

SOLHYDSEAL 100

SECTION 1. IDENTIFICATION

Product Identifier	SOLHYDSEAL 100
Other Means of Identification	SOL-SEAL100
Product Family	WATERPROFFING AND SEALING OF CONCRETE
Recommended Use	Waterproofing and Sealing of concrete surfaces.
Restrictions on Use	None known.
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 Josiane Gagnon, 514-909-5277, 24 Heures / 7 Jours
SDS No.	0325

SECTION 2. HAZARD IDENTIFICATION

Classified according to the US Hazard Communication Standard (HCS 2012).

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Flammable liquid - Category 3; Skin irritation - Category 2; Aquatic hazard (Acute) - Category 3

Label Elements



Warning

Flammable liquid and vapour.

Causes skin irritation.

May cause long lasting harmful effects to aquatic life.

Precautionary Statement(s):

Prevention:

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

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wash hands thoroughly after handling.

Avoid release to the environment.

Wear protective gloves/eye protection/face protection.

Response:

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

If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

In case of fire: Use water spray or fog, appropriate foam, dry chemical powder, carbon dioxide to extinguish.

Storage:

Store in a well-ventilated place. Keep cool.

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
Silane, triethoxyoctyl-	2943-75-1	50-100		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

Ingestion

If accidentally swallowed, rinse thoroughly with water and afterwards, drink plenty of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Call a Poison Centre or doctor if you feel unwell.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If swallowed: large amounts can irritate the mouth, throat and stomach. Early Endoscopy is recommended in order to assess mucosa lesions in the esophagus and stomach which may appear.

Immediate Medical Attention and Special Treatment

Target Organs

Digestive system.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Product

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Flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air.

Special Protective Equipment and Precautions for Fire-fighters

Before entry, especially into confined areas, use an appropriate monitor to check for: flammable or explosive atmosphere. Approach fire from upwind to avoid hazardous vapours or gases. Fight fire remotely due to the risk of explosion. 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

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Distant ignition and flashback are possible.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Contact emergency services and manufacturer/supplier for advice.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Only use where there is adequate ventilation. Avoid generating vapours or mists. Do not get in eyes, on skin or on clothing.

Conditions for Safe Storage

Store in an area that is: out of direct sunlight and away from heat and ignition sources. Engineering controls are usually required in the storage area to protect against the product's hazard(s). Review Section 8 (Exposure Controls/Personal Protection) for information.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash in work area, 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 chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are.

Respiratory Protection

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 - yellow liquid.

Odour Not available

Odour Threshold Not available

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Melting Point/Freezing Point	Not available (melting)
Initial Boiling Point/Range	186 °C (367 °F)
Flash Point	48 °C (118 °F) (closed cup)
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Solubility	Practically insoluble in water
Other Information	
Physical State	Liquid
Other Physical Property 1	VOC % - 400 g/l

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Water, acid anhydrides (e.g. acetic anhydride), oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

Ethanol in case of hydrolysis, silicone polymers.

SECTION 11. TOXICOLOGICAL INFORMATION

The toxicological properties of this mixture have not been fully investigated.

Likely Routes of Exposure

Inhalation. at higher concentrations, vapours, fumes or mist can irritate nose, throat and nasal passages ingestion. harmful if ingested.

Acute Toxicity

Toxicological information on components : Isobutyltriethoxysilane : ACUTE INHALATION toxicity- LC50 Rat: 5000 mg/kg

Assessment: this product or mixture has no acute inhalation toxicity

Toxicological information on components : Isobutyltriethoxysilane : ACUTE ORAL toxicity- LD50 Rat: 5.88mg/l/4 h /dust /mist

Toxicological information on components : Isobutyltriethoxysilane : ACUTE DERMAL toxicity- LD50 Rat: 2000 mg/kg

Assessment : this substance or mixture has no acute dermal toxicity

Carcinogenicity

Not specifically evaluated. This product contains Ethylbenzene which is classified as an IARC 2B carcinogen (possible carcinogenic to humans).

No evidence that cancer may be caused by this product.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Other Adverse Effects

There is no information available.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Treat waste in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	FLAMMABLE LIQUID, N.O.S. (Alkyl ester) (. (Alkyl ester))	3	III

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

None known.

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

NFPA Rating Health - 2 Flammability - 3 Based on stability - 1

Silane, triethoxyoctyl-

SDS Prepared By BMQ SOLUTION

Phone No. 877-276-7249

Date of Preparation juillet 04, 2017

Date of Last Revision juin 04, 2018

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).
HSDB® database. US National Library of Medicine. Available from 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). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. 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.

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