



**MATERIAL SAFETY DATA SHEET**  
**QUICSEAL 673**  
**Q-CLEAN SUPER**

**1. INFORMATION OF THE SUBSTANCE/COMPOUND AND THE SUPPLIER**

Product Name: QUICSEAL 673 (Q-Clean Super)

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:**

Flammable liquid:	Category 4
Skin corrosion/irritation:	Category 3
Serious eye damage/eye irritation:	Category 2A
Skin sensitization:	Category 1
Specific target organ toxicity - single exposure:	Category 3 (respiratory irritation)
Acute aquatic toxicity:	Category 3
Chronic aquatic toxicity:	Category 4

**GHS Label Elements**

**Pictograms:**



**Signal Word:** Warning

**Hazard Statements:**

H227: Combustible Liquid  
H316: Causes mild skin irritation  
H317: May cause an allergic skin reaction  
H319: Causes serious eye irritation  
H402: Harmful to aquatic life  
H413: May cause long lasting harmful effects to aquatic life

**Precautionary Statements:**

**Prevention**

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.

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P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash hands thoroughly after handling.  
 P272: Contaminated work clothing should not be allowed out of the workplace  
 P273: Avoid release to the environment  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P332 + P313: If skin irritation occurs: Get medical advice/attention

#### Response

P302 + P352: IF ON SKIN: Wash with soap and water  
 P305 + P338: IF IN EYES: Remove contact lenses if present and easy to do. Continue rinsing.  
 P333 + P313: If skin irritation or a rash occurs: Get medical advice/attention  
 P337 + P313: If eye irritation persists: Get medical advice/attention  
 P363: Wash contaminated clothing before reuse  
 P370 + P378: In case of fire: Evacuate area

#### Storage

P403 + P235: Store in a well ventilated place. Keep cool

#### Disposal

P501: Dispose of contents/container to licensed hazardous waste collectors.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Index No.	Percentage
Triethanolamine	102-71-6	203-049-8		1 – 5%
Dipentene	138-86-3	205-341-0	601-029-00-7	0 – 0.25%
Alcohol C10, Ethoxylated	--	--	--	5 – 10%

### 4. FIRST-AID MEASURES

#### Eye Contact

Remove contact lens if there is any. Irrigate eyes immediately with copious quantities of water for 15 minutes. Obtain medical attention if irritation persists.

#### Skin Contact

Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Remove contaminated clothes. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

#### Inhalation

Remove source(s) of contamination and move victim to fresh air. Seek medical attention if irritation persists.

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**Ingestion**

Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth on an unconscious person.

**Most important symptoms and effects, both acute and delayed**

For symptoms and effects caused by the contained substances, see Section 11.

**Indication of immediate medical attention and special treatment needed, if necessary**

Follow doctor's orders.

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

The extinguishing media should be of the conventional kind: carbon dioxide, foam, powder, or nebulised water.

**Specific hazards arising from the chemical**

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc.).

**Advice for Firefighters**General Information:

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to regulations.

Special Protective Equipment for Firefighters:

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fire-proof, cut-proof, dielectric), a depressurized mask with face mask covering the whole of the operator's face or a self-respirator (self-operator) in the event of large quantities of fume.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, protective equipment and emergency procedures**

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning the appropriate protective gear. For information on risks for the environment and health, respiratory tract protection, ventilation and personal protective equipment, see the other sections of this sheet.

**Environmental Precautions**

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

**Methods and materials for containment and cleaning up**

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselghur, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well-aired. Contaminated materials should be disposed of in compliance with the provisions set forth in Section 13.

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## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not smoke while handling and use.

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place, keep far away from sources of heat, bright flames, and sparks and others sources of ignition.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control Parameters / Occupational Exposure Limits

For Triethanolamine component: ACGIH TLV-TWA/8h = 5 mg/m<sup>3</sup>

OEL (IRL) = 5 mg/m<sup>3</sup>

For mixture/product: ACGIH TLV-TWA = 1 mg/m<sup>3</sup>

### Exposure Controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well-aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds, a suitable respiratory tract protection must be used. See product label for hazard details during use. Ask your chemical substance suppliers for advice when choosing personal protective equipment. Personal protection equipment must comply with the rules in force indicated below:

#### Hand Protection

Protect hands with Category I (Ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC, or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

#### Eye Protection

Wear protective airtight goggles (Ref. Standard EN 166).

#### Skin Protection

Wear Category I professional long-sleeved overalls and safety footwear (Ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

#### Respiratory Protection

If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an A or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (Ref. Standard EN 141).

The use of breathing equipment, such as masks with organic vapour and Dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is in case limited.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Gelatinous liquid
Colour:	Orange
Odour:	Characteristic
pH:	7
Specific Gravity:	1.00 kg/L
Boiling point:	Not Available
Flash point:	>60°C
Auto-ignition Temperature:	Not Available
Explosion limits:	Not Available
Vapour Pressure:	Not Available
Solubility in water:	Insoluble
VOC (Directive 1999/EC):	0.18% - 1.80 g/L
VOC (volatile carbon):	0.16% - 1.58 g/L

## 10. STABILITY AND REACTIVITY

### Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

### Chemical stability

The product is stable in normal conditions of use and storage.

### Possibility of hazardous reactions

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

### Conditions to avoid

None in particular, however the usual precautions for chemical products should be respected.

### Incompatible materials

No information available.

### Hazardous decomposition products

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

## 11. TOXICOLOGICAL INFORMATION

### Effect on humans

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea, and sickness.

### Acute toxicity

The following toxicological assessment is based on knowledge of the toxicity of the product's components:

TRIETHANOLAMINE: Oral LD50: 4190 mg/kg (rat) / Dermal LD50: > 2000 mg/kg (rabbit)

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## 12. ECOLOGICAL INFORMATION

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers, and waterways. Inform the competent authorities should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

### Contaminated Packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## 14. TRANSPORT INFORMATION

This product is not dangerous 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

### Applicable National Regulations

This product is subject to the requirements in the following acts/regulations:

Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations  
Environmental Protection and Management Act and Environmental Protection and Management  
Maritime and Port Authority of Singapore (Dangerous Goods, Petroleum and Explosives)

### International Regulations

This product is classified as hazardous pursuant to the provision set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Danger Symbols: Xi

Risk Phrases:

R36 Irritating to eyes.

Safety Phrases:

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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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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