

Conforms to Model Work Health And Safety Regulations

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

**Product Name:** Aqua Mix® Stone Enhancer

**Product Code:** Not Available

#### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Sealer

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

**Name/Address:** Custom Surface Solutions  
6/3 Tollis Place, Seven Hills  
NSW 2147 Australia  
info@aquamix.com.au

**Telephone Number:** 1300 AQUA MIX (2782 649)

#### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** Poisons Information Centre: 13 1126 (0800 764 766 in New Zealand)

### Section 2: HAZARD(S) IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE CHEMICAL

Flammable Liquid	Category 3
Eye Irritation	Category 2B
Skin Irritation	Category 2
Aspiration Hazard	Category 1

#### 2.2 LABEL ELEMENTS

**2.2a SIGNAL WORD:**  
DANGER!

**2.2b HAZARD STATEMENTS**  
Flammable liquid and vapor  
Causes eye irritation  
Causes skin irritation  
May be fatal if swallowed and enters airways

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### 2.2c HAZARD PICTOGRAMS



### 2.2d PRECAUTIONARY STATEMENTS

<b>i. PREVENTION</b>	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Do not breathe vapors/mist. Do not eat, drink or smoke while using this product. Use only outdoors or in a well ventilated area. Wear impervious gloves/protective clothing/eye protection.
<b>ii. RESPONSE</b>	In case of fire, use a class ABC dry extinguisher for extinction. If on skin(or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting.
<b>iii. STORAGE</b>	Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.
<b>iv. DISPOSAL</b>	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

### 2.3 ADDITIONAL INFORMATION

#### 2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not Applicable

#### 2.3b UNKNOWN ACUTE TOXICITY

0% of the mixture consists of ingredient(s) of unknown acute toxicity.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Octyltriethoxysilane	2943-75-1	10 – 15%*
Distillates petroleum, hydrotreated light	64742-47-8	10 – 15%*
Methylmethoxy siloxane with methyl silsesquioxane	68037-85-4	5 – 10%*
Tetra n-butyl titanate	5593-70-4	1 – 3%*

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\*Means that the component will fall into the range specified due to batch-to-batch variability.

### Section 4: FIRST-AID MEASURES

#### 4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
<b>Skin Contact:</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
<b>Inhalation:</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

#### 4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
<b>Eye Contact:</b>	Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
<b>Skin Contact:</b>	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.
<b>Inhalation:</b>	May cause respiratory tract irritation.
<b>Ingestion:</b>	May be fatal if swallowed and enters airways. Ingestion may cause discomfort and/or distress, nausea or vomiting.

#### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

<b>Note to Physicians:</b>	Symptoms may not appear immediately.
<b>Specific Treatments:</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

### Section 5: FIRE-FIGHTING MEASURES

#### 5.1 FLAMMABILITY

**Flammability:** Flammable

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### 5.2 EXTINGUISHING MEDIA

**5.2a. Suitable Extinguishing Media:**

Treat for surrounding material.

**5.2b. Unsuitable Extinguishing Media:**

Not Available

### 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**5.3a. Products of Combustion:**

May include, and are not limited to: oxides of carbon, oxides of nitrogen. Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard.

**5.3b. Explosion Data**

**i. Sensitivity to Mechanical Impact:**

Not Available

**ii. Sensitivity to Static Discharge:**

Not Available

### 5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection (SCBA).

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## Section 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

**Methods for Containment:** Recover all usable material. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Absorb all spilled material with suitable absorbent, Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

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## Section 7: HANDLING AND STORAGE

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### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling:** Keep away from heat/sparks/open flames/hot surfaces. Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the

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manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe vapors/mist. Do not take internally. Good housekeeping is important to prevent accumulation of dust.

**General Hygiene Advice:** Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETER

#### Exposure Guidelines

Occupational Exposure Limits		
Chemical Name	AUS-STEL	ACGIH-TLV
Octyltriethoxysilane	Not Available	Not Available
Distillates petroleum, hydrotreated light	Not Available	Not Available
Methylmethoxy siloxane with methyl silsesquioxane	Not Available	Not Available
Tetra n-butyl titanate	Not Available	Not Available

### 8.2 EXPOSURE CONTROLS

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### 8.3 INDIVIDUAL PROTECTION MEASURES

#### 8.3a. Personal Protective Equipment:

- i. **Eye/Face Protection:** Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]
- ii. **Skin Protection:**
  1. **Hand Protection:** Wear impervious gloves, such as nitrile.
  2. **Body Protection:** Wear suitable protective clothing.
- iii. **Respiratory Protection:** An AS/NZS approved respirator or filtering face piece, such as P2, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in AS/NZS 1716 or ANSI's standard for respiratory protection (Z88.2).

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- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.):</b>	Clear Liquid
<b>Odor:</b>	Aromatic
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available
<b>Melting point/Freezing point:</b>	Not Available
<b>Initial boiling point and boiling range:</b>	Not Available
<b>Flash point:</b>	76°F(24.4°C)
<b>Evaporation rate (Water=1):</b>	Not Available
<b>Flammability:</b>	Flammable
<b>Upper Flammability/Explosive Limit:</b>	Not Available
<b>Lower Flammability/Explosive Limit:</b>	Not Available
<b>Vapor Pressure</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	0.95 – 1.05 g/mL
<b>Solubility in Water:</b>	Miscible
<b>Partition coefficient: n-octanol/water:</b>	Not Available
<b>Auto-ignition temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	>302°F(>150°C)
<b>Viscosity (cps):</b>	Not Available
<b>VOC Content:</b>	168.1 g/L

### Section 10: STABILITY AND REACTIVITY

**10.1. REACTIVITY**

No dangerous reaction known under conditions of normal use.

**10.2. CHEMICAL STABILITY**

Stable under normal storage conditions. Keep dry in storage.

**10.3. POSSIBILITY OF HAZARDOUS REACTION**

Upon contact with water, this product will release methanol and ethanol, which have some health ramifications associated with it.

**10.4. CONDITIONS TO AVOID**

Heat and sources of ignition. Incompatible materials.

**10.5. INCOMPATIBLE MATERIALS**

Strong acids. Strong Oxidizers. Alkalis. Iron. May react violently with electrophiles such as ferric chloride.

**10.6. HAZARDOUS DECOMPOSITION PRODUCTS**

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Upon decomposition, this product may yield oxides of carbon, oxides of nitrogen. Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard.

### Section 11: TOXICOLOGICAL INFORMATION

**11.1. LIKELY ROUTES OF EXPOSURE:**

Skin contact, eye contact, inhalation, and ingestion.

**11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:**

**Eye Contact:** Causes eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin Contact:** Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May be fatal if swallowed and enters airways. Ingestion may cause discomfort and/or distress, nausea or vomiting.

Acute Toxicity		
Chemical Name	LC50	LD50
Octyltriethoxysilane	Not Available	Not Available
Distillates petroleum, hydrotreated light	Not Available	Oral: 5,628 mg/kg, rat
Methylmethoxy siloxane with methyl silsesquioxane	Not Available	Not Available
Tetra n-butyl titinate	Not Available	Not Available

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)
Octyltriethoxysilane	Not Listed
Distillates petroleum, hydrotreated light	Not Listed
Methylmethoxy siloxane with methyl silsesquioxane	Not Listed
Tetra n-butyl titinate	Not Listed

**11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE**

SHORT-TERM	
<b>Skin Corrosion/Irritation:</b>	Causes skin irritation
<b>Serious Eye Damage/Irritation:</b>	Causes eye irritation
<b>Respiratory Sensitization:</b>	Not Classified
<b>Skin Sensitization:</b>	Not Classified
<b>STOT-Single Exposure:</b>	May cause respiratory irritation
<b>Aspiration Hazard:</b>	May be fatal if swallowed and enters airways
LONG-TERM	
<b>Carcinogenicity:</b>	Not Classified
<b>Germ Cell Mutagenicity:</b>	Not Classified

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<b>Reproductive Toxicity:</b>	Not Classified
<b>STOT-Repeated Exposure:</b>	Not Classified
<b>Synergistic/Antagonistic Effects:</b>	Not Classified

### Section 12: ECOLOGICAL INFORMATION

**12.1. ECOTOXICITY**

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity		
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Octyltriethoxysilane	Not Available	Not Available
Distillates petroleum, hydrotreated light	Not Available	Not Available
Methylmethoxy siloxane with methyl silsesquioxane	Not Available	Not Available
Tetra n-butyl titanate	Not Available	Not Available

**12.2. PERSISTENCE AND DEGRADABILITY**

Not Available

**12.3. BIOACCUMULATIVE POTENTIAL**

Not Available

**12.4. MOBILITY IN SOIL**

Not Available

**12.5. OTHER ADVERSE EFFECTS**

Not Available

### Section 13: DISPOSAL CONSIDERATIONS

**13.1. DISPOSAL METHOD**

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

**13.2. OTHER DISPOSAL CONSIDERATIONS**

Not Available

### Section 14: TRANSPORT INFORMATION

ADG	IATA
<b>UN NUMBER:</b>  UN1993	<b>UN NUMBER:</b>  UN1993
<b>UN PROPER SHIPPING NAME:</b>  Flammable Liquid, N.O.S. (Silicone mixture contains distillates petroleum hydrotreated light, Methanol, Ethanol)	<b>UN PROPER SHIPPING NAME:</b>  Flammable Liquid, N.O.S. (Silicone mixture contains distillates petroleum hydrotreated light, Methanol, Ethanol)



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<b>TRANSPORT HAZARD CLASS (ES):</b>  3	<b>TRANSPORT HAZARD CLASS (ES):</b>  3
<b>PACKING GROUP (if applicable):</b>  III	<b>PACKING GROUP (if applicable):</b>  III
<b>Limited Quantity Exception &lt;= 5L</b>	<b>Limited Quantity Exception &lt;= 5L</b>

**SUMMARY:** Product is regulated under ADG and other transportation regulations.

**14.1. ENVIRONMENTAL HAZARDS**

Not Available

**14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE**

Not Available

**14.3. SPECIAL PRECAUTIONS FOR USER**

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

**14.4. HAZCHEM OR EMERGENCY ACTION CODE**

·3YE

### Section 15: REGULATORY INFORMATION

**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

**Australia:** This product has been classified in accordance with the hazard criteria of the Model Work Health and Safety Regulations and the SDS contains all the information required by the Model Work Health and Safety Regulations.

**15.2. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

<b>CP65</b>	California Proposition 65
<b>OSHA (O)</b>	Occupational Safety and Health Administration
<b>ACGIH (G)</b>	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"> <li>A1 – Confirmed human carcinogen</li> <li>A2 – Suspected human carcinogen</li> <li>A3 – Animal carcinogen</li> <li>A4 – Not classifiable as a human carcinogen</li> <li>A5 – Not suspected a human carcinogen</li> </ul>
<b>IARC (I)</b>	International Agency for Research on Cancer <ul style="list-style-type: none"> <li>1 – The agent (mixture) is carcinogenic to humans</li> <li>2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.</li> <li>2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.</li> <li>3 – The agent (mixture, exposure circumstance) is not classifiable</li> </ul>

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	<p>as to its carcinogenicity to humans.</p> <ul style="list-style-type: none"> <li>• 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.</li> </ul>
<b>NTP (N)</b>	<p>National Toxicology Program</p> <ul style="list-style-type: none"> <li>• 1 – Known to be carcinogens</li> <li>• 2 – Reasonably anticipated to be carcinogens</li> </ul>

### Section 16: OTHER INFORMATION

**Date of Preparation:** March 14, 2017

**Version:** 1.0

**Revision Date:** Not Applicable

**Disclaimer:** The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

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## End of Safety Data Sheet