1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<table>
<thead>
<tr>
<th>Product Name</th>
<th>DRY MIXED MORTAR PACKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier Name</td>
<td>Cockburn Cement</td>
</tr>
<tr>
<td>A.B.N.</td>
<td>50.008.673.470</td>
</tr>
<tr>
<td>Address</td>
<td>PO Box 38, Hamilton Hill, WA 6963</td>
</tr>
<tr>
<td>Manufacturing Plant</td>
<td>Kwinana Works, Leath Road, Kwinana, WA 6167</td>
</tr>
<tr>
<td>Telephone</td>
<td>08 9411 1000</td>
</tr>
<tr>
<td>Fax</td>
<td>08 9411 1150</td>
</tr>
<tr>
<td>Emergency Bus Hrs</td>
<td>08 9411 1000 A/Hrs 08 9411 1000</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:orders@cockburncement.com.au">orders@cockburncement.com.au</a></td>
</tr>
</tbody>
</table>


Use(s): AS3700 Class M3 mortar for bricklaying and rendering applications.

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.

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>Conc.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTLAND CEMENT</td>
<td>Not Available</td>
<td>10 - 15%</td>
<td>65997-15-1</td>
</tr>
<tr>
<td>HYDRATED LIME</td>
<td>Ca(OH)₂</td>
<td>&lt; 10%</td>
<td>1305-62-0</td>
</tr>
<tr>
<td>CRYSTALLINE SILICA (QUARTZ)</td>
<td>SiO₂</td>
<td>&lt; 80%</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>GYPSUM</td>
<td>CaSO₄ 2H₂O</td>
<td>1 - 4%</td>
<td>10101-41-4</td>
</tr>
<tr>
<td>CHROMIUM (VI) HEXAVALENT</td>
<td>Cr⁶⁺</td>
<td>Trace</td>
<td>18540-29-9</td>
</tr>
</tbody>
</table>

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.
6. ACCIDENTAL RELEASE MEASURES

Spillage
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.

Emergency Procedures
Follow safety requirements for personal protection under Section 8 Exposure Controls/Personal Protection.

7. HANDLING AND STORAGE

Storage
Store 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
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
CALCIUM HYDROXIDE (1305-62-0)
ES-TWA: 5 mg/m$^3$ (Respirable Dust)
CHROMIUM (VI) HEXAVALENT(18540-29-9)
ES-TWA: 0.05 mg/m$^3$ (Chromium VI compounds)
GYPSUM (10101-41-4)
ES-TWA: 10 mg/m$^3$ (Respirable Dust)
PORTLAND CEMENT (65997-15-1)
ES-TWA: 10 mg/m$^3$ (Respirable Dust)
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

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Solubility (water)</th>
<th>Specific Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>A grey mixture containing finely ground materials and fine aggregate.</td>
<td>Slight, hardens on mixing with water</td>
<td>Average Approx. 2.7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour</th>
<th>pH</th>
<th>Volatiles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odourless</td>
<td>Approximately 12</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
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.

Decomposition Products
Unlikely to evolve toxic gases when heated to decomposition.

Hazardous Reactions
None

10. TOXICOLOGICAL INFORMATION

Acute Toxicity
No known toxicity data available for this product.

Eye
Irritant upon contact with powder/dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage.

Inhalation
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.

Skin
Irritating to the skin. Prolonged and repeated contact with powder or wetted form may result in skin rash, dermatitis and sensitisation.

Ingestion
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.

Mutagenicity
Insufficient data available for this product to classify as a mutagen.

Carcinogenicity
Dry Mixed Mortar 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.

15. REGULATORY INFORMATION

Poison
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).

Schedule
All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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.

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

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

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.