



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name: SODIUM HEXAMETAPHOSPHATE**

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: SHMP, Calgon  
Manufacturer's Product Code: 11CAT  
Recommended Use: Water softening, deflocculating agent, texturiser

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## SECTION 2 HAZARDS IDENTIFICATION

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

**Symbol:** None  
**Risk Phrases:** None  
**Safety Phrases:** S2 - Keep out of the reach of children

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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| <b>Hazardous Ingredients</b>                       | <i>CAS Number</i> | <i>Proportion (%)</i> |
|--|-------------------|-----------------------|
| <i>Chemical Entity</i><br>Sodium hexametaphosphate | 68915-31-1        | 95 - 100              |

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## SECTION 4 FIRST AID MEASURES

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### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Give plenty of water to drink. Seek immediate medical attention.  
**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.  
**Skin:** If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If any irritation occurs, seek medical attention.  
**Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**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.

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## SECTION 5 FIRE FIGHTING MEASURES

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**Suitable Extinguishing Media:** Non combustible, not considered to be a significant fire risk however water spray, dry chemical or carbon dioxide extinguishers should be used.  
**Hazards from combustion products:** None expected.  
**Precautions for Fire Fighters and Special Protective Equipment:** Wear protective clothing.  
**Additional Information:** None.

**Product: SODIUM HEXAMETAPHOSPHATE**

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Observe all local and national regulations.

**Spills and Disposal, Methods and Materials for Containment and Clean Up Procedures:** Recover using non sparking tools and put the spilled material in an appropriate waste disposal container. Dispose of in accordance with regional regulations.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for Safe Handling and Storage:** Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing powder. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Standards:** No value assigned for this specific material by the National Health and Safety Commission.

**Biological Limit Values:** No biological limit allocated.

**Personal Protective Equipment:**

**Respiratory Protection:** Wear appropriate respirator when ventilation is inadequate.

**Hand Protection:** Use solvent resistant gloves (nitrile, PVC or neoprene).

**Eye Protection:** Wear safety goggles.

**Protective Clothing:** No special protection is ordinarily required beyond standard issue work clothes.

**Engineering Controls:** Avoid generating and inhaling mists. Natural ventilation should be adequate under normal use conditions.

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**SECTION 9 IDENTIFICATION**

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**PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES**

|                                 |                |
|---------------------------------|----------------|
| Appearance                      | White powder   |
| Odour                           | None           |
| pH: (10% solution)              | 5.8 - 7.3      |
| Vapour Pressure (kPa @ 20°C):   | N/A            |
| Vapour Density (air = 1)        | Not available  |
| Boiling Point (°C):             | Above 1000     |
| Freezing/Melting Point (°C):    | 616            |
| Solubility in Water             | 150g/L         |
| Specific Gravity (g/ml @ 15°C): | Not determined |
| Flashpoint (°C):                | Not applicable |
| Flammability Limits (%):        | Not applicable |
| Auto Ignition Temperature (°C): | Not available  |
| Percent Volatiles               | 0              |

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**SECTION 10 STABILITY AND REACTIVITY**

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**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** No further comment.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:** May produce poisonous and/or corrosive gases i.e. oxides of phosphorus.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**HEALTH EFFECTS**

*Acute:*

**Swallowed:** Swallowing can result in nausea, vomiting, diarrhoea and stomach pain.

**Eye:** Irritating to eyes, may cause soreness.

**Skin:** Irritating to skin.

**Inhaled:** Irritating to respiratory system.

**Chronic:** No data available.

**Product: SODIUM HEXAMETAPHOSPHATE**

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Not available.

**Mobility:** Miscible with water, avoid contaminating waterways.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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

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**SECTION 14 TRANSPORT INFORMATION**

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|----------------------------------|---------------|-----------------------|-----|
| UN Number:                       | Non Regulated | Proper Shipping Name: | N/A |
| Class:                           | N/A           | Subsidiary Risk:      | N/A |
| Packing Group:                   | N/A           | Hazchem Code:         | N/A |
| Special Precautions<br>for User: |               |                       |     |

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**SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule : None  
AICS : Components Listed  
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : N/A

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**SECTION 16 OTHER INFORMATION**

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

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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.

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