



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: MODIFIED SODIUM DISILICATE

Company: Recochem Inc. ABN: 69 010 485 999
Address : 1809 Lytton Road, Lytton, Queensland 4178
Phone: (07) 3308 5200 Fax: (07) 3308 5201
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: None
Manufacturer's Product Code: 19932
Recommended Use: Various

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbols: Xi - Irritant
Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system and skin
Safety Phrases: S2 - Keep out of the reach of children
S22 - Do not breathe dust
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

| <i>Chemical Entity</i> | <i>CAS Number</i> | <i>Proportion (%)</i> |
|------------------------|-------------------|-----------------------|
| Sodium Silicate | 1344-09-8 | > 90 |

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: Rinse mouth and lips with water, do NOT induce vomiting. If symptoms persist, seek medical attention.
Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical assistance.
Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation occurs seek medical advice.
Inhaled: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor: Treat symptomatically.
Additional Information: None available.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazards: None
Hazards from combustion products: None
Fire Fighting Media and Instructions: None required.
Additional Information: None.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations.

Spills and Disposal: Best cleaned up by vacuum device to avoid generating airborne dust. Keep product out of storm water and sewer drains.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling and Storage: Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Protect from moisture to prevent hardening.

Flammability: Non-flammable.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: No exposure standard has been established for this product. However the exposure standard for dust not otherwise specified is 10mg/m³ for inspirable dust and 3mg/m³ for respirable dust.

Biological Limit Values: No biological limit allocated.

Personal Protective Equipment:

Respiratory Protection: If inhalation risk exists a P2 respirator should be worn (AS/NZS 1715 and 1716).

Hand Protection: Use impervious gloves and footwear such as PVC (AS/NZS 4501 and AS 2161).

Eye Protection: Wear splash resistant safety glasses or a face shield.

Protective Clothing: Use chemical resistant glove/gauntlets, boots and apron.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling dust. Keep containers closed when not in use.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

| | |
|---------------------------------|---------------------|
| Appearance | White fine powder |
| Odour | No odour |
| pH: | 11 (1% in solution) |
| Vapour Pressure (mmHg @ 20°C): | Not applicable |
| Vapour Density (air = 1) | N/A |
| Boiling Point (°C): | N/A |
| Freezing/Melting Point (°C): | N/A |
| Solubility in Water | Soluble |
| Specific Gravity (g/ml @ 15°C): | 0.6 (ave) |
| Flashpoint (°C): | Not relevant |
| Flammability Limits (%): | Not relevant |
| Auto Ignition Temperature (°C): | Not available |
| Percent Volatiles | 0 |

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Keep free of moisture and generating dust.

Incompatible Materials: Strong acids, oxidizing agents.

Hazardous Decomposition Products: Sodium oxide vapours may be generated at high temperatures.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: May cause gastro-intestinal irritation.

Eye: Irritating to eyes.

Skin: Irritating to the skin.

Inhaled: Irritating to the nose, throat and respiratory tract causing coughing and sneezing.

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Chronic: Prolonged exposure can cause dermatitis to skin and irritation and inflammation of the cornea.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data.

Mobility: No data.

Persistence/degradability: No data.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

| | | | |
|----------------------------------|------|-----------------------|-----|
| UN Number: | N/A | Proper Shipping Name: | N/A |
| Class: | N/A | Subsidiary Risk: | N/A |
| Packing Group: | N/A | Hazchem Code: | N/A |
| Special Precautions for User: | None | | |

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : None allocated

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : N/A

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Recochem on (07) 3308 5200

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.
