



**SAFETY DATA SHEET
QUICSEAL 208 – PART A
TWO-PART POLYSULPHIDE JOINT SEALANT**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 208 – Two-part Polysulphide Joint Sealant (Part A)
Product Use: Two-component polysulphide joint sealant

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:

Eye irritation – Category 2

GHS LABEL ELEMENTS

Symbol(s):



Signal Word

Warning

Hazard Statements:

H319: Causes serious eye irritation

Precautionary Statements:

Prevention

P264: Wash skin thoroughly after handling.

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

Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

P337+P313: If eye irritation persists: get medical advice/attention.

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



3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Index No.	Percentage
Polysulphide polymer	68611-50-7	--	--	30 – 35%
Chloroparaffin	63449-39-8	--	--	15 – 25%

4. FIRST-AID MEASURES

General information

Take person to a safe place. Observe self-protection for first aid. Always seek medical advice in the event of contact with this substance. Show this safety data sheet to the doctor in attendance

Inhalation

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. Seek medical advice immediately and clearly identify substance.

Skin contact

Remove contaminated clothes at once. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice immediately and clearly identify substance.

Eye contact

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice immediately and clearly identify substance. Continue to bathe eyes during transport to medical practitioner.

Ingestion

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice immediately and clearly identify substance.

5. FIRE-FIGHTING MEASURES

General Fire Hazards

The product is non-flammable. If material is involved in fire, do not breathe fumes.

Fire-extinguishing Media

Suitable fire-extinguishing media: Carbon dioxide, powder, foam or water fog.

Unsuitable Fire-extinguishing media: Water jets.

Special hazards arising from the substance or mixture

Toxic fumes, chlorine compounds including hydrogen chloride, carbon oxides (CO, CO₂), non-combusted hydrocarbons (smoke) may be generated when the product is involved in fire.

Advice for fire-fighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

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

Absorb with suitable cementitious material and allow to harden. Seal in plastic bag and dispose off as a non-hazardous construction waste. Flush the contaminated area thoroughly with detergent and plenty of water. Pls. refer to local regulations regarding disposal.

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

Keep containers dry and tightly closed in a cool, well-ventilated place. Store in conformity with local fire regulations. Keep away from alkali metals and alkaline earth metals. Do not expose to naked flame and high temperatures.

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

There are no relevant exposure control measures necessary for this product.

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:	Paste
Colour:	Off-white
Odour:	Organic compound
pH (concentrate):	Not Applicable
Boiling Point/Range:	Not Applicable
Flash Point (closed up):	>125°C
Autoflammability:	Not Applicable
Explosive Properties:	Not Applicable
Vapour Pressure (kPa at 20°C):	Not Determined
Specific Gravity:	1.55 - 1.65 g/cm ³
Vapour Density:	Not Determined.
Solubility in Water:	Immiscible

10. STABILITY AND REACTIVITY

Stability

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

Possibility of hazardous reactions

No hazardous reactions are foreseeable under normal conditions of use and storage. At higher temperatures, sulphur dioxide, hydrogen sulphide, carbon monoxide, and carbon dioxide may be generated.

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. When material is involved in fire, chlorine compounds including hydrogen chloride, carbon oxides (CO, CO₂), sulphur dioxide, hydrogen sulphide, may be generated.

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 may cause eye irritation. The product is not expected to cause skin irritation.

Respiratory / Skin sensitization

The product is not expected to cause allergic skin reactions or 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.

QUICSEAL CONSTRUCTION CHEMICALS PTE LTD

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

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**SAFETY DATA SHEET
QUICSEAL 208 – PART B
TWO-PART POLYSULPHIDE JOINT SEALANT**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 208 – Two-part Polysulphide Joint Sealant (Part B)
Product Use: Two-component polysulphide joint sealant

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:

Acute toxicity, inhalation – Category 4

GHS LABEL ELEMENTS

Symbol(s):



Signal Word

Warning

Hazard Statements:

H332: Harmful if inhaled

Precautionary Statements:

Prevention

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

P271: Use only outdoors or in a well-ventilated area.

Response

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/ physician if you feel unwell

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Manganese dioxide-dispersed paraffin base

Information on hazardous components:

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Index No.	Percentage
Manganese Dioxide	1313-13-9	215-202-6	025-001-00-3	40 – 50%
Chloroparaffin	63449-39-8	--	--	15 – 25%

4. FIRST-AID MEASURES

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

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.

Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

Most important symptoms and effects, both acute and delayed

Men exposed to manganese dusts showed a decrease in fertility. Chronic manganese poisoning primarily involves the central nervous system. Early symptoms include languor, sleepiness and weakness in the legs. A stolid mask-like appearance of the face, emotional disturbances such as uncontrollable laughter and a spastic gait with tendency to fall in walking are findings in more advanced cases. High incidence of pneumonia has been found in workers exposed to the dust or fume of some manganese compounds.

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5. FIRE-FIGHTING MEASURES

General Fire Hazards

The product is non-flammable. If material is involved in fire, do not breathe fumes.

Fire-extinguishing Media

Suitable fire-extinguishing media: Carbon dioxide, powder, foam or water fog.

Unsuitable Fire-extinguishing media: Water jets.

Special hazards arising from the substance or mixture

Toxic fumes, chlorine compounds including hydrogen chloride, carbon oxides (CO, CO₂), non-combusted hydrocarbons (smoke) may be generated when the product is involved in fire.

Advice for fire-fighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

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. Immediately issue NO SMOKING and NO NAKED FLAMES warning signs in the work place.

Environmental Precautions

Prevent entry into drains, sewers and water courses.

Methods and material for containment and cleaning up

Absorb with suitable cementitious material and allow to harden. Seal in plastic bag and dispose off as a non-hazardous construction waste. Flush the contaminated area thoroughly with detergent and plenty of water. Pls. refer to local regulations regarding disposal.

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. Avoid skin and eye contact. Any accidental contact with the product must be washed with clean water. Avoid breathing vapors. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Do not expose to naked flame and high temperatures

Conditions for safe storage, including any incompatibilities

Keep containers dry and tightly closed in a cool, well-ventilated place. Store in conformity with local fire regulations. Keep away from alkali metals and alkaline earth metals. Do not expose to naked flame and high temperatures.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

Singapore Permissible Exposure Level (PEL)

Manganese oxide, CAS No. 1313-13-9 Long-term PEL = 1 mg/m³

Engineering Measures

The usage of local exhaust ventilation is recommended to control the emission process near to the sources. Provide adequate mechanical ventilation in storage and working areas.

Personal protective equipment

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

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:	Paste
Colour:	Dark Brown
Odour:	Organic compound
Boiling Point/Range:	Not Applicable
Flash Point (closed up):	>150°C
Autoflammability:	Not Applicable
Explosive Properties:	Not Applicable
Vapour Pressure (kPa at 20°C):	Not Determined
Specific Gravity:	1.65 g/cm ³
Vapour Density:	Not Determined.
Solubility in Water:	Immiscible

10. STABILITY AND REACTIVITY

Stability

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

Possibility of hazardous reactions

Avoid contact with alkali metals and alkaline earth metals. At higher temperatures, sulphur dioxide, hydrogen sulphide, carbon monoxide, and carbon dioxide may be generated.

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Conditions to Avoid

Naked flames, very high temperatures.

Materials to Avoid

Alkali metals (lithium, sodium, potassium, rubidium, caesium, francium) and alkaline earth metals (beryllium, magnesium, calcium, strontium, barium, radium)

Hazardous Decomposition Products

Heating at very high temperatures may cause the liberation of hydrogen chloride..

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, 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.

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165582CC1-2014-AE-GER-DANKS

13. DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling & methods of disposal

Take all necessary measures to prevent the production of waste whenever possible. Analyze possible methods for revaluation or recycling. Dispose of this material and its container to hazardous or special waste collection point. Do not discharge into drains or the environment, dispose of at an authorized waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty / contaminated packaging

Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

14. TRANSPORT INFORMATION

Land Transport (ADG):

Shipping Name: Corrosive Solid, Basic, Inorganic, N.O.S.
UN #: 3262
Hazard Class: 8
Packing Group: III

Label:



Air Transport (IATA):

Shipping Name: Corrosive Solid, Basic, Inorganic, N.O.S.
UN #: 3262
Hazard Class: 8
Packing Group: III

Label:



Sea transport (IMDG):

Shipping Name: Corrosive Solid, Basic, Inorganic, N.O.S.
UN #: 3262
Hazard Class: 8
Packing Group: III
Marine pollutant: Yes

Label:



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)

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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.

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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