



**SAFETY DATA SHEET
QUICSEAL 105S
MAGICSEAL S**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 105s – Magicseal S
Product Use: Dampness sealer and waterproofing coating

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:

Skin corrosion - Category 1
Serious eye damage - Category 1

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Danger

Hazard Statements

H314: Causes severe skin burns
H318: Causes serious eye damage

Precautionary Measures

Prevention

P260: Do not breathe vapours.
P264: Wash hands thoroughly after handling.
P280: Wear gloves, protective clothing, eye and face protection.

Response

P301+P330+P31: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.
Rinse skin with water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable to breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Storage

P405: Store locked up.

Disposal

P501: Dispose of contents / containers in accordance to Singapore regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Water-based dispersion.

Components

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EC No.	Percentage
Sodium Silicate, liquid siliceous	1344-09-8	--	20 – 50%
Potassium methylsiliconate	31795-24-1	250-807-9	1 – 10%

4. FIRST-AID MEASURES

General information

Take person to a safe place. Observe self-protection for first aid. Always seek medical advice in the event of contact with this substance.

Inhalation

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. Seek medical advice immediately and clearly identify substance.

Skin contact

Remove contaminated clothes at once. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice immediately and clearly identify substance.

Eye contact

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice immediately and clearly identify substance. Continue to bathe eyes during transport to medical practitioner.

Ingestion

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice immediately and clearly identify substance.

Notes to physician

Treat patient symptomatically (decontamination, vital functions).

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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, CO₂)

Further information

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. Keep unprotected persons away.

Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

Methods and material for containment and cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Dilute with plenty of water and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers.

Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

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).

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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)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Low viscosity liquid
Color:	Clear liquid
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. 20%
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 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.

Incompatible materials

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

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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

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 – Skin and eye irritant (Category 2)

Potassium methylsiliconate, CAS No.: 31795-24-1 – Skin and eye corrosive (Category 1)

Respiratory / Skin sensitization

The product may cause an allergic skin reaction. This product is not expected to respiratory sensitization (asthma symptoms/breathing difficulties) if accidentally inhaled.

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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