1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier
Product name: CASTING PLASTER / CRAKFILLA
Synonym(s): CASTING PLASTER • PLASTER

1.2 Uses and uses advised against
Use(s): CASTING AGENT • PLASTER • RENDERING AID • SPRAY APPLICATIONS

1.3 Details of the supplier of the product
Supplier name: BORAL CONSTRUCTION MATERIALS LTD.
Address: Level 3, 40 Mount Street, Nth Sydney, NSW, 2060, AUSTRALIA
Telephone: (02) 9220 6300
Email: sds@rmt.com.au
Website: http://www.boral.com.au

1.4 Emergency telephone number(s)
Emergency: 1800 555 477 (8am – 5pm WST)
Emergency (A/H): 13 11 26 (Poisons Information Centre)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 Label elements
No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards
No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM HYDROXIDE</td>
<td>1305-62-0</td>
<td>215-137-3</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>CALCIUM SULPHATE HEMIHYDRATE</td>
<td>10034-76-1</td>
<td>600-067-1</td>
<td>&gt;98%</td>
</tr>
<tr>
<td>HYDROXYPROPYL METHYLCELLULOSE</td>
<td>9004-65-3</td>
<td>618-389-6</td>
<td>&lt;2%</td>
</tr>
<tr>
<td>CALCIUM SULPHATE DIHYDRATE</td>
<td>10101-41-4</td>
<td>600-148-1</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>KERATIN RETARDER</td>
<td>-</td>
<td>-</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

Ingredient Notes: The crystalline silica (quartz) content (if any) of this product is less than 0.1%.

4. FIRST AID MEASURES

4.1 Description of first aid measures
Eye: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
4.2 Most important symptoms and effects, both acute and delayed
This product is generally considered to be of low toxicity, however over exposure to dust should be avoided.

4.3 Immediate medical attention and special treatment needed
Drinking glycerin, gelatin solutions, or large volumes of water may delay the hardening of this product in the stomach. Surgical relief of obstruction, particularly at the phlorus, may be required.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media
Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture
Non flammable. May evolve toxic gases (sulphur oxides) when heated to decomposition.

5.3 Advice for firefighters
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code
None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

6.3 Methods of cleaning up
Moisten with water to prevent a dust hazard and place in sealable containers for disposal.

6.4 Reference to other sections
See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are tightly sealed, adequately labelled and protected from physical damage.

7.3 Specific end use(s)
No information provided.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>TWA ppm</th>
<th>TWA mg/m³</th>
<th>STEL ppm</th>
<th>STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium hydroxide</td>
<td>SWA (AUS)</td>
<td>--</td>
<td>5</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Biological limits
No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls
Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PPE

- **Eye / Face**: Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes.
- **Hands**: Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.
- **Body**: Wear long sleeved shirt and full-length trousers.
- **Respiratory**: Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site specific risk assessment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- **Appearance**: OFF-WHITE POWDER
- **Odour**: SLIGHT PLASTER ODOUR
- **Flammability**: NON FLAMMABLE
- **Flash point**: NOT RELEVANT
- **Boiling point**: NOT AVAILABLE
- **Melting point**: 1450°C (Calcium sulphate hemihydrate)
- **Evaporation rate**: NOT AVAILABLE
- **pH**: 7.5 to 8.5
- **Vapour density**: NOT AVAILABLE
- **Specific gravity**: 2.4 (Approximately)
- **Solubility (water)**: INSOLUBLE
- **Vapour pressure**: NOT AVAILABLE
- **Upper explosion limit**: NOT RELEVANT
- **Lower explosion limit**: NOT RELEVANT
- **Partition coefficient**: NOT AVAILABLE
- **Autoignition temperature**: NOT AVAILABLE
- **Decomposition temperature**: NOT AVAILABLE
- **Viscosity**: NOT AVAILABLE
- **Explosive properties**: NOT AVAILABLE
- **Oxidising properties**: NOT AVAILABLE
- **Odour threshold**: NOT AVAILABLE

9.2 Other information

- **% Volatiles**: NOT AVAILABLE

10. STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information provided in sections 10.2 to 10.6.
10.2 Chemical stability
Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions
Polymerization will not occur.

10.4 Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Incompatible with aluminium (when heated), diazomethane, phosphorus (at high temperatures) and oxidising agents.

10.6 Hazardous decomposition products
May evolve toxic gases (sulphur oxides) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>This product is generally considered to be of low toxicity, however over exposure to dust should be avoided.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Not classified as a skin irritant. Contact may result in mechanical irritation, redness and rash.</td>
</tr>
<tr>
<td>Eye</td>
<td>Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>This product is not known to be a skin or respiratory sensitisier.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>Insufficient data available to classify as a mutagen.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Insufficient data available to classify as a carcinogen.</td>
</tr>
<tr>
<td>Reproductive</td>
<td>Insufficient data available to classify as a reproductive toxin.</td>
</tr>
<tr>
<td>STOT – single</td>
<td>Not classified as causing organ effects from single exposure.</td>
</tr>
<tr>
<td>exposure</td>
<td></td>
</tr>
<tr>
<td>STOT – repeated</td>
<td>Not classified as causing organ effects from repeated exposure.</td>
</tr>
<tr>
<td>exposure</td>
<td></td>
</tr>
<tr>
<td>Aspiration</td>
<td>Not relevant.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

12.1 Toxicity
The main component/s of this product are not anticipated to cause any adverse effects to the environment.

12.2 Persistence and degradability
Product is persistent and would have a low degradability.

12.3 Bioaccumulative potential
This product is not expected to bioaccumulate.

12.4 Mobility in soil
A low mobility would be expected in a landfill situation.

12.5 Other adverse effects
Avoid contamination of drains and waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Waste disposal</th>
<th>Reuse where possible. No special precautions are normally required when handling this product.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legislation</td>
<td>Dispose of in accordance with relevant local legislation.</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA
14.4 Packing Group | None Allocated | None Allocated | None Allocated

14.5 Environmental hazards | No information provided

14.6 Special precautions for user

Hazchem code | None Allocated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes

None allocated.

Risk phrases

None allocated.

Safety phrases

None allocated.

Inventory listing(s)

AUSTRALIA: AICS (Australian Inventory of Chemical Substances)

All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this 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 a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ("SDS").

The information presented herein is based on data considered to be accurate as of the date of preparation of this SDS. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorisation given or implied to practice any patented invention without a licence. In addition, no responsibility can be assume by the vendor for any damage or injury resulting from abnormal use, without a risk assessment for safe use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the products.

This Safety Data Sheet (SDS) applies only to the formulated material as supplied by Boral Cement. It does not apply where the formulation has been altered. In this case a new SDS may be required to reflect the modified material. Contact Boral Cement for further information.

Printed documents are uncontrolled. Refer to www.boral.com.au regularly for a more recent copy of the SDS where it exists.

Prepared by

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