SECTION 1 Identification of the article and of the company/undertaking

11 Product identifier

Trade name: Ywall

Identification of the product: Calcium Silicate

Type of product: Article

12 Relevant identified uses of the substance, mixture or article and uses advised against

Use:
- Sheathing board
- Ceilings
- Partitions
- Exterior Cladding

13 Details of the supplier of the safety data sheet

Supplier
Unit 25-26 Rosevale Road
Parkhouse Industrial Estate West
Newcastle under Lyme
Staffordshire
ST5 7EF
United Kingdom

0800 612 4662
info@rcmltd.biz

14 Emergency telephone number
0800 612 4662

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45:
Non-Hazardous - Not Applicable

Hazard class and category code regulation EC 1272/2008 (CLP):
Non-Hazardous - Not Applicable

2.2 Label elements

Labelling regulation (EC) 67/548 or EC 1999/45:
No Labelling Required.

Labelling regulation (EC) 1272/2008 (CLP):
No Labelling Required.

2.3 Other hazards

Generation of significant quantities of airborne dust is unlikely during normal handling. The handling and machining of this product may lead to the release of quartz containing dust. The inhalation of dust containing quartz, in particular the fine (respirable) dust fraction, in high concentrations over a prolonged period of time may lead to lung disease (silicosis) and an increased risk of lung cancer.
### SECTION 3 Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS No</th>
<th>EC No</th>
<th>Contents by Weight %</th>
<th>Index Number (REGULATION (EC) No 1272/2008)</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Classification (Other)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland cements</td>
<td>65997-15-1</td>
<td>-</td>
<td>35%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lime</td>
<td>1305-78-8</td>
<td>-</td>
<td>20%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quartz</td>
<td>34808-60-7</td>
<td>-</td>
<td>35%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>-</td>
<td>9%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mica and other fillers</td>
<td>-</td>
<td>-</td>
<td>1%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### SECTION 4 First aid measures

#### 4.1 Description of first aid measures

**Inhalation:** Remove to fresh air and drink water

**Skin contact:** Wash thoroughly with soap and water.

**Eye contact:** Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: seek medical advice/attention.

**Ingestion:** Ingestion is unlikely due to product form. Do not induce vomiting. Rinse mouth. Drink plenty of water.

#### 4.2 Most important symptoms and effects, both acute and delayed

May cause irritation to the respiratory tract and to other mucous membranes. May cause temporary irritation/skin rash. Repeated exposure may cause skin dryness or cracking. Eye contact with dust may lead to transient eye irritation or inflammation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention if the symptom persists.

### SECTION 5 Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Use extinguishing media appropriate as for surrounding materials.

#### 5.2 Special hazards arising from the substance or mixture

The product is non-combustible

#### 5.3 Advice for fire-fighters

**Flammable class:** The Product is non-combustible

**Protection against fire:** The Product is non-combustible

### SECTION 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Minimize generation of dust. Avoid breathing dusts. Avoid eye and skin contact. Dampen down any dust or use vacuum cleaner with correct filter.

#### 6.2 Environmental precautions

**Environmental precautions:** Dispose in accordance with local authority regulations. Prevent spread of dust. Do not allow to enter drains or water courses.

#### 6.3 Methods and material for containment and cleaning up

**Methods and material for containment:** Wear protective equipment to prevent eye and skin contamination and the inhalation of dusts. Working in a well ventilated area is highly recommended.

**Clean up methods:** Wet the dust if possible, sweep up the solid. Dry sweeping is not recommended. Shovel up small pieces. Dampen down any dust before putting into appropriate skips.

#### 6.4 Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".
SECTION 7 Handling and storage

7.1 Precautions for safe handling

**Personal protection:** Minimize the dust generation at the work place. When there is cutting, sawing, sanding or grinding during the installation and handling of this product, it should be carried out in a well-ventilated area (e.g. outdoor, open-area). Work area should be cleaned regularly by wet sweeping or vacuuming.

**Technical protective measures:** Work in a well ventilated area. Use tools with appropriate dust exhaust equipment.

7.2 Conditions for safe storage, including any incompatibilities

**Storage:** Store in dry, covered and frost proof area. The products must be laid flat under cover on a smooth surface clear of the ground to avoid exposure to water or moisture.

7.3 Specific end use(s)

Used as internal partition, ceiling, sheathing for exterior wall cladding in building.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

**Occupational/workplace exposure limits:** Please refer to the Occupational Exposure Limits or Workplace Exposure Limits allowed in respective country. Ensure all national/local regulations are observed.

**Control parameters for airborne:** Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.

- **Inhalable**
  - Refer to local restrictions mg/m³
- **Respirable**
  - Refer to local restrictions mg/m³

8.2 Occupational exposure controls

8.2.1 General protection controls

**Industrial hygiene:** Please refer to regulation in the respective country

8.2.2 Individual protection controls

**Respiratory protection:** Avoid breathing dusts. Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits.

**Skin protection:** Avoid contact with skin. Use working clothes and gloves to protect against mechanical injury and direct skin contact.

**Eye protection:** Avoid contact with eyes. Use safety glasses whenever tools are used and dusts are produced.

**Ingestion:** During dry cutting, drilling, routing, and sanding with power or abrasive tool, or if dust is generated, use an approved particulate dust mask to prevent ingestion.
SECTION 9 Physical and chemical properties

**Appearance:** Board (solid)

**Colour:** Off-white/grey or Yellow

**Odour:** None

**pH value:** 9-11

**Melting point/freezing point:** 1200-1500°C

**Initial boiling point and boiling range:** No data available.

**Flash point:** No data available.

**Evaporation rate:** No data available.

**Flammability:** Not applicable.

**Explosive limits**

Upper: Not applicable.

Lower: Not applicable.

**Vapour pressure:** Not applicable.

**Vapour density:** Not applicable.

**Relative density:** 1000-1350 kg/m³

**Solubility in water:** Insolubility in water

**Auto-ignition temperature:** Not Applicable

**Viscosity:** Not Applicable

**Explosive properties:** Not Applicable

**Oxidising properties:** Not Applicable

**9.2 Other information**

No asbestos, brucite, meerschaum or formaldehyde in the raw materials and the formulas.

SECTION 10 Stability and reactivity

**10.1 Reactivity**

**Stability and reactivity:** This product is stable under ordinary condition. It will generate dust during processing, handling and installation.

**10.2 Chemical stability**

**Chemical stability:** Stable under normal conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions**

**Hazardous reactions:** No dangerous reactions under normal conditions of use.

**Hazardous properties:** Not Applicable

**10.4 Conditions to avoid**

**Conditions to avoid:** None under recommended storage and handling conditions.

**10.5 Incompatible materials**

**Materials to avoid:** Strong acid and strong alkali.

**10.6 Hazardous decomposition products**

Normal conditions of storage and use, hazardous decomposition products should not be produced.
**SECTION 11 Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity:** Calcium silicate board is non-toxic in its intact form.

- **Skin corrosion/irritation:** Not Classified
- **Serious eye damage/eye irritation:** Not Classified
- **Respiratory or skin sensitisation:** Not Classified
- **Germ cell mutagenicity:** Not Classified
- **Carcinogenicity:** Not Classified
- **Reproductive toxicity:** Not Classified

**Specific target organ toxicity**

- **- single exposure:** Not Classified
- **- repeated exposure:** Not Classified

**Aspiration hazard:** Not Classified

**11.2 Additional information**

**On product:** The inhalation of quartz containing dust, in particular the fine dust fraction (respirable size), in high concentrations or over repeated or prolonged periods of time can be hazardous to health and may lead to chronic lung disease and an increased risk of lung cancer. This risk will be minimal if correct working practices are observed and applied. (Refer to Section 8).

**SECTION 12 Ecological information**

**12.1 Toxicity**

Not applicable.

**12.2 Persistence and degradability**

Not applicable.

**12.3 Bioaccumulative potential**

Not applicable.

**12.4 Mobility in soil**

Not applicable.

**12.5 Results of PBT and vPvB assessment**

Not applicable.

**12.6 Other adverse effects**

Not applicable.
### SECTION 13 Disposal considerations

#### 13.1 Waste treatment methods
Handle as construction waste

#### 13.2 General

**Product:** Dispose in a safe manner in accordance with local/national regulations.

**Contaminated packaging:** Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14 Transport information

#### 14.1 UN number

| ADR/RID: | Not regulated as dangerous goods |
| IMDG:    | Not applicable.                 |
| IATA:    | Not applicable.                 |

#### 14.2 UN proper shipping name

| ADR/RID: | Not applicable. |
| IMDG:    | Not applicable. |
| IATA:    | Not applicable. |

#### 14.3 Transport hazard class(es)

| ADR/RID: | Not applicable. |
| IMDG:    | Not applicable. |
| IATA:    | Not applicable. |

#### 14.4 Packaging group

| ADR/RID: | Not applicable. |
| IMDG:    | Not applicable. |
| IATA:    | Not applicable. |

#### 14.5 Environmental hazards

| ADR/RID: | Not regulated as dangerous goods |
| IMDG Marine pollutant: | Not regulated as dangerous goods |
| IATA:    | Not regulated as dangerous goods |

#### 14.6 Special precautions for user

**Overland transport:** There are no specific requirements for handling and storage.

**Air transport:** There are no specific requirements for handling and storage.

**Inland waterway transport:** There are no specific requirements for handling and storage.

**Rail transport:** There are no specific requirements for handling and storage.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.
SECTION 15 Regulatory information

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

15.1.1 EU-Regulations
Contains no substance on the REACH candidate list

15.1.2 National regulations
No additional information available

15.2 Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16 Other information

Further Information
Operators must wear an approved particulate dust mask during cutting, grinding, sanding, drilling, routing or abrading of this calicium silicate product. When cutting the board please use a good dust collecting machine.

DISCLAIMER OF LIABILITY
The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.
Roofing & Cladding Materials Ltd nor any other subsidiary of the Benx Group will be held accountable for any damage resulting from handling or from contact with the above product. This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.