1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier:
Name: Non Ferrous Foundry Plaster
Reach Registration No.: Exempted in accordance with Annex V.7.
Synonyms: Foundry Plaster
Trade names: Alcast

1.2 Relevant identified uses of the substance
Main applications: Used as a mould material for non-ferrous casting applications
– non exhaustive list

1.3 Details of the supplier of the safety data sheet
Company name: Hобen International Limited
Address: Manystones Lane
Brassington
MATLOCK
Derbyshire
DE4 4HF
United Kingdom
Phone No.: +44 (0) 1629 540201
Fax No.: +44 (0) 1629 540605
Email: sales@hobeninternational.com

1.4 Emergency telephone number
Telephone number: +44 (0) 1629 540201
Available outside of office hours? No

2. HAZARD IDENTIFICATION

2.1 Classification of the substance
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]
Not Classified

2.2 Label elements
Hazard pictogram: Not Applicable
Signal word: Not Applicable
Hazard statement: Not Applicable
Precautionary statements: Not Applicable

2.3 Other hazards
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main constituents
Name | Amount | CAS No | EINECS
--- | --- | --- | ---
Calcium Sulphate Hemihydrate | 50-70% | 26499-65-0 | 231-900-3
Diatomite | 15 - 25% | 91053-39-3 | 293-303-4
Wollastonite | <10% | 13983-17-0 | 237-772-5
Sand | <5.0% | 14808-60-7 | 238-878-4
Gypsum | <5.0% | 7778-18-9 | 231-900-3
White Cement | <1.0% | 65997-15-1 | 266-043-4
3.2 Impurities
Controlling additives which are not hazardous at the level of addition.

4. FIRST AID MEASURES
4.1 Description of first aid measures
Eye Contact: P305 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Inhalation: P304 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.
Ingestion: P301- If swallowed, do not induce vomiting, seek medical advice immediately and show this document.
Skin Contact: P302 – After contact with skin, wash immediately with plenty of soap and water.

4.2 Most important symptoms and effects, both acute and delayed
No acute and delayed symptoms and effects are observed.

4.3 Indication of any immediate medical attention and special treatment needed
No specific actions are required.

5. FIRE FIGHTING MEASURES
5.1 Extinguishing media:
All types of extinguishing media are suitable
5.2 Special hazards arising from the substance or mixture:
Non combustible. However some packaging materials will burn.
5.3 Advice for Firefighters:
No specific fire fighting protection is required.

6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures:
Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.
6.2 Environmental precautions
No special requirements.
6.3 Methods and material for containment and cleaning up
Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.
6.4 Reference for other sections
See sections 8 and 13.

7. HANDLING AND STORAGE
7.1 Precautions for safe handling
Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques please contact your supplier or check the Good Practise Guide referred to in section 16.
Do not eat or drink in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.
7.2 Conditions for safe storage, including any incompatibilities
Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3 Specific end uses
If you require advice on specific uses please contact your supplier or check the Good Practice Guide referred to in section 16.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust)

The Workplace exposure limit (WEL), for the below materials applies to the UK. For the equivalent limits in other countries consult your local regulatory authority.

Workplace Exposure Limit

<table>
<thead>
<tr>
<th>Substance</th>
<th>Total inhalable</th>
<th>Respirable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Sulphate Hemihydrate</td>
<td>10mg/m³ 8hr TWA</td>
<td>4mg/m³ 8hr TWA</td>
</tr>
<tr>
<td>Diatomite</td>
<td>1.2mg/m³ 8hr TWA</td>
<td>0.1mg/m³ 8hr TWA</td>
</tr>
<tr>
<td>Wollastonite</td>
<td>10mg/m³ 8hr TWA</td>
<td>4mg/m³ 8hr TWA</td>
</tr>
<tr>
<td>White Cement</td>
<td>10mg/m³ 8hr TWA</td>
<td>4mg/m³ 8hr TWA</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering control methods to keep airborne levels below the specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personal from dusty areas. Wash hands before breaks and at the end of the day. Remove and wash soiled clothing

8.2.2 Individual protection measures such as personal protective equipment

a) Eye protection Safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate standards.

b) Skin protection No specific requirement. For hands see below.

c) Hand protection Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

d) Respiratory protection In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment (e.g., dust mask, respirator, powered air respirator) that complies with the requirements of European or national legislation.

8.2.3 Environmental exposure controls
Avoid wind dispersal

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light Pink</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not relevant</td>
</tr>
<tr>
<td>pH</td>
<td>7.0</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>0.55g/cm³</td>
</tr>
<tr>
<td>Grain shape</td>
<td>Angular</td>
</tr>
<tr>
<td><strong>9.2 Other information</strong></td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>---</td>
</tr>
<tr>
<td>No other information</td>
<td></td>
</tr>
</tbody>
</table>

### 10 STABILITY AND REACTIVITY

#### 10.1 Reactivity
- Inert, not reactive

#### 10.2 Chemical Stability
- Chemically stable

#### 10.3 Possibility of hazardous reactions
- No hazardous reactions

#### 10.4 Conditions to avoid
- Not relevant

#### 10.5 Incompatible materials
- No particular incompatibility

#### 10.6 Hazardous decomposition products
- Not relevant

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

a) Acute toxicity: No evidence of acute toxicity.
b) Skin corrosion/irritation: Substance is not corrosive, may cause mechanical irritation.
c) Serious eye damage/irritation: May cause mechanical irritation.
d) Respiratory or skin sensation: May cause irritation.
e) Germ cell mutagenicity: No evidence of mutagenicity.
f) Carcinogenicity: No classification for carcinogenicity.
g) Reproductive toxicity: No evidence of reproductive toxicity.
h) STOT-single exposure: Not classified.
i) STOT-repeated exposure: Not classified.
j) Aspiration hazard: Based on available data, the classification criteria are not met.

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity
- Not relevant

#### 12.2 Persistence and degradability
- Not relevant

#### 12.3 Bioaccumulative potential
- Not relevant

#### 12.4 Mobility in soil
- Negligible

#### 12.5 Results of PBT and vPvB assessment
- Not relevant

#### 12.6 Other adverse effects
- No specific adverse effects known

### 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product: Where possible, recycling is preferable to disposal. Disposal should be carried out in compliance with local regulations.

Packaging: Dust generation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Disposal of packaging should be carried out in compliance with local regulations by an authorized waste management company.
### 14. TRANSPORT INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.1</strong></td>
<td>UN number</td>
</tr>
<tr>
<td><strong>14.2</strong></td>
<td>UN proper shipping name</td>
</tr>
<tr>
<td><strong>14.3</strong></td>
<td>Transport hazard classes</td>
</tr>
<tr>
<td>ADR</td>
<td>Not classified</td>
</tr>
<tr>
<td>IMDG</td>
<td>Not classified</td>
</tr>
<tr>
<td>ICAO/IATA</td>
<td>Not classified</td>
</tr>
<tr>
<td>RID</td>
<td>Not classified</td>
</tr>
<tr>
<td><strong>14.4</strong></td>
<td>Packing group</td>
</tr>
<tr>
<td><strong>14.5</strong></td>
<td>Environmental hazards</td>
</tr>
<tr>
<td><strong>14.6</strong></td>
<td>Special precautions for user</td>
</tr>
<tr>
<td><strong>14.7</strong></td>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
</tr>
</tbody>
</table>

### 15. REGULATORY INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15.1</strong></td>
<td>Safety, health and environmental regulations/legislation specific for the substance or mixture</td>
</tr>
<tr>
<td>National legislation/requirements</td>
<td></td>
</tr>
<tr>
<td>International legislation/requirements</td>
<td></td>
</tr>
<tr>
<td><strong>15.2</strong></td>
<td>Chemical safety assessment</td>
</tr>
<tr>
<td>No chemical safety assessment has been carried out by the supplier</td>
<td></td>
</tr>
</tbody>
</table>

### 16. OTHER INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(i)</td>
<td>Abbreviations and acronyms</td>
</tr>
<tr>
<td>EC: European Commission</td>
<td></td>
</tr>
<tr>
<td>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals and Substances</td>
<td></td>
</tr>
<tr>
<td>TWA: Time Weighted Average</td>
<td></td>
</tr>
<tr>
<td>STOT: Specific Target Organ Toxicity</td>
<td></td>
</tr>
<tr>
<td>PBT: Persistent, Bioaccumulative, Toxic</td>
<td></td>
</tr>
<tr>
<td>vPvB: very Persistent and very Bioaccumulating</td>
<td></td>
</tr>
<tr>
<td>EC: European Commision</td>
<td></td>
</tr>
<tr>
<td>(ii)</td>
<td>Key literature references and sources for data</td>
</tr>
<tr>
<td>(iii)</td>
<td>Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]</td>
</tr>
<tr>
<td>(iv)</td>
<td>Relevant Precautionary phrases and/or Hazard statements (number and full text)</td>
</tr>
<tr>
<td>P301- If swallowed, do not induce vomiting, seek medical advice immediately and show this document.</td>
<td></td>
</tr>
<tr>
<td>P302 – After contact with skin, wash immediately with plenty of soap and water.</td>
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</tr>
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<td>P304 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.</td>
<td></td>
</tr>
<tr>
<td>P305 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice</td>
<td></td>
</tr>
<tr>
<td>(v)</td>
<td>Training advice</td>
</tr>
<tr>
<td>All employees should be given adequate training in the proper use and handling of this product and any precautions and protective equipment required under applicable regulations.</td>
<td></td>
</tr>
<tr>
<td>(vi)</td>
<td>Further information</td>
</tr>
<tr>
<td>EH44/1997 - Dust: General Principles of Protection.</td>
<td></td>
</tr>
<tr>
<td>HSG37 - An Introduction to Local Exhaust Ventilation.</td>
<td></td>
</tr>
</tbody>
</table>
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