



## SAFETY DATA SHEET

### MAKPROOF 1K

Makrete Pty Ltd

Version No: 1.0

Issue Date:

Jun 2023

GHS7

## SECTION 1 MATERIAL AND SUPPLY COMPANY IDENTIFICATION

### PRODUCT IDENTIFIER

Product Name	MAKPROOF 1K
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### RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant Identified uses	Polymer Modified Cementitious Waterproofing Membrane
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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	<a href="http://www.makrete.com.au">www.makrete.com.au</a>
Email	<a href="mailto:admin@makrete.com.au">admin@makrete.com.au</a>

### 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	<b>DANGER</b>
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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><b>IF IN EYES:</b> 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><b>IF ON SKIN:</b> 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.
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**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

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### SUBSTANCES

Not applicable

### CHEMICAL ENTITY

CAS No	%[weight]	Name
65997-15-1	10 - 30 %	Portland Cement
14808-60-7	30 - 60 %	Graded Silica Aggregate
7778-18-9	5 - 10 %	Calcium Sulphate

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## 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

<b>General Advice</b>	If medical advice is needed, have product container or label at hand.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Brush off loose particles from skin. Remove material from skin immediately. Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	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.**

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## SECTION 5 FIREFIGHTING MEASURES

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

### SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	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.

<b>Personal Precautions</b>	Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required.
<b>Other Information</b>	Refer to protective measures listed in Sections 7 and 8.
<b>For Emergency Responders</b>	Use personal protection recommended in Section 8.
<b>Methods for Containment</b>	Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Prevent dust cloud.
<b>Methods for Cleaning Up</b>	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.
<b>Precautions to Prevent Secondary Hazards</b>	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

<b>Safe Handling</b>	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.
<b>General Hygiene Considerations</b>	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

<b>Storage Conditions</b>	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 <sup>3</sup>	Not Available
Australia Exposure Standards	Portland Cement	Portland Cement	10 mg/m <sup>3</sup>	Not Available
Australia Exposure Standards	Calcium Sulphate	Calcium Sulphate	10 mg/m <sup>3</sup>	Not

### EXPOSURE CONTROLS

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

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

## SECTION 10 STABILITY AND REACTIVITY

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

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## SECTION 11 TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

#### INFORMATION ON LIKELY ROUTES OF EXPOSURE – PRODUCT INFORMATION

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

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## 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

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## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Product/Packaging Disposal</b>	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

<b>Marine Pollutant</b>	No
<b>HAZCHEM</b>	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

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## 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

<b>National Inventory</b>	<b>Status</b>
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
<b>Legend:</b>	<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>

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## 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.