



**SAFETY DATA SHEET
QUICSEAL 123
ACRYL-PROOF**

1. INFORMATION OF THE SUBSTANCE/COMPOUND AND THE SUPPLIER

Product Name: QUICSEAL 123 – Acryl-Proof
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*

Telephone No. : (65) 6742 4466
Fax No. : (65) 6741 4666

2. HAZARDS IDENTIFICATION

GHS Classification:

Skin Sensitizer – Category 1

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Warning

Hazard Statements

H317: May cause an allergic skin reaction.

Precautionary Measures

Prevention

P261: Avoid breathing vapour.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves.

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

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Disposal

P501: Dispose of contents/container in accordance with local/national regulations.

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)

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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

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**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.

Storage

Store product protected from freezing and away from direct sunlight.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Components with occupational exposure limits**

This product has a component which contains trace amounts of the following substance with its relevant occupational exposure limits:

Ammonia, CAS No. 7664-41-7:

Singapore OEL: TWA = 17 mg/m³ ; 25 ppm / STEL = 24 mg/m³ ; 35 ppm

ACGIHTLV: TWA = 25 ppm / STEL = 35 ppm

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).

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

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Eye protection:

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

General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

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:	40 – 60 dPa·s
Specific Gravity:	Approx. 1.34

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

This product is virtually non-toxic after a single ingestion.

Experimental/calculated data:

LD50 (rat): > 5,000 – 10,000 mg/kg

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Irritation / corrosion

The product is not irritating to the eyes or skin. If the product adheres to skin, irritation may occur when it dries.

Experimental/calculated data:

Skin: Species: rabbit / Result: non-irritant / Method: OECD Guideline 404

Eye: Species: rabbit / Result: non-irritant / Method: OECD Guideline 405

Respiratory / Skin sensitization

The product's components may cause an allergic skin reaction. This product is not expected to cause allergy or asthma symptoms or 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.

Other Information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. ECOLOGICAL INFORMATION

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

Ecotoxicity

Toxicity to fish: LC50 (96h) > 100 mg/l, *Brachydanio rerio* (OECD Guideline 203, static)

Toxicity to aquatic invertebrates: EC50 (48h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Toxicity to aquatic plants: LC50 (72h) > 100 mg/l, *Scenedesmus subspicatus* (OECD Guideline 201)

Toxicity to microorganisms/Effect on activated sludge: EC20 (0.5h) > 100 mg/l, activated sludge, domestic (DIN EN ISO 8192-OECD-209-88/302/EEC,P.C)

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Persistence and degradability

Elimination information: >70% DOC reduction (OECD 302B; ISO 9888; 88/302/EEC, part C)

Easily eliminated from water.

Bioaccumulation potential

Based on structural properties, the polymer component is not biologically available. Accumulation in organisms is not expected.

Additional information

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

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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.

Handle in accordance with good industrial hygiene and safety practice.

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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