

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** **PAVE MATE**  
**Supplier Name** **COCKBURN CEMENT LIMITED** ABN 50 008 673 470  
**Address** PO Box 38, Hamilton Hill, WA 6963  
**Manufacturing Plant** Kwinana Works, Leath Road, Kwinana WA 6167  
**Telephone** 08 9411 1111  
**Emergency** Bus Hrs 08 9411 1111  
**Email** orders@cockburncement.com.au  
**Web Site** [www.cockburncement.com.au](http://www.cockburncement.com.au) & [www.swacement.com.au](http://www.swacement.com.au)

**Synonym(s)** Pave set, stabilised joint sand, paving sand.  
**Use(s)** Gap filling or paving, e.g. roadways, areas of heavy traffic movement, high wind areas, areas where sand-cement joints would stain the paver.

### 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**

**WARNING**

**Pictograms**



**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.  
 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.

<b>UN No</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>Pkg Group</b>	None Allocated
<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	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 <sub>2</sub>	< 95%	14808-60-7
ADDITIVES	Not Available	< 5%	-

\*Aggregates used may be siliceous.

#### 4. FIRST AID MEASURES

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

#### Additional Information - Aggravated Medical Conditions

<b>Inhalation</b>	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.
<b>Skin</b>	Prolonged and repeated skin contact may cause abrasions.

#### 5. FIRE FIGHTING

<b>Flammability</b>	Non-flammable. Does not support combustion of other materials.
<b>Fire and Explosion</b>	No fire or explosion hazard exists.
<b>Extinguishing</b>	Non-flammable; use suitable extinguishing agent for surrounding fire.
<b>Hazchem Code</b>	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** Pave Mate is supplied in 20 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/ Environmental** 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: 0.05 mg/m<sup>3</sup> (Respirable Dust).  
 Under Model WHS Law adopted in most Australian jurisdictions.

**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

<b>Appearance</b>	Sand	<b>Solubility (water)</b>	Slight, partially hardens on mixing with water
<b>Odour</b>	Odourless	<b>Specific Gravity</b>	Average Approx 2.7
<b>pH</b>	Approximately 12	<b>% Volatiles</b>	Not Available
<b>Vapour Pressure</b>	Not Available	<b>Flammability</b>	Non Flammable
<b>Vapour Density</b>	Not Available	<b>Flash Point</b>	Not Relevant
<b>Boiling Point</b>	Not Available	<b>Upper Explosion Limit</b>	Not Relevant
<b>Melting Point</b>	Not Available	<b>Lower Explosion Limit</b>	Not Relevant
<b>Evaporation Rate</b>	Not Available	<b>Autoignition Temperature</b>	Not Available
<b>Bulk Density</b>	Dry 1500 to 1700 kg/m <sup>3</sup>		
<b>Particle Size</b>	Up to nominal 5 mm		

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Chemically Stable
<b>Conditions to Avoid</b>	Keep free of moisture
<b>Incompatible</b>	Incompatible with oxidising agents (e.g. hypochlorites), ethanol, acids (e.g. hydrofluoric acid).
<b>Materials</b>	and interhalogens (e.g. chlorine trifluoride). Water contact may increase product.
<b>Decomposition Products</b>	Unlikely to evolve toxic gases when heated to decomposition.
<b>Hazardous Reactions</b>	None

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	High chronic toxicity. Associated with prolonged exposure to high dust levels.
<b>Eye</b>	Irritant upon contact with dust. Over exposure may result irritation and lacrimation.
<b>Inhalation</b>	Long term exposure can lead to irritation in the nose and throat. Prolonged and repeated inhalation of respirable silica may result in silicosis.
<b>Skin</b>	Irritating to the skin. Prolonged and repeated contact may result in skin rash, abrasions, and dermatitis.
<b>Ingestion</b>	This product is biologically inert. However, ingestion may result in gastrointestinal irritation due to the dusts mechanical action.
<b>Mutagenicity</b>	Insufficient data available for this product to classify as a mutagen.
<b>Carcinogenicity</b>	Pave Mate 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

<b>Environment</b>	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

<b>Waste Disposal</b>	Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer for additional information.
<b>Legislation</b>	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.

### IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

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

## 15. REGULATORY INFORMATION

<b>Poison Schedule AICS</b>	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).
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## 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/m<sup>3</sup> – Milligrams per cubic metre  
ppm – Parts Per Million  
ES-TWA – Exposure Standard - Time Weighted Average  
CNS – Central Nervous System  
NOS – Not Otherwise Specified  
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.

While the information in this Safety Data Sheet has been prepared in good faith, Cockburn Cement Limited does not warrant that the information is accurate, complete, or up to date.

**Contact Point**

For further information on this product contact:

Telephone: Office hours 08 9411 1111

Web site: [www.cockburncement.com.au](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 1111 or [www.cockburncement.com.au](http://www.cockburncement.com.au) or [www.swancement.com.au](http://www.swancement.com.au)

Each user of any information, or any product referred to, in this Safety Data Sheet must:

- Determine whether the information or product is suitable for their purpose;
- Assess and control any risks associated with the information or product; and
- Obtain professional advice in relation to the use of the information or product.

To the extent permitted by law, Cockburn Cement Limited:

- Excludes all representations, warranties, and guarantees in relation to any information in this Safety Data Sheet; and
- Will not be liable for any direct, indirect, consequential, incidental, special or economic loss (including but not limited to any loss of actual or anticipated profits, revenue, savings, production, business, opportunity, access to markets, goodwill, reputation, publicity, or use) arising from any use of or reliance on any information in this Safety Data Sheet.