



**SAFETY DATA SHEET  
QUICSEAL 103  
PRIMER**

**1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER**

Product Name: QUICSEAL 103 Primer  
Product Use: Primer for QUICSEAL 103 waterproofing membrane

Details of the supplier:

*QUICSEAL CONSTRUCTION CHEMICALS PTE LTD  
No. 7 Eunos Avenue 8A  
Eunos Industrial Estate  
Singapore 409460*

Emergency Contact No.: (65) 6742 4466

**2. HAZARDS IDENTIFICATION**

**GHS Classification:**

Acute oral toxicant - Category 5  
Skin irritant - Category 2  
Serious eye irritant - Category 2

**GHS LABEL ELEMENTS**

**Symbol:**



**Signal Word**

Warning

**Hazard Statements**

H303: May be harmful if swallowed  
H315: Causes skin irritation  
H319: Causes serious eye irritation

**Precautionary Measures**

Prevention

P264: Wash hands thoroughly after handling.  
P280: Wear gloves, protective clothing, eye and face protection.

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312: Call a poison center or doctor/physician if you feel unwell.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.

**QUICSEAL CONSTRUCTION CHEMICALS PTE LTD**

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Website: [www.quicseal.com](http://www.quicseal.com) Co.Reg. No.: 198201286W



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Description:** Water-based solution based on sodium silicate

#### Components

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	Percentage
Sodium Silicate, liquid siliceous	1344-09-8	20 – 50%

### 4. FIRST-AID MEASURES

#### General advice

Remove contaminated clothing.

#### Eye Contact

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Seek medical attention.

#### Skin Contact

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or with waterless hand cleanser. Obtain medical attention if irritation or redness develops.

#### Inhalation

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

#### Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

### 5. FIRE-FIGHTING MEASURES

#### General Fire Hazards

The product is non-flammable (water-borne system). If material is involved in fire, do not breathe fumes.

#### Suitable Fire-extinguishing Media

Use the appropriate fire extinguishing media for surrounding fire (water, foam, dry powder, CO<sub>2</sub>)

#### Further information

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions and Protective equipment

Avoid contact with skin and eyes; Use protective clothing (gloves, goggles) and safety equipment.

### Environmental Precautions

Do not release untreated material into water sources. Dried material is environment-friendly.

### Methods and materials for containment and cleaning up

For small amounts: Absorb spillage with absorbent materials such as sand, sawdust, paper, general-purpose binder, kieselguhr). Allow to dry before disposing material in accordance with regulations.

For large amounts: Pump off product.

For residues: Rinse away with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Handle in accordance to good industrial hygiene and safety practices (i.e. gloves, goggles, and safety equipment should be used when handling chemicals; do not eat, drink, smoke when handling product). Do not get in eyes, on skin, or on clothing. Avoid breathing mist. Wash hand thoroughly before eating and drinking. Any accidental contact with the product must be washed with clean water.

### Conditions for safe storage, including any incompatibilities

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances (see Section 10 of the Safety Data Sheet).

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters / Occupational Exposure Limits

This product does not contain components which have relevant occupational exposure limits.

### Appropriate engineering measures

There are no relevant exposure control measures necessary for this product.

### Personal protective equipment

#### Respiratory protection

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

#### Hand protection

Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact

Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

#### Eye protection

Safety goggles with side shield (frame goggles) (e.g. EN 166)

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Low viscosity liquid
Color:	Milky white
Flash Point:	Not flammable (water-borne system)
Boiling Point:	100°C
Melting Point:	Not Applicable
Oxidising Properties:	Not Applicable
Flammability Limits:	None allocated
Water Solubility:	Soluble in water
Solid Content:	approx. 32%
Viscosity at 25°C:	< 0.3 dPa·s
Specific Gravity:	Approx. 1.1

## 10. STABILITY AND REACTIVITY

### Stability

The product is stable at normal temperatures and pressures and in normal conditions of use and storage. Prolonged contact with incompatible metals may produce flammable hydrogen gas.

### Conditions to avoid

Prolonged storage above 140°F (60°C). Contact with acids will cause gelling and evolution of heat.

### Possibility of hazardous reactions

No hazardous reactions are foreseeable under normal conditions of use and storage.

### Incompatible materials

Acids, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali-sensitive metals or alloys

### Hazardous decomposition products

No hazardous decomposition products are expected if stored and handled as prescribed/indicated. In cases of unavoidable circumstances (e.g. fire), thermal decomposition may yield acrylic monomers.

## 11. TOXICOLOGICAL INFORMATION

This product has not been tested and all the toxicological statements have been derived from the respective components' available toxicity information.

### Acute toxicity

Experimental/calculated data:

LD50 (rat), oral: > 2,000 mg/kg

LD50 (rabbit), dermal: > 9,000 mg/kg

This product may be harmful if swallowed.

This product is not harmful in contact with skin.

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**Skin and eye irritation / corrosion**

The product contains the following component classified as Skin and eye irritant:  
Sodium silicate, liquid siliceous CAS No. 1344-09-8

Dermal tests of this component in animals show positive skin reactions after 2.3 – 4.0 hours of exposure in at least 2 of 3 tested animals.

Eye exposure tests of this component in animals show positive eye reactions (corneal opacity  $\geq 1$  / iritis  $\geq 1$  / conjunctival redness  $\geq 2$  / conjunctival oedema  $\geq 2$ ) in at least 2 of 3 tested animals.

**Respiratory / Skin sensitization**

The product may cause skin sensitization.

**Germ cell mutagenicity / Carcinogenicity / Reproductive toxicity / Developmental toxicity**

Based on the assessment of available information, the product is: not mutagenic in bacteria; has no known carcinogenic effect; and not expected to cause reproductive and developmental toxicity.

**Specific target organ toxicity (single and repeated exposure)**

Based on the available information, there is no specific target organ toxicity expected after a single or repeated exposure to the product.

**12. ECOLOGICAL INFORMATION**

The following ecological assessment is based on the available ecotoxicity information of the product's components.

**Ecotoxicity**

This product is not expected to be toxic to aquatic life based on the toxicity values to the following aquatic organisms:

Fish: LC50 (96h) > 200 mg/l, *Brachydanio rerio* (OECD Guideline 203, static)

Aquatic invertebrates: EC50 (48h) > 200 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Aquatic plants: LC50 (72h) > 200 mg/l, *Scenedesmus subspicatus* (OECD Guideline 201)

**Additional information**

Do not release product untreated into natural waters. At the present knowledge of the product, no negative ecological effects are expected.

**13. DISPOSAL CONSIDERATIONS****Disposal of container**

Allow liquid to dry in the container. Peel-off dried material and dispose. The container may be used for other function after thorough washing.

**Disposal of material**

Dried material can be disposed off in authorized landfill site in accordance to national regulations.

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#### 14. TRANSPORT INFORMATION

This product is classified as NON-HAZARDOUS under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 15. REGULATORY INFORMATION

##### Labelling requirements according to EEC Directives

This product is not subject to labeling in accordance with EEC Directives.

##### National legislation/regulations

According to the data available to us, the product is not hazardous under the relevant Singapore Legislation.

#### 16. OTHER INFORMATION

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since QUICSEAL Construction Chemicals Pte. Ltd. cannot know all of the uses to which its products may be put or the conditions of use; it makes no warranties concerning the fitness or suitability of its products for a particular use of purpose.

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