



**SAFETY DATA SHEET
QUICSEAL 103 ECO
ACRYLFLEX ECO**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 103 ECO – Acrylflex
Product Use: Liquid-applied waterproofing membrane

Details of the supplier:

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

Emergency Telephone No.: (65) 6742 4466

2. HAZARDS IDENTIFICATION

GHS Classification:

Skin sensitizer - Category 1

GHS LABEL ELEMENTS
Symbol(s)



Signal Word
Warning

Hazard Statements
May cause an allergic skin reaction

Precautionary Measures

Prevention

Wear protective gloves.
Avoid breathing vapour.
Contaminated work clothing should not be allowed out of the workplace.

Response

If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Disposal

Dispose of contents/container in accordance with local/regional/international regulations.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Water-based dispersion based on a styrene-acrylic polymer

Components

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	Percentage
Microbiocide based on tetramethylol acetylene diurea & isothiazolinone	5395-50-6 26530-20-1 55965-84-9	0.1 – 0.5%

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

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

Inhalation

Keep patient calm, remove to fresh air, seek medical attention.

Ingestion

Rinse mouth immediately and then drink plenty of water. Seek medical attention.

Notes to physician

No significant symptoms are expected due to the non-classification of the product. Treat patient symptomatically (decontamination, vital functions).

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.

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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). 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 product protected from freezing and away from direct sunlight.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with occupational exposure limits

This product contains trace amounts of the following substance with relevant occupational exposure limits: Ammonia, CAS No. 7664-41-7:

Singapore Permissible Exposure Limit, short-term = 24 mg/m³ ; 35 ppm

Singapore Permissible Exposure Limit, long-term = 17 mg/m³ ; 25 ppm

Appropriate engineering controls

Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.

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:	Thixotropic liquid
Color:	Various colors depending on specific product variant
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. 62%
Viscosity at 25°C:	80 – 125 dPa·s
Specific Gravity:	Approx. 1.30

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. 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, 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

This product may cause an allergic skin reaction, but is not expected to cause respiratory sensitization.

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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.

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.

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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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