1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name: CASTING PLASTER / CRAKFILLA

1.2 Uses and uses advised against

Uses: CASTING AGENT ● PLASTER ● RENDERING AID ● SPRAY APPLICATIONS

1.3 Details of the supplier of the product

Supplier name: BORAL AUSTRALIA
Address: Level 18, 15 Blue Street, North Sydney, NSW, 2060, AUSTRALIA
Telephone: (02) 9220 6300
Website: http://www.boral.com.au

1.4 Emergency telephone numbers

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 GHS 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>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Remainder</td>
</tr>
<tr>
<td>CALCIUM HYDROXIDE</td>
<td>1305-62-0</td>
<td>215-137-3</td>
<td>&lt;1%</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.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion
For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities
Eye wash facilities should be available.

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 uses
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>
<tr>
<td>Calcium hydroxide</td>
<td>SWA [Proposed]</td>
<td>--</td>
<td>1</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Calcium sulphate</td>
<td>SWA [Proposed]</td>
<td>--</td>
<td>1.5</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Calcium sulphate (a)</td>
<td>SWA [AUS]</td>
<td>--</td>
<td>10</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.

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 ODOR
- **Flammability**: NON FLAMMABLE
- **Flash point**: NOT RELEVANT
- **Boiling point**: NOT AVAILABLE
- **Melting point**: 1450°C (Calcium sulphate dihydrate)
- **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

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
Acute toxicity
This product is generally considered to be of low toxicity, however over exposure to dust should be avoided.

Information available for the ingredients:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM HYDROXIDE</td>
<td>7300 mg/kg (mouse)</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>HYDROXYPROPYL METHYLCELLULOSE</td>
<td>10000 mg/kg (mammal)</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>CALCIUM SULPHATE DIHYDRATE</td>
<td>3000 mg/kg (rat)</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Skin
Not classified as a skin irritant. Contact may result in mechanical irritation, redness and rash.

Eye
Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.

Sensitisation
Not classified as causing skin or respiratory sensitisation.

Mutagenicity
Insufficient data available to classify as a mutagen.

Carcinogenicity
Insufficient data available to classify as a carcinogen.

Reproductive
Insufficient data available to classify as a reproductive toxin.

STOT - single exposure
Not classified as causing organ damage from single exposure.

STOT - repeated exposure
Not classified as causing organ damage from repeated exposure.

Aspiration
Not relevant.

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
Waste disposal
Reuse or recylce where possible. Alternatively, dispose of to appropriately licensed landfill facility. Contact the manufacturer/supplier for additional information (if required).
14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

<table>
<thead>
<tr>
<th></th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG / IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
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<tbody>
<tr>
<td>14.1 UN Number</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
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<tr>
<td>14.2 Proper Shipping Name</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
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<td>14.3 Transport hazard class</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
<tr>
<td>14.4 Packing Group</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards
Not a Marine Pollutant.

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.

Inventory listings
AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)
All components are listed on AIIC, 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 form of product, 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: form of product; 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 report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
CASTING PLASTER / CRAKFILLA

Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
CAS #: Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS: Central Nervous System
EC No.: EC No - European Community Number
EMS: Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS: Globally Harmonized System
GTEPG: Group Text Emergency Procedure Guide
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration, 50% / Median Lethal Concentration
LD50: Lethal Dose, 50% / Median Lethal Dose
mg/m³: Milligrams per Cubic Metre
OEL: Occupational Exposure Limit
pH: relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm: Parts Per Million
STEL: Short-Term Exposure Limit
STOT-RE: Specific target organ toxicity (repeated exposure)
STOT-SE: Specific target organ toxicity (single exposure)
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
SWA: Safe Work Australia
TLV: Threshold Limit Value
TWA: Time Weighted Average

Revision history

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>05/06/2020</td>
<td>Composition Update</td>
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<tr>
<td>3.0</td>
<td>03/01/2020</td>
<td>Scheduled Update</td>
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<tr>
<td>2.0</td>
<td>Jan 2015</td>
<td>Conversion to GHS</td>
</tr>
<tr>
<td>1.0</td>
<td>Jan 2015</td>
<td>Initial SDS Creation</td>
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</table>

Team Member | Review Role
-------------|----------------
WHS Advisor, QLD Office | Safety
Environmental Sustainability Manager, Cement | Environment & Community
National Compliance Officer, Heavy Vehicles, Logistics | Transport & Dangerous Goods
Manager- Technical Services ( NSW/ACT), Boral Construction Materials | Quality
National Health & Hygiene Manager | Health & Hygiene
National Manager- Cement, Boral Quarries | Product Custodian

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").

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT 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, RMT 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.

Prepared by
Risk Management Technologies
5 Ventnor Ave, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Email: info@rmt.com.au
Web: www.rmtglobal.com

[ End of SDS ]