



SAFETY DATA SHEET

MAKPROOF WPU

Makrete Pty Ltd

Version No: 1.0

Issue Date:

Aug 2022

SECTION 1 MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Identifier

Product Name	MAKPROOF WPU
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Relevant identified uses of the substance or mixture and uses advised against

Relevant Identified uses	Waterproofing, Sealing
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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	Poisons Information Centre, Australia: 13 11 26 Poisons Information Centre, New Zealand: 0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Poisons Schedule	Not Applicable
Classification	Not Applicable

Label elements

Hazard pictogram(s)	Not Applicable
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SIGNAL WORD	Not Applicable
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Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures.

Chemical Entity

CAS No	%[weight]	Name
1317-65-3	20-30	Calcium Carbonate
13463-67-7	1-5	Titanium Dioxide
Not Available	>60	Ingredients determined not to be hazardous

SECTION 4 FIRST AID MEASURES

Description of First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth.

Most important symptoms and effects, both acute and delayed – No information available.**Indication of any immediate medical attention and special treatment needed** – 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. Hydrocarbons.
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Advice for firefighters

Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area.
Fire Explosion Hazard	Not Combustible. Not considered a significant risk, however containers may burn. Decomposes on heating and procedures: Carbon Dioxide (CO ₂) Metal Oxides Other pyrolysis products typical of burning organic material. May emit poisonous fumes. May emit corrosive fumes.
HAZCHEM	Not Applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8.

Environmental precautions

See section 12.

Minor Spills	Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact with the substance wear protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite.
Major Spills	Moderate hazard. Clear all areas of unprotected personnel. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves.

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

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe Handling	Handle in accordance with good industrial hygiene and safety practice.
Other information	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers.

Conditions for safe storage, including any incompatibilities.

Suitable Container	Keep container tightly closed in a dry and well-ventilated place. Polyethylene or polypropylene container.
Storage Incompatibility	Avoid reaction with oxidising agents.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits (Oel)

INGREDIENT DATA


Source	Ingredient	Material name	TWA	STEL	Notes
Australia Exposure Standards	Calcium Carbonate	Calcium Carbonate	10mg/m3	Not Available	This value is for inhalable dust containing no asbestos and <1% crystalline silica.
Australia Exposure Standards	Titanium Dioxide	Titanium Dioxide	10mg/m3	Not Available	This value is for inhalable dust containing no asbestos and <1% crystalline silica.

EMERGENCY LIMITS

Source	Ingredient	TEEL-1	TEEL-2	TEEL-3
Australia Exposure Standards	Calcium Carbonate	45 mg/m3	210 mg/m3	1,300 mg/m3
Australia Exposure Standards	Titanium Dioxide	30mg/m3	330mg/m3	2,000 mg/m3

Ingredient	Original IDLH	Revised IDLH
Calcium Carbonate	Not Available	Not Available
Titanium Dioxide	5,000 mg/m3	Not Available

Exposure controls

Appropriate Engineering Controls	<p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.</p>
Personal Protection	
Eye and Face Protection	<p>Safety glasses with side shields.</p> <p>Chemical goggles.</p> <p>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</p>
Skin Protection	See Hand protection below.
Hands/Feet protection	<p>Wear chemical protective gloves. e.g., PVC</p> <p>Wear safety footwear or safety gumboots, e.g., Rubber</p> <p>Do not use natural rubber, butyl rubber, EPDM or polystyrene containing materials.</p> <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances must be obtained from the manufacturer of the protective gloves and must be observed when making a final choice.</p> <p>Personal hygiene is a key element of effective hand care.</p>
Body protection	See Other protection below.

Other protection	Overalls Barrier Cream Eyewash PVC Apron
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Thick grey liquid, mixes with water. Thixotropic Paste.		
Physical state	Liquid	Relative density (Water = 1)	1.3
Odour	Slight	Partition coefficient n-octanol / water	Not Available
Odour Threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	9.5	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular Weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable for liquids	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See Section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See Section 7
Conditions to avoid	See Section 7
Incompatible materials	See Section 7
Hazardous decomposition products	See Section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	This product does not produce respiratory irritation.
Ingestion	This product should not be consumed.
Skin Contact	There are no harmful effects to the skin.
Eye	If the product encounters eyes, it may produce transient discomfort.
Chronic Toxicity	Long term exposure to the product is not thought to produce chronic effects adverse to health.

SECTION 12 ECOLOGICAL INFORMATION

Avoid contaminating waterways and do not discharge into sewer.

Ecotoxicity: Aquatic ecotoxicity.

Persistence and degradability: Titanium Dioxide is considered high for water/soil and air.

Bio accumulative potential: Titanium Dioxide is low (BCF = 10).

Mobility: Titanium Dioxide is low (KOC = 23.74).

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal	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. Disposal to sewer may be subject to local laws and regulations. Recyclable wherever possible.
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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.

Calcium Carbonate is found on the following regulatory lists. Australian Inventory of Industrial Chemicals (AIIC)

Titanium Dioxide is found on the following regulatory lists: Australian Inventory of Industrial Chemicals (AIIC)

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

National Inventory	Status
Australia - AICS	Y
Canada - DSL	N
Canada - NDSL	N
China - IECSC	N
Europe - EINEC / ELINCS / NLP	N
Japan - ENCS	N
Korea - KECI	N
New Zealand - NZIoC	Y
Philippines - PIGGS	N
USA - TSCA	N
Legend:	<i>Y = All ingredients are on the inventory</i> <i>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 in particular 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.