

Safety Data Sheet REVISION DATE: JULY 2019

NON - Hazardous Substance, NON - Dangerous Goods Australia

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: WPA MS
Product Code(s): 800-105
Synonyms: WPA MS
Recommended Use: Adhesive / Sealant
Supplier: Waterproofing Products Australia
Address: PO Box 1213 Archerfield BC, Queensland 4108
Telephone numbers: +61 (7) 3722 3700
Facsimile number: +61 (7) 3722 3711
Email: info@waterproofingproductsaustralia.com.au
Emergency Contact: Australian Poisons Information Centre 13 11 26

2. HAZARDS IDENTIFICATION

Statement of hazardous / dangerous nature: This material is not hazardous according to health criteria of Safe Work Australia. Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

SIGNAL WORD

Not Applicable.

3. COMPOSITION INFORMATION

Chemical Name:	CAS Number:	Proportion:
Modified silane	-	20-60%
Limestone	1317-65-3	20-50%
Amorphous silica	7631-86-9	5-50%

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4. FIRST AID MEASURES

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

Inhalation: If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

Ingestion: Immediately give a glass of water.
First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: If skin or hair contact occurs:
• Flush skin and hair with running water (and soap if available).
• Seek medical attention in event of irritation.

Eye Contact: If this product comes in contact with eyes:
• Flush skin and hair with running water (and soap if available).
• If irritation continues, seek medical attention.
• Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Notes to Physician: Treat symptomatically. Effects may be delayed.

5. FIRE FIGHTING MEASURES

Extinguishing media:
• Foam.
• Dry chemical powder.
• BCF (where regulations permit).
• Carbon dioxide.

Specific Hazards:
• Combustible.
• Slight fire hazard when exposed to heat or flame.
• Heating may cause expansion or decomposition leading to violent rupture of containers.
• On combustion, may emit toxic fumes of carbon monoxide (CO).
• Silicon dioxide (SiO₂).
• May emit poisonous fumes.

Firefighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.
Wear breathing apparatus plus protective gloves.
Prevent, by any means available, spillage from entering drains or water courses.
Use water delivered as a fine spray to control fire and cool adjacent area.

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6. ACCIDENTAL RELEASE MEASURES

Small Spills:.....

- Clean up all spills immediately.
- Avoid contact with skin and eyes.
- Wear impervious gloves and safety goggles.
- Trowel up/scrape up.

Large Spills:.....

- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact with the substance, by using protective equipment as required.

Precautions for clean-up crew:.....Slippery when spilt. Avoid accidents, clean up immediately.

7. HANDLING AND STORAGE

Handling:.....

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.

Storage:.....

- Store in original containers.
- Keep containers securely sealed.
- No smoking, naked lights or ignition sources.
- Store in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS (OEL)

Ingredient Data

Source	Ingredient	Material Name	TWA	STEL	Peak	Notes
Australia Exposure Standards	limestone	Calcium carbonate	10 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Fumed silica (respirable dust)	2 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Silica - Amorphous: Fume (thermally generated) (respirabledust)	2 mg/m3	Not Available	Not Available	Not Available

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Australia Exposure Standards	Silica Amorphous	Silica - Amorphous: Fumed silica (respirable dust)	2 mg/m ³	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Diatomaceous earth (uncalcined)	10 mg/m ³	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Silica gel	10 mg/m ³	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Silica - Amorphous: Diatomaceous earth (uncalcined)	10 mg/m ³	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Precipitated silica	10 mg/m ³	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Silica - Amorphous: Precipitated silica	10 mg/m ³	Not Available	Not Available	Not Available
Australia Exposure Standards	Silica Amorphous	Silica - Amorphous: Silica gel	10 mg/m ³	Not Available	Not Available	Not Available

OCCUPATIONAL EXPOSURE LIMITS (OEL)

Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
Limestone	Limestone; (Calcium carbonate; Dolomite)	45 mg/m ³	500 mg/m ³	3,000 mg/m ³
Limestone	Carbonic acid, calcium salt	45 mg/m ³	210 mg/m ³	1,300 mg/m ³
Silica Amorphous	Silica gel, amorphous synthetic	18 mg/m ³	200 mg/m ³	1,200 mg/m ³
Silica Amorphous	Silica, amorphous fumed	18 mg/m ³	100 mg/m ³	630 mg/m ³
Silica Amorphous	Siloxanes and silicones, dimethyl, reaction products with silica; (Hydrophobic silicon dioxide, amorphous)	120 mg/m ³	1300 mg/m ³	7,900 mg/m ³
Silica Amorphous	Silica, amorphous fume	45 mg/m ³	500 mg/m ³	3,000 mg/m ³

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Silica Amorphous	Silica amorphous hydrated	18 mg/m3	220 mg/m3	1,300 mg/m3
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Ingredient	Original IDLH	Revised IDLH
Limestone	Not Available	Not Available
Silica Amorphous	3,000 mg/m3	Not Available
Silica Amorphous	Silica gel, amorphous synthetic	18 mg/m3

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.

Engineering Measures:..... 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.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

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.

Personal protective equipment:



- Safety glasses with side shields
- Chemical goggles.
- 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. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience.

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- Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber.
- Overalls.
- P.V.C. apron.
- Barrier cream.

Hygiene measures:.....Keep away from food, drink and animal feeding stuffs. 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.

Respiratory protection

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent).

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS	-	A-PAPR-AUS / Class 1
up to 50 x ES	-	A-AUS / Class 1	-
up to 100 x ES	-	A-2	A-PAPR-2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds (below 65°C).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odourless Paste, not miscible in water.

Physical State: Thixotropic paste.

Colour: Grey.



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Odour:..... Solvent.
Boiling Point:..... >150°C.
Flash Point:..... >150°C
Flammability Limits: Not Applicable.
pH:..... Not Available.
Specific Gravity (20oC): 1.61.
Solubility in Water: Not Available.
Total VOC (g/Litre): Not Available.

10. STABILITY AND REACTIVITY

Chemical Stability: This material is thermally stable when stored and used as directed.
Conditions to avoid: Elevated temperatures and sources of ignition.
Materials to avoid:..... Oxidising agents.
Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous reactions:..... No known hazardous reactions.
Hazardous reactions:..... No known hazardous reactions.

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:

Acute Effects

Inhalation: The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Skin contact: The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

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- Ingestion:** The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health).
- Eye contact:** Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Acute Toxicity

Not Available.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity:..... No information available.

Persistence and degradability:..... No information available.

Bioaccumulative potential:..... No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

- 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.

14. TRANSPORT INFORMATION

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.

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15. REGULATORY INFORMATION

LIMESTONE(1317-65-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Appendix E (Part 2)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Appendix F (Part 3)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Schedule 5

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Schedule 6

SILICA AMORPHOUS(7631-86-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Schedule 4

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

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.waterproofingproductsaustralia.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. Waterproofing Products Australia makes no representation as to the completeness and accuracy of the data contained in this data sheet. 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	
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Author	FM

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