



**SAFETY DATA SHEET
QUICSEAL 178 - PART A
Q-STOP 2K PU GEL**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 178 (Part A)
Product use: Q-Stop 2K PU Gel

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 (Office Hours: 9:00 AM - 5:00PM)

2. HAZARD IDENTIFICATION

GHS Classification:

Respiratory Sensitizer - Category 1
Carcinogenicity – Category 2
Specific Target Organ Toxicity After Repeated Exposure – Category 2

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Danger

Hazard Statements

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351: Suspected of causing cancer.
H376: May cause damage to organ though prolonged or repeated exposure.

Precautionary Statements

Prevention

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection.
P284: Wear respiratory protection.

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Response

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313: If exposed or concerned: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Storage

P405: Store locked up.

Disposal

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Percentage
Diphenylmethane-4,4'-di-isocyanate	101-68-8	202-966-0	> 30 %
Diphenylmethane-di-isocyanate (Isomers & Homologues)	9016-87-9	-	5 – 40 %

4. FIRST-AID MEASURES**General Advice:**

Promptly remove contaminated clothing.

Inhalation:

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

Skin Contact:

Wash thoroughly with soap and water. Promptly wash contaminated skin with water.

Eye Contact:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Ingestion:

Do not induce vomiting. Rinse mouth immediately and seek medical attention.

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5. FIRE-FIGHTING MEASURES

Extinguishing Media

Extinguish with water spray, carbon dioxide or dry powder.

Special Fire Fighting Procedures

Avoid breathing fire vapours. Use air-supplied respirators to protect against gases/fumes.

Protective Measures In Fire

Wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of his safety data sheet.

Environmental Precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

Spill Clean Up Methods

Absorb spillage with non-combustible, absorbent material. Collect with absorbent and non-combustible material into suitable container. Use sealed containers for reclamation or dispose of at a licensed hazardous waste collection point.

7. HANDLING AND STORAGE

Usage Precautions

Read and follow manufacturer's recommendations.

Storage Precautions

Keep away from heat, sparks and open flame.

Keep container tightly closed original container and protected against freezing.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hand Protection:

Suitable chemical resistant safety 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 (0.4mm), chloroprene rubber (0.5mm), butyl rubber (0.7mm) and other.

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 are 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 glasses with side-shields (frame goggles) (e.g. EN 166)

Respiratory Equipment:

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

General Safety and Hygiene Measures:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Flowing Liquid
Color:	Amber
Flash Point:	> 100
Water Solubility:	Insoluble

10. STABILITY AND REACTIVITY**Stability**

Stable under normal temperature conditions and recommended use.

Condition to Avoid

Avoid heat, flames and other sources of ignition.

Materials to Avoid

Strong acid. Amines. Alkalis (organic & inorganic). Alkaline earth metal in powder form: lead, zinc, aluminium, brass and tin. Acids, nitrile, ammonium compounds, cyanide, magnesium, organic nitro compounds, organic combustible substances, phenols, oxidizing agents.

Hazardous Reactions

When heated, toxic and corrosive vapours/gases may be formed. Hydrogen cyanide (HCN).

11. TOXICOLOGICAL INFORMATION**Inhalation**

Not relevant at normal room temperature. When heated, toxic vapours may be formed.

Ingestion

May cause discomfort if swallowed, irritating. May cause nausea, stomach pain and vomiting.

Skin Contact

May cause sensitization.

Eye Contact

Irritation of eyes and mucous membranes.

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12. ECOLOGICAL INFORMATION

Eco-toxicity

Dangerous for the environment if discharged into watercourses.

Bio-accumulation

No available.

Degradability

Not available.

13. DISPOSAL CONSIDERATIONS

General Information

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Disposal Method

Disposal of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign is required.

Environmentally Hazardous & Substance Marine Pollutant - No

15. REGULATORY INFORMATION

Eu Directives

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Statutory Instruments

Control of Substances Hazardous to Health. The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

Approved Code of Practice

Safety Data Sheets for substances and preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

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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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**SAFETY DATA SHEET
QUICSEAL 178 - PART B
Q-STOP 2K PU GEL**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 178 (Part B)
Product use: Q-Stop 2K PU Gel

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 (Office Hours: 9:00 AM - 5:00PM)

2. HAZARD 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 Statements

Prevention

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P280: Wear protective gloves/protective clothing/eye protection.

Response

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

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

P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal

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

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3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Index No.	Percentage
Acrylic ester	55965-84-9	-	-	> 30 %

4. FIRST-AID MEASURES

General advice:

Remove contaminated clothing.

If inhaled:

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

On skin contact:

Wash thoroughly with soap and water

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

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

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Extinguish with water spray, carbon dioxide or dry powder.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of his safety data sheet.

Environmental Precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

Spill Clean Up Methods

Absorb spillage with non-combustible, absorbent material. Collect with absorbent and non-combustible material into suitable container. Use sealed containers for reclamation or dispose of at a licensed hazardous waste collection point.

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7. HANDLING AND STORAGE

Usage Precautions

Read and follow manufacturer's recommendations.

Storage Precautions

Keep away from heat, sparks and open flame.

Keep container tightly closed original container and protected against freezing.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hand Protection:

Suitable chemical resistant safety 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 (0.4mm), chloroprene rubber (0.5mm), butyl rubber (0.7mm) and other.

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 are practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Eye Protection:

Safety glasses with side-shields (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 shift. Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	White
Flash Point:	Not Applicable
Water Solubility:	Miscibility with water

10. STABILITY AND REACTIVITY

Thermal Decomposition

No decomposition if used correctly.

Hazardous Reactions

No hazardous reactions when stored and handled according to instructions. After long storage, slight quantities of carbon monoxide may be formed.

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11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Assessment of acute toxicity:

Virtually non-toxic after a single ingestion. The product has not been tested. The statement has been derived from products of a similar structure of composition.

Experimental/calculated date:

LD50 rat (oral): > 2000 – 10000 mg/kg

Assessment of irritation effects:

If the products adhere to skin, irritation may occur when it dries.

Experimental/calculated date:

Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Respiratory/Skin Sensitization

Assessment to sensitization:

Skin sensitizing effects were not observed in animal studies.

Carcinogenicity

Assessment of carcinogenicity:

No data available concerning carcinogenic effects.

12. ECOLOGICAL INFORMATION

Eco-toxicity

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

Bio-accumulation

Not available.

Degradability

Not available.

13. DISPOSAL CONSIDERATIONS

General Information

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Disposal Method

Disposal of waste and residues in accordance with local authority requirements.

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14. TRANSPORT INFORMATION**General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign is required.

Environmentally Hazardous & Substance Marine Pollutant - No

15. REGULATORY INFORMATION

Classification is not required.

16. OTHER INFORMATION

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