Irritation

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

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause respiratory tract irritation may cause serious lung disease acute silicosis symptoms shortness of breath, fever, cough and weight loss, could cause death.

Skin Absorption

Can cause effects as described for inhalation. Symptoms may include redness, rash, swelling and itching. Thermal burns from heat released when it reacts with water.

Ingestion

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause irritation of the respiratory system. Respiratory tract injury has been observed. Lung disease silicosis.

Respiratory and/or Skin Sensitization

May cause severe asthma-like symptoms (respiratory sensitization) based on information for closely related chemicals. In sensitized people, exposure to a very small amount of product can cause symptoms including wheezing, difficult breathing, sneezing and runny or blocked nose. Can cause death. Symptoms can develop immediately following exposure or hours later. Repeated exposure will make the reaction worse.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Silica, quartz	Group 1	A2		
Portland cement		A4		

May cause cancer based on information for closely related chemicals. Known to cause: lung cancer.

Reproductive Toxicity

Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No information was located. May cause long term adverse effects in aquatic environment.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal Methods

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

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

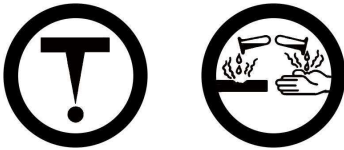
SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This product has been classified in accordance with hazard criteria of the Controlled products regulations and this SDS contains all information required by the Controlled Products Regulations.

Canada

WHMIS 1988 Classification



Class D2A; D2B

Class E

D2A - Very Toxic (Chronic toxicity); D2B - Toxic (Skin irritant; Eye irritant); E - Corrosive

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 0** **Instability - 0**

SDS Prepared By BMQ SOLUTIONS

Phone No. 877-276-7249

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Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation. 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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