

**DRY MIXED CONCRETE PACKS****1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name** DRY MIXED CONCRETE PACKS  
**Supplier Name** Cockburn Cement A.B.N. 50.008.673.470  
**Address** PO Box 38, Hamilton Hill, WA 6963  
**Manufacturing Plant** Kwinana Works, Leath Road, Kwinana, WA 6167  
**Telephone** 08 9411 1000  
**Fax** 08 9411 1150  
**Emergency** Bus Hrs 08 9411 1000 A/Hrs 08 9411 1000  
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**Web Site** <http://www.cockburncement.com.au> & [www.swancement.com.au](http://www.swancement.com.au)

**Synonym(s)** General Purpose Concrete.

**Use(s)** Concrete paths, mowing strips, borders, stepping-stones, light foundations, footings, slabs and lintels.

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

**SIGNAL WORD****DANGER****Pictograms****Hazard statements**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
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.

<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



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

A small proportion of the fine dust associated with this product will contain 'Respirable Crystalline Quartz' (RCQ). While the product is wet and being applied as per the directions on the package the amount of airborne RCQ will be minimal but it is still recommended that proper PPE is worn. Once dry any residues, grinding or strong abrasive forces may reintroduce RCQ into the air so caution should be taken.

Ingredient	Formula	Conc.	CAS No.
PORTLAND CEMENT	Not Available	Up to 25%	65997-15-1
GYPSUM	CaSO <sub>4</sub> 2H <sub>2</sub> O	2 - 4%	10101-41-4
CRYSTALLINE SILICA (QUARTZ)	SiO <sub>2</sub>	Up to 50%	14808-60-7
CHROMIUM (VI) HEXAVALENT	Cr <sup>6+</sup>	Trace	18540-29-9

\*Aggregates used may be siliceous and/or dolomitic stone.

### 4. FIRST AID MEASURES

**Eye** Flush thoroughly with flowing water for at least 15 minutes and seek medical attention if symptoms persist. If wet cement is splashed into the eyes flush thoroughly with flowing water for 15 minutes and seek urgent medical attention.

**Inhalation** Remove from dusty area to fresh air. If symptoms persist, seek medical attention.

**Skin** Remove heavily contaminated clothing immediately. Wash off skin thoroughly with water. A shower may be required. Seek medical attention for persistent irritation or burning of the skin

**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 with cement in wet concrete, mortars and slurries may result in irritant dermatitis.

**Eye** Irritating to the eye. If wet cement is splashed into the eye alkaline burns can cause permanent damage.

### 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.



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### 6. ACCIDENTAL RELEASE MEASURES

<b>Spillage</b>	If spilt (bulk), contact emergency services if appropriate. 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.
<b>Emergency</b>	Follow safety requirements for personal protection under Section 8 Exposure Controls/Personal Protection.
<b>Procedures</b>	

### 7. HANDLING AND STORAGE

<b>Storage</b>	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.
<b>Handling</b>	Dry Mixed Concrete Packs are supplied in 20 and 30 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.
<b>Property/ Environmental</b>	Refer to Section 13.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ventilation</b>	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.
<b>Exposure Standards</b>	CHROMIUM (VI) HEXAVALENT (18540-29-9) ES-TWA: 0.05 mg/m <sup>3</sup> (Chromium VI compounds) FLYASH (68131-74-8) ES-TWA: 10 mg/m <sup>3</sup> (Respirable Dust) GYPSUM (10101-41-4) ES-TWA: 10 mg/m <sup>3</sup> (Respirable Dust) PORTLAND CEMENT (65997-15-1) ES-TWA: 10 mg/m <sup>3</sup> (Respirable Dust) SILICA, CRYSTALLINE – QUARTZ (14808-60-7) ES-TWA: 0.1 mg/m <sup>3</sup> (Respirable Dust)
<b>PPE</b>	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.





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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	A grey mixture containing finely ground materials and fine and coarse aggregate particles up to 10 mm nominal size.	<b>Solubility (water)</b>	Slight, 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>BoilingPoint/Melting Point</b>	Not Available	<b>Upper Explosion Limit</b>	Not Relevant
<b>Evaporation Rate</b>	Not Relevant	<b>Lower Explosion Limit</b>	Not Relevant
<b>Bulk Density</b>	Dry powder 1500 to 1700 kg/m <sup>3</sup> Compacted (cast) 2250 – 2400 kg/m <sup>3</sup>	<b>Autoignition</b>	Not Available
<b>Particle Size</b>	Up to nominal 10 mm		

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Chemically Stable
<b>Conditions to Avoid</b>	Keep free of moisture
<b>Incompatible Materials</b>	Incompatible with oxidising agents (eg hypochlorites), ethanol, acids (eg hydrofluoric acid) and interhalogens (eg 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

### 10. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	No known toxicity data available for this product.
<b>Eye</b>	Irritant upon contact with powder/dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage.
<b>Inhalation</b>	Slightly corrosive. Irritating to the respiratory system, causing coughing and sneezing. Over exposure may result in severe mucous membrane irritation and bronchitis. Hexavalent chromium is reported to cause respiratory sensitisation, however due to the trace amount present, a hazard is not anticipated under normal conditions of use. Crystalline silica can cause silicosis (lung disease) with chronic over exposure, however due to low levels present and product application, adverse health effects are not anticipated.
<b>Skin</b>	Irritating to the skin. Prolonged and repeated contact with powder or wetted form may result in skin rash, dermatitis and sensitisation.
<b>Ingestion</b>	Slightly corrosive. Ingestion may result in burns to the mouth and throat, with vomiting and abdominal pain. Due to product form, ingestion is not considered a likely exposure route.
<b>Mutagenicity</b>	Insufficient data available for this product to classify as a mutagen.



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**Carcinogenicity** Dry Mixed Concrete Packs are not classified as a carcinogen by NOHSC. Crystalline silica and hexavalent chromium compounds are 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.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** 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.

**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.

<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

**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** CEMENT CONTACT DERMATITIS: Individuals using wet cement, mortar, grout or concrete could be at risk of developing cement dermatitis. Symptoms of exposure include itchy, tender, swollen, hot, cracked or blistering skin with the potential for sensitisation. The dermatitis is due to the presence of soluble (hexavalent) chromium.

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.

