



SAFETY DATA SHEET

MAKPROOF WATER PLUG

Makrete Pty Ltd

Version No: 1.0

Issue Date:

Jun 2023

GHS7

SECTION 1 MATERIAL AND SUPPLY COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product Name	MAKPROOF WATER PLUG
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RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant Identified uses	Rapid Setting Cementitious Repair Mortar
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DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered Company Name	Makrete Pty Ltd
Address	PO Box 50, Montmorency, VIC 3094
Telephone	1300 911 161
Website	www.makrete.com.au
Email	admin@makrete.com.au

EMERGENCY TELEPHONE NUMBER

Emergency Telephone Numbers	1300 911 161
Other emergency telephone numbers	

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Poisons Schedule	Not Applicable
Classification	Skin Corrosion/Irritation Category 2, Serious Eye Damage Category 1, Carcinogenicity not applicable

LABEL ELEMENTS

Health Hazard
Corrosion

Hazard pictogram(s)	
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SIGNAL WORD	DANGER
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HAZARD STATEMENT(S)

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S) PREVENTION

P271	Use only outdoors or if used indoors ensure a well-ventilated area.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P261	Avoid breathing dust/fumes.
P264	Wash all exposed external body areas thoroughly after handling.

PRECAUTIONARY STATEMENT(S) RESPONSE

<p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Immediately call a doctor.</p>
<p>IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.</p>

PRECAUTIONARY STATEMENT(S) STORAGE

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

PRECAUTIONARY STATEMENT(S) DISPOSAL

Dispose of contents/container to an approved waste disposal plant.
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OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION.

When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g., when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Product dust may be irritating to eyes, skin and respiratory system. Repeated exposure may cause skin dryness or cracking.

STANDARD FOR UNIFORM SCHEDULING OF MEDICINES AND POISONS (SUSMP)

No poisons schedule number allocated.
 Poison Schedule Number Not applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCES

Not applicable

CHEMICAL ENTITY

CAS No	%[weight]	Name
65997-15-1	40-60 %	Portland Cement
14808-60-7	30 - 60 %	Graded Silica Aggregate
1305-62-0	5-10%	Hydrated Lime

SECTION 4 FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Emergency telephone numbers Poisons Information Centre Australia: 131 126
Poisons Information Centre New Zealand: 0800 764 766

General Advice	If medical advice is needed, have product container or label at hand.
Eye Contact	Do not rub affected area. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.
Skin Contact	Brush off loose particles from skin. Remove material from skin immediately. Take off contaminated clothing and wash before reuse.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed:

SYMPTOMS:-

Burning sensation. Causes serious eye damage. Irritating to skin. Inhalation of dust in high concentration may cause irritation of respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers.

Indication of any immediate medical attention and special treatment needed – Note to physicians - Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available.
Specific Hazards arising from the chemical	No information available.
Hazardous Combustion Products	Carbon oxides. Sulphur oxides.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

Special Protective Equipment and Precautions for Fire-Fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Do not allow to enter into soil/subsoil.

Personal Precautions	Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required.
Other Information	Refer to protective measures listed in Sections 7 and 8.
For Emergency Responders	Use personal protection recommended in Section 8.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Prevent dust cloud.
Methods for Cleaning Up	Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.
Precautions to Prevent Secondary Hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Safe Handling	Ensure adequate ventilation. Avoid generation of dust. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Take off contaminated clothing and wash before reuse.
General Hygiene Considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep the packing dry and well-sealed to prevent contamination and absorption of humidity. Protect from moisture.
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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

EMERGENCY LIMITS

Source	Ingredient	Material name	TWA	STEL
Australia Exposure Standards	Graded Silica Aggregate	Silica Quartz	0.05 mg/m ³	Not Available
Australia Exposure Standards	Portland Cement	Portland Cement	10 mg/m ³	Not Available
Australia Exposure Standards	Calcium Hydroxide	Hydrated Lime	5mg/ m ³	Not Available

EXPOSURE CONTROLS

Appropriate Engineering Controls	Showers, eyewash stations and ventilation systems.
Personal Protection Equipment	
Eye and Face Protection	Tight sealing safety goggles.
Skin and Body Protection	Wear suitable protective clothing. Long sleeved clothing.
Hand Protection	Wear suitable gloves. Impervious gloves.
Respiratory Protection	Wear a respirator conforming to EN 140 with Type P2/P3 filter or better.
Environment Exposure Controls	No information available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey Powder		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Odourless	pH (as aqueous solution)	No information available
Odour Threshold	Not Applicable	Auto-ignition temperature (°C)	Not Available
pH	Not Applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Applicable	Liquid Density	No information available
Initial boiling point and boiling range (°C)	Not Applicable	Vapour Pressure	No information available
Flash point (°C)	Not Applicable	Solubility(ies)	No information available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Dynamic Viscosity	Not applicable
Lower Explosive Limit (%)	Not Available	Softening Point	Not applicable
Solubility in water (g/L)	Miscible	Solid Content	100
Vapour density (Air = 1)	Not Available	VOC content	No information available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Product cures with moisture.
Chemical stability	Keep away from incompatible materials. Stable under recommended storage conditions.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Product cures with moisture. Protect from moisture.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents. Acids. Aluminium.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides (NOx). May emit toxic fumes under fire conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

INFORMATION ON LIKELY ROUTES OF EXPOSURE – PRODUCT INFORMATION

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye Contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
Skin Contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (Based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 12 ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients):>100mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data.

Acute toxicity estimate (based on ingredients):>100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow<4.

Ecotoxicity: No information available

Persistence and degradability: No

information available Bio

accumulative potential: No

information available Mobility: No

information available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product/Packaging Disposal	Containers may still present a chemical hazard/ danger when empty. Return to supplier for reuse/ recycling if possible. Otherwise: If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product. DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill.
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SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	No
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

Safety, Health and Environmental Regulations / Legislation specific for the substance or mixture

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System – Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

International Agency for Research on Cancer (IARC) – Agents classified by the IARC Monographs

International Air Transport Association (IATA) Dangerous Goods Regulations – Prohibited List Passenger and Cargo Aircraft

PORTLAND CEMENT (65997-15-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

National Inventory	Status
Australia - AICS	Y
Canada - DSL	Y
Canada - NDSL	N (Portland Cement, Graded Aggregate, Calcium Sulphate)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (Portland Cement)
Korea - KECI	Y
New Zealand - NZIoC	Y
Philippines - PIGGS	N (Portland Cement)
USA - TSCA	Y
Legend:	<i>Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)</i>

SECTION 16 OTHER INFORMATION

This Safety Data Sheet (SDS) summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and how to safely handle and use the product in the workplace. Since the company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage review the SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.
