

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name PAVE MATE
Supplier Name Cockburn Cement A.B.N. 50.008.673.470
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Synonym(s) Pave mate, pave set, stabilised jointing sand, paving sand.

Use(s) Paving; Stabilised joint filling sand containing water plasticising acrylic stabiliser.

2. HAZARDS IDENTIFICATION

This product is classified as hazardous according to Safe Work Australia criteria.
Not classified as a dangerous good by the criteria of the ADG code, IMDG or IATA.

GHS Classifications

Skin Corrosion/Irritation: Category 2
Serious Eye Damage / Eye Irritation: Category 1
Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2

SIGNAL WORD
Pictograms**WARNING****Hazard statements**

H319 Causes eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to lungs and respiratory tract through prolonged or repeated exposure.

Prevention statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response statements

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Disposal statements

P501 Dispose of contents/container in accordance with relevant regulations.

UN No	None Allocated	Hazchem Code	None Allocated	Pkg Group	None Allocated
DG Class	None Allocated	Subsidiary Risk(s)	None Allocated	EPG	None Allocated



3. COMPOSITION/INFORMATION ON INGREDIENTS

Being a sand based product there is a risk that the 'Respirable Crystalline Quartz' (RCQ) content may be hazardous to human health. While the product is wet and being applied the amount of airborne RCQ will be reduced but it is strongly advised that proper PPE is worn to minimize the possibility of inhalation. Once dry any residues, grinding or strong abrasive forces on the finished product may reintroduce RCQ into the air so caution should be taken.

Ingredient	Formula	Conc.	CAS No.
CRYSTALLINE SILICA (QUARTZ)	SiO ₂	<95%	14808-60-7
ADDITIVES	Not Available	<5%	-

4. FIRST AID MEASURES

Eye	Flush thoroughly with flowing water for at least 15 minutes. Seek medical attention if symptoms persist.
Inhalation	Remove from dusty area to fresh air. If symptoms persist, seek medical attention.
Skin	Wash off skin thoroughly with water. A shower may be required.
Ingestion	Rinse mouth and lips with water. Do not induce vomiting. Give water to drink to dilute stomach contents. If symptoms persist, seek medical attention.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Eye wash station.

Additional Information - Aggravated Medical Conditions

Inhalation	Over exposure resulting from prolonged and repeated inhalation of dust containing crystalline silica can cause bronchitis, silicosis (scarring of the lung.) It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer. Epidemiological studies have shown that smoking increases the risk of bronchitis, silicosis (scarring of the lung) and lung cancer in persons exposed to crystalline silica.
Skin	Prolonged and repeated skin contact may cause abrasions.

5. FIRE FIGHTING

Flammability	Non flammable. Does not support combustion of other materials.
Fire and Explosion	No fire or explosion hazard exists.
Extinguishing	Non flammable; use suitable extinguishing agent for surrounding fire.
Hazchem Code	None.

6. ACCIDENTAL RELEASE MEASURES

Spillage	Wear dust-proof goggles, PVC/rubber gloves, a Class P2 respirator (where an inhalation risk exists), coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal or reuse. Avoid generating dust.
Emergency Procedures	Follow safety requirements for personal protection under Section 8 Exposure Controls/Personal Protection.



7. HANDLING AND STORAGE

Storage	Store off the floor in the original bags in a cool, dry, well ventilated area, removed from excessive moisture and heat. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.
Handling	PaveMate is supplied in 20 kg bags. Recognised local safe lifting methods should be used. Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
Property/	Refer to Section 13.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Do not inhale dust/powder. Use with adequate ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.
Exposure Standards	SILICA, CRYSTALLINE – QUARTZ (14808-60-7) ES-TWA: 0.1 mg/m ³ (Respirable Dust)
PPE	Wear dust-proof goggles and rubber or PVC gloves. Where an inhalation risk exists, wear a Class P2 respirator. If there is potential for prolonged and/or excessive skin contact, wear coveralls. At high dust levels, wear a Class P3 respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 filter.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A sand mixture containing finely ground materials	Solubility (water)	Slight, partially hardens on mixing with water
Odour	Odourless	Specific Gravity	Average Approx. 2.7
pH	Approximately 12	% Volatiles	Not Available
Vapour Pressure	Not Available	Flammability	Non Flammable
Vapour Density	Not Available	Flash Point	Not Relevant
Boiling Point/Melting Point	Not Available	Upper Explosion Limit	Not Relevant
Evaporation Rate	Not Available	Lower Explosion Limit	Not Relevant
Bulk Density	Dry 1500 to 1700 kg/m ³	Autoignition	Not Available
Particle Size	Up to 5 mm		

10. STABILITY AND REACTIVITY

Chemical Stability	Chemically Stable
Conditions to Avoid	Keep free of moisture



Incompatible Materials	Incompatible with oxidising agents (eg hypochlorites), ethanol, acids (eg hydrofluoric acid) and interhalogens (eg chlorine trifluoride). Water contact may increase product
Decomposition Products	Unlikely to evolve toxic gases when heated to decomposition.
Hazardous Reactions	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	High chronic toxicity. Associated with prolonged exposure to high dust levels.
Eye	Irritant upon contact with dust. Over exposure may result irritation and lacrimation.
Inhalation	Long term exposure can lead to irritation in the nose and throat. Prolonged and repeated inhalation of respirable silica may result in silicosis.
Skin	Irritating to the skin. Prolonged and repeated contact may result in skin rash, abrasions and dermatitis.
Ingestion	This product is biologically inert. However, ingestion may result in gastrointestinal irritation due to the dusts mechanical action.
Mutagenicity	Insufficient data available for this product to classify as a mutagen.
Carcinogenicity	PaveMate is not classified as a carcinogen by NOHSC. Crystalline silica is classified as carcinogenic to humans (IARC Group 1), however due to low levels present and product application, the criteria for classification is not met.

12. ECOLOGICAL INFORMATION

Environment	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal	Reuse or recycle where possible. Alternatively, ensure product is dampened to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer for additional information.
Legislation	Dispose of in accordance with relevant local legislation. Keep out of sewer and stormwater drains.

14. TRANSPORT INFORMATION

Not classified as a dangerous good by the criteria of the ADG Code.

Drivers of trucks transporting bagged product should ensure that the bags are properly restrained.

Shipping Name	None Allocated	Hazchem Code	None Allocated	Pkg Group	None Allocated
UN No	None Allocated	Subsidiary Risk(s)	None Allocated	EPG	None Allocated
DG Class	None Allocated				



15. REGULATORY INFORMATION

Poison Schedule AICS A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Additional Information

IARC – GROUP 1 – PROVEN HUMAN CARCINOGEN. This product contains an ingredient for which there is sufficient evidence to have been classified by the International Agency for Research into Cancer as a human carcinogen. The use of products known to be human carcinogens should be strictly monitored and controlled.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The Recommendation for protective equipment contained within this SDS report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare an SDS report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

ES-TWA - Exposure Standard - Time Weighted Average

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service Number - used to uniquely identify chemical compounds.

IARC - International Agency for Research on Cancer.

Report Status

This document has been compiled by Cockburn Cement Limited the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ("SDS").

While Cockburn Cement Limited has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Cockburn Cement Limited accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Contact Point

For further information on this product contact:

Telephone: Office hours 08 9411 1000
After hours 08 9411 1000
Facsimile: 08 9411 1150
Web site: <http://www.cockburncement.com.au>

**Advice Note**

The information in this document is believed to be accurate. Please check the currency of this SDS by contacting:

08 9411 1000

or

<http://www.cockburncement.com.au> or www.swancement.com.au

The provision of this information should not be construed as a recommendation to use this product in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Users should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.