

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name : WaterSorb
Chemical Name : Blended Polymer Powder
Identified Uses: Liquid water, mud, muck or slush solidification
Supplier Name : Prozyme Australia Pty. Ltd
Supplier Address : 28-32 Railway Parade, Welshpool WA 6148
Emergency Telephone Number : 0427 786 662

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Classification: Not classified as hazardous according to the criteria of the Work Health & Safety Regulations, Australia

GHS Label Elements:

Signal Word: No signal word

Hazard statement: No known significant effects or critical hazards

Precautionary Statements:

Prevention: Not Applicable

Response: Not Applicable

Storage: Not Applicable

Disposal: Not Applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: This product is a mixture

Other means of identification: Synthetic polymer emulsion

There are no ingredients present which, within the current knowledge of the manufacturer/supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

Description of necessary first aid measures:

Inhalation : Move the affected person to fresh air. Keep at rest and warm. If symptoms persist seek medical attention.

Ingestion : Wash out mouth thoroughly with water. Give plenty of water to drink. Seek medical attention.

Skin : If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.

Eye : Remove excess product by gently wiping with absorbent cloth or tissue. Hold eyes open and flush immediately with large amounts of water for at least 15 minutes. Seek medical attention if irritation persists.

SECTION 4. FIRST AID MEASURES

Potential Acute Health Effects:

Eye Contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards
Skin Contact: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards

Over-exposure signs/symptoms:

Eye Contact: No specific data
Inhalation: No specific data
Skin Contact: No specific data
Ingestion: No specific data

Indication of immediate medical attention and specific treatment needed, if necessary:

Advice to physician: Treat symptomatically. Contact poison treatment specialist if large quantities have been ingested.

SECTION 5. FIRE FIGHTING MEASURES

Hazchem Code: None Allocated

Suitable Extinguishing Media: Alcohol-resistant foam, carbon dioxide, dry chemical or water fog.

Unsuitable Extinguishing Media: No data available

Special hazards arising from the substance or mixture:

Hazardous combustion products: In the event of a fire, product may evolve toxic gases including oxides of carbon and nitrogen.

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective suit and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Slippery when spilt. Clean up spills immediately to avoid further accidents. Wear protective equipment as specified in Section 8 to avoid skin and eye contact. Evacuate all unnecessary personnel. Stop leak if safe to do so.

Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of natural open bodies of water.

Methods and materials for containment and cleaning up:

Small spills may be cleaned up with absorbent cloth. For large spills, contain spilled material using sand or earth or other absorbent material. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth to suitable containers for disposal. Clearly label all containers. After cleaning up, wash contaminated area with detergent and water.

SECTION 7. HANDLING AND STORAGE**Precautions for safe handling:**

Observe good personal hygiene practices when handling this product. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing.

Conditions for safe storage

Store in a cool, dry, well-ventilated area out of direct sunlight. Keep containers closed when not in use. Store away from incompatible materials as specified in Section 10.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits: None

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Protective Measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Skin protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. (e.g. Neoprene gloves)

Eye/Face protection: Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed if risk assessment indicates a higher degree of protection is required. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off white powder

Odour : Slight odour

Melting Point : 0 °C (water)

Boiling Point : 280 °C

Solubility in water : Not soluble

Specific Gravity : 1.00 – 1.10

pH Value : 6.0 – 7.0

Vapour Pressure : Not Determined

Vapour Density : Not Determined

Evaporation Rate : Not volatile

Viscosity : Not applicable

Flash Point : >150 °C

Flammability : Combustible

Flammable Limits : Not applicable
Lower / Upper

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability : Stable under normal conditions of storage and handling.

Reactivity: Low reactivity

Possibility of hazardous reactions: Low probability and not known

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials : Strong oxidising agents

Hazardous Decomposition Products : If heated to decomposition (>200°C), this product may produce toxic fumes including oxides of carbon and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available

Acute oral toxicity:	Very Low Toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Acute dermal toxicity:	Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Acute oral toxicity:	With good ventilation, single exposure is not expected to cause adverse effects. If material is heated or areas are poorly ventilated, vapour/mist may accumulate and cause respiratory irritation and symptoms such as headache and nausea. For this family of materials: The LC50 has not been determined.
Skin corrosion/irritation:	Brief contact is essentially non-irritating, however extended contact may cause redness, itching and mild irritation for susceptible individuals. Material may stick to skin, causing irritation upon removal.
Eye damage/irritation:	May cause slight eye irritation.
Sensitisation:	For skin sensitisation: No relevant data found For respiratory sensitisation: No relevant data found
Carcinogenicity:	No relevant data found
Teratogenicity:	No relevant data found
Reproductive toxicity:	No relevant data found
Mutagenicity:	No relevant data found
Aspiration Hazard	Based on physical properties, not likely to be an aspiration hazard.
Components Influencing Toxicology:	Not available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available

Acute toxicity to fish:	Material is not classified as dangerous to aquatic organisms.
Acute toxicity to aquatic invertebrates:	Material is not classified as dangerous to aquatic organisms.
Acute toxicity to algae/aquatic plants:	Material is not classified as dangerous to aquatic organisms.
Toxicity to bacteria:	Material is not classified as dangerous to aquatic organisms.
Biodegradability:	Material is biodegradable.
Bioaccumulation potential:	No bioconcentration of the product is expected due to its high molecular weight.
Mobility in Soil:	Expected to degrade in soil and water.
PBT and vPvB assessment:	This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects:	No relevant data found

SECTION 13. DISPOSAL CONSIDERATIONS

The disposal of the spill or waste material must be done in accordance with applicable local and national regulations.

SECTION 14. TRANSPORT INFORMATION

Road and rail transport:	Not regulated for the Transport of Dangerous Goods by Road and Rail (ADG Code).
Marine Transport:	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code or IMO Code) for transport by sea.

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Hazchem Code: None Allocated

SECTION 15. REGULATORY INFORMATION

Poisons Schedule : Not scheduled

AICS (Australia) : All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or otherwise are in compliance with NICNAS requirements.

Other: This product is not a hazardous chemical under 29CFR 1910.1200

SECTION 16. OTHER INFORMATION

Date of Preparation of SDS : April 2023

The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.

.....**End of SDS**.....