


Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	WPA 100
Product Code(s)	420-310
Synonyms	None
Relevant identified uses of the substance or mixture and uses advised against	
Recommended Use	Cementitious Waterproofing Membrane
Supplier	Waterproofing Products Australia
Address	PO Box 33 Archerfield BC, Queensland 4108
Telephone	+61 (7) 3722 3822
Email	info@wpa-us.com.au
Emergency Contact	Australian Poisons Information Centre 13 11 26

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	
This material is Hazardous according to the criteria of Safe Work Australia GHS 7.	
Poisons Schedule	Not Applicable
Classification [1]	Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Eye Irritation - Category 1 Carcinogenicity - Category 3
Single word	DANGER 
HAZARD STATEMENTS	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H350	May cause cancer.
PRECAUTIONARY STATEMENTS - PREVENTION	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash face, hands and any exposed skin thoroughly after handling.
P280	Wear protective gloves, protective clothing, eye protection and face protection.

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

PRECAUTIONARY STATEMENTS - RESPONSE

P308	IF exposed or concerned: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation occurs: Get medical advice/attention.
P362+363	Take off contaminated clothing and wash it before reuse.

PRECAUTIONARY STATEMENTS - STORAGE

P405	Store locked up.
P403+P232	Store in a well-ventilated place. Keep container tightly closed.

PRECAUTIONARY STATEMENTS - DISPOSAL

P501	Dispose of contents to authorised waste collection point in accordance with any local regulation.
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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.

Poisons Schedule	Not Applicable
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3. COMPOSITION INFORMATION**SUBSTANCES**

See section below for composition of mixtures.

Chemical Name	CAS Number	Proportion %
Portland cement (Chromium VI reduced)	65997-15-1	10-<30
Calcium aluminate sulphate	12005-25-3	0-<10
Calcium oxide	1305-78-8	0-<10
Ashes, residues	68131-74-8	0-<10
Ingredients determined to be non-hazard	-	To 100

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone 131 126)

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

Inhalation	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Ingestion	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice
Skin Contact	If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.
Eye Contact	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Indication of any immediate medical attention and special treatment needed.

- Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media	
<ul style="list-style-type: none"> • There is no restriction on the type of extinguisher which may be used. • If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder). 	
Special hazards	No Information available.
Fire Incompatibility	None known.
Hazardous Hazardous combustion products	Carbon oxides.
Advice for firefighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
Hazchem Code	Not Applicable

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	
See section 8.	
Environmental precautions	
See section 12.	
Methods and material for containment and cleaning up	
Minor Spills	Clean up all spills immediately. Avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves, safety glasses and dust respirator. Use dry clean up procedures and avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.
Major Spills	Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Use dry clean up procedures and avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Precautions for safe handling	
Safe Handling	Avoid all personal contact, including inhalation. Avoid generation of dust. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area.
Other Information	Do not eat, drink or smoke when using this product.
Conditions for safe storage, including any incompatibilities	
Suitable Container	Store in original packaging. Keep packaging securely sealed. Store in a cool, dry, well-ventilated area. Multi-ply paper bag with sealed plastic liner. NOTE: Bags should be stacked, blocked, interlocked, and limited in height so that they are stable and secure against sliding or collapse. Check that all containers are clearly labelled and free from leaks. Packing as recommended by manufacturer
Storage Incompatibility	Avoid strong acids and bases. Strong oxidizing agents. Acids. Aluminium.

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Ingredients	TWA		STEL		Notes
	ppm	mg/m3	ppm	mg/m3	
Portland cement (Chromium VI reduced)	-	10	-	-	-
Calcium oxide	-	2	-	-	-

AS PUBLISHED BY SAFE WORK AUSTRALIA.


TWA	The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
STEL	(Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
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EXPOSURE CONTROLS

Appropriate engineering controls	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Avoid generating and inhaling dust. Use with local exhaust ventilation Wear a respirator conforming to EN 140 with Type P2/P3 filter or better.
Personal protection	
Hygiene measures	Keep away from food, drink and animal feeding stuff. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

Body protection	See other protection below
Other protection	Overalls. P.V.C. apron. Barrier cream. Eyewash unit. Skin cleaning cream.
Respiratory protection	Wear a respirator conforming to EN 140 with Type P2/P3 filter or better.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties			
Appearance	Grey Powder		
Physical state	Solid	Vapour pressure (kPa)	Not Available
Odour	Characteristic	Vapour density (Air = 1)	Not Available
Odour threshold	Not Available	Relative density (Water = 1)	Not Available
pH (as supplied)	Not Available	Flash point (°C)	Not Available
Viscosity (cSt)	Not Available	Flammability	Not Available
pH as a solution (1%)	Not Available	Volatile Component (%vol)	Not Available
Solubility in water	Not Available	VOC g/L	1

10. STABILITY AND REACTIVITY

Reactivity	See section 7.
Chemical Stability	Unstable in the presence of incompatible materials. Product is considered stable under recommended storage conditions.
Possibility of Hazardous reaction	See section 7.
Conditions to avoid	See section 7.
Incompatible materials	See section 7.
Hazardous decomposition products	See section 5.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

Acute Effects	
Inhalation	The material can cause respiratory irritation in some people. Inhalation of dust, generated by the material during the course of normal handling, may be damaging to the health of the individual. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.
Ingestion	Accidental ingestion of the material may be damaging to the health of the individual.
Skin Contact	The material may cause moderate inflammation of the skin either following direct contact or after a delay of some time. Repeated exposure can cause contact dermatitis which is characterised by redness, swelling and blistering.
Eye	If applied to the eyes, this material causes severe eye damage.
Acute Toxicity	
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Ingestion	This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD50 > 2,000 mg/Kg bw
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Corrosion/Irritancy	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
Sensitisation	Skin: Redness. Burning. May cause blindness. Eyes: May cause redness and tearing of the eyes.
Aspiration hazard	No information available.
Specific target organ toxicity (single exposure)	Based on available data, the classification criteria are not met.
Chronic Toxicity	
Mutagenicity	No information available.
Carcinogenicity	Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	Australia	European Union	IARC
Ashes, residues 68131-74-8			Group 1

Safety Data Sheet

ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

Legend

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Reproductive toxicity (including via lactation)	No information available.
Specific target organ toxicity (single exposure)	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeat exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Aquatic ecotoxicity					
Chemical name	Endpoint	Test Duration	Species	Value	Source
Calcium oxide 1305-78-8	EC50	72hr	Algae/aquatic plants (green algae)	106,02 mg/l	Not Available
	LC50	96hr	Fish (Oncorhynchus mykiss)	50.6 mg/l	Not Available
	EC50	3hr	Microorganisma (Bacteria)	229,2 mg/l	Not Available
Ashes, residues 68131-74-8	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	24hr	Crustacea (Daphnia magna)	140-2000 mg/l	Not Available

DO NOT discharge into sewer or waterways.

Persistence and degradability	No information available
Bioaccumulative potential	There is no data for this product
Mobility	No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Product / Packaging disposal	<p>DO NOT allow wash water from cleaning equipment to enter drains.</p> <p>Dispose of waste in accordance with environmental legislation.</p> <p>Dispose of in accordance with local regulations.</p> <p>Do not reuse empty containers.</p>

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Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT (ADG)
Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
MARINE TRANSPORT
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG 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.

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

Not Applicable.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations / legislation specific for the substance or mixture.

National regulations	
Australia	See section 8 for national exposure control parameters
Poison schedule number	Not applicable
National pollutant inventory	Subject to reporting requirement

Chemical name	National pollutant inventory
Ashes, residues 68131-74-8	10 tonne/yr Threshold category 1 2000 tonne/yr Threshold category 2b 60000 MWH Threshold category 2b 20 MW Threshold category 2b

International Inventories	
National Inventory	Status
Australia – AIIC / Australian Inventory of industrial Chemicals	Yes
New Zealand – NZIoC / New Zealand Inventory of Chemicals	Yes
Japan – ENCS / Japan Existing and New Chemical Substances	No
China – IECSC / China Inventory of Existing Chemical Substances	No
Korea – KECI / Korean Existing and Evaluated Chemical Substances	No

Safety Data Sheet ISSUED NOVEMBER 2024

Hazardous Chemical, NON-Dangerous Goods

Philippines – PICCS / Philippines Inventory of Chemicals and Chemical Substances

No

This material is not subject to the following International agreements

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)

The Rotterdam Convention (Prior Informed Consent)

This material/constituent(s) is covered by the following requirements

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Australia -EN.

16. OTHER INFORMATION

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: www.wpa-aus.com.au.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Waterproofing Products Australia. This MSDS 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 Waterproofing Products Australia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Waterproofing Products Australia shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

DOCUMENT CONTROL	
Product	WPA 100
Initial Issue	March 2019
Technical Amendment	November 2024
Author	SR

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