



**SAFETY DATA SHEET
QUICSEAL 202
OVERLAPPING SUPER 0311 TAPE**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 202 – Overlapping Super 0311 Tape
Product Use: High performance synthetic rubber 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

This product is not classified as hazardous according to GHS criteria.

GHS Label Elements and Precautionary Statements

This product does not require a hazard warning label in accordance with GHS criteria.

Other hazards which do not result in classification

No specific dangers known, if the regulation/notes for storage and handling are considered.
No chronic hazard is expected when good industrial and personal hygiene is practiced.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization/Description:

A semi-solid paste based on a blend of rubber and polybutene, with inorganic fillers, plasticisers and flow modifiers.

Components

This product contains the following components classified as NON-HAZARDOUS according to the GHS Classification of Chemicals

COMPONENTS	CAS No.	PERCENTAGE
Butyl rubber	9010-85-9	2 – 12%
Barium sulfate	7727-43-7	55 – 65%
Polybutene	9003-29-6	8 – 18%

This product does not contain any hazardous components based on GHS criteria.

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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.

5. FIRE-FIGHTING MEASURES

Suitable Fire-extinguishing Media

Small fire: Use dry chemical or foam.

Large fire: Use water spray, fog or foam. Water or foam may cause frothing.

Fire Fighting Instructions

Use water spray in order to cool down the surface that exposed to the fire, and to protect the workers. Shut off source or fuel to fire if it is possible to do so without hazard.

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.

Methods and materials for containment and cleaning up

Soil spill: Eliminate all sources of ignition. Dike and contain spill with inert material such as sand and earth. Use suitable equipment like pail to scrape the spillage and transfer liquid and solid separately to containers for recovery or disposal. Seek the experts' advice regarding the disposal of recovery materials and make sure that it is equivalent to local disposal regulations.

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Water spill: Warn the other sewers. Inform the respective person in-charge at the nearby port and keep people away from the area. Eliminate all sources if possible to do so without hazard. Dike and contain spill from the surface by using suitable absorbent. Suitable dewatering and/or separation can be used at the untrapped marine area, if allowed by the respective local regulatory. Seek the experts' advice regarding the disposal of recovery materials and make sure that it is equivalent to local disposal regulations.

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

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)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Semi-solid black paste
Flash point:	Not applicable
Boiling point:	Not applicable
Melting Point:	Not applicable
Specific gravity:	1.4 - 1.5
Water solubility:	Insoluble
Soluble to:	Aromatic and aliphatic hydrocarbons
Odour:	Slight
pH:	Not applicable

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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.

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)

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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

Do not discharge into drains or the environment, dispose of to an authorised considerations waste collection point. Use appropriate containment to avoid environment contamination. Refer to manufacturer/supplier for information on recovery/recycling.

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.

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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