Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name :	SoilGlu
Chemical Name :	Water based polymer emulsion
Identified Uses:	Dust Suppressant, Erosion Control and Soil Stabilisation Aid
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 :	If in eyes, hold eye lids apart and flush immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

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: Use extinguishing media appropriate for surrounding fire

Unsuitable Extinguishing Media: No data available

Special hazards arising from the substance or mixture:

Hazardous combustion products: No data available

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:

Use personal protective equipment. Keep people away of spill. Material can create slippery conditions.

Environmental precautions:

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

Methods and materials for containment and cleaning up:

Contain spills immediately with inert materials (e.g. sand) Transfer spilled material to suitable containers for disposal according to local authority regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes, skin and clothing. Use in well ventilated areas. Do not breathe vapours, mist or fumes.

Conditions for safe storage

Store in original container protected from direct sunlight in a dry, cool and well ventilated area. Keep container tightly sealed until ready for use. Keep from freezing – product stability may be affected. Stir well before use.
Storage Temperature: 1 - 45°C

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 :	Milky White Liquid
Odour :	Slight odour
Melting Point :	0 °C (water)
Boiling Point :	100 °C (water)
Solubility in water :	Miscible in all proportions
Specific Gravity :	1.06 – 1.10
pH Value :	8.0 – 9.0
Vapour Pressure :	17 mmHg @ 20 °C
Vapour Density :	Not available
Evaporation Rate :	Not available
Viscosity :	700 - 1,200 cPs
Flash Point :	Not applicable
Flammability :	Non-combustible liquid
Flammable Limits : Lower / Upper	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability :	Stable under normal conditions of storage and handling.
Reactivity:	No data available
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible Materials :	There are no known materials which are incompatible with this product
Hazardous Decomposition Products :	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide. Hazardous Polymerisation is not likely to occur.

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.

For this family of materials: LD_{50} – Rat > 5,000 mg/kg

Acute dermal toxicity:	Prolonged skin contact in unlikely to result in absorption of harmful amounts. For this family of materials: LD_{50} – Rat > 2,000 mg/kg
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 (LC_{50}/EC_{50}/IC_{50}/LL_{50}/EL_{50} greater than 100 mg/L in most sensitive species).
Acute toxicity to aquatic invertebrates:	For this family of materials: EC_{50}, Daphnia magna (Water flea), 48 Hour > 100 mg/l
Acute toxicity to algae/aquatic plants:	For this family of materials: ErC_{50}, Selenastrum capricornutum (green algae) 72 Hour, Growth rate inhibition > 1,000 mg/L
Toxicity to bacteria:	For this family of materials: EC_{50}, activated sludge, 3 Hour, Respiration rates > 100 mg/l
Biodegradability:	Material is ultimately biodegradable. Reaches >70% mineralisation in OECD test(s) for inherent biodegradability. 10 day window: not applicable. Biodegradation: >93% over 28 days exposure time (OECD Test Guideline 302B or equivalent)
Bioaccumulation potential:	No bioconcentration of the product is expected due to its high molecular weight.
Mobility in Soil:	No relevant data found
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
Harmonised System Code:	3906.90

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……..