



SAFETY DATA SHEET
QUICSEAL 102GRR
WATERBASED MODIFIED PU ROOT RESISTANT MEMBRANE

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 102GRR
Product Use: Water-based modified polyurethane root resistant 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

This product is not classified as hazardous according to GHS criteria.

GHS Label Elements and Precautionary Statements

This product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification

No specific dangers known, if the regulation/notes for storage and handling are considered.
No chronic hazard is expected when good industrial and personal hygiene is practiced.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization/Description: Water-based polyurethane waterproofing membrane

Components

This product does not contain hazardous components in concentrations higher than the concentration limit according to the GHS Classification of Chemicals.

4. FIRST-AID MEASURES

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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.

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

No. 7 Eunos Avenue 8A Eunos Industrial Estate Singapore 409460 Tel: (65) 6742 4466 Fax: (65) 6741 4666

Website: www.quicseal.com Co.Reg. No.: 198201286W



Ingestion

DO NOT induce vomiting. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES**Suitable Fire-extinguishing Media**

Use the appropriate fire extinguishing media for surrounding fire.

Specific Fire Hazards

If material is involved in fire, do not breathe fumes. In a fire or if heated, a pressure increase will occur and the container may burst.

Protective Fire-Fighting Measures

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Further information

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

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

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

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). 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 in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

No. 7 Eunos Avenue 8A Eunos Industrial Estate Singapore 409460 Tel: (65) 6742 4466 Fax: (65) 6741 4666

Website: www.quicseal.com Co.Reg. No.: 198201286W



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

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Personal protective equipment

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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:	Liquid
Appearance:	Black viscous liquid
Flash Point:	> 85°C
Boiling Point:	Not available
Flammability Limits:	None allocated
Water Solubility:	Soluble in water
pH:	8.5 – 9.5

10. STABILITY AND REACTIVITY

Stability

The product is stable in normal conditions of use and storage. However, avoid extreme temperatures which can cause polymer decomposition.

Possibility of hazardous reactions

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

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

No hazardous decomposition products are expected if stored and handled as prescribed/indicated.

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

No. 7 Eunos Avenue 8A Eunos Industrial Estate Singapore 409460 Tel: (65) 6742 4466 Fax: (65) 6741 4666

Website: www.quicseal.com Co.Reg. No.: 198201286W



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, oral: > 5,000 mg/kg (the product is not toxic/harmful if swallowed.)

LD50, dermal: > 5,000 mg/kg (the product is not toxic/harmful in contact with skin)

LC50, inhalation: > 20 mg/L (the product is not toxic/harmful if inhaled)

Skin and Eye Corrosion / Irritation

This product is not expected to cause skin or eye irritation.

Respiratory / Skin sensitization

The product is not expected to cause allergic skin reactions or respiratory 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, this product is not expected to cause damage to any organs after a single or repeated/prolonged 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.

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

No. 7 Eunos Avenue 8A Eunos Industrial Estate Singapore 409460 Tel: (65) 6742 4466 Fax: (65) 6741 4666

Website: www.quicseal.com Co.Reg. No.: 198201286W



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.

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

No. 7 Eunos Avenue 8A Eunos Industrial Estate Singapore 409460 Tel: (65) 6742 4466 Fax: (65) 6741 4666

Website: www.quicseal.com Co.Reg. No.: 198201286W

