



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

1.1 Product identifier

Trade Name: Ywall

Identification of the product: Calcium Silicate

Type of product: Article

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

Use: This product is used as internal/external wall cladding, partition, ceiling and flooring .

1.3 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
Email: info@rcmltd.biz
Telephone: 0800 612 4662

1.4 Emergency telephone number

NHS : 111

SECTION 2 Hazards identification

Radioactivity & Asbestos: Non-Asbestos Calcium Silicate board do not present a hazard to human or animals in their intact state.

Volatile: **Normal State:** Non-Asbestos Fiber Reinforced Calcium Silicate Board is made from cementing material through the chemical reaction with a set temperature and humidity of raw materials and make the final panel with its specific strength. It is friendly to environment and creatures.

High Temperature State: Non-Asbestos Fiber Reinforced Calcium Silicate Board reaches standards, during burning time there is no toxic smoke coming out. Only water vapor and a little carbide oxide come out under high temperature.

SECTION 3 Composition/information on ingredients

Raw Material

Ingredient	CAS	Concentration
Portland Cements	65997-15-1	35%
Lime	1305-78-8	20%
Quartz	14808-60-7	35%
Cellulose	9004-34-6	9%
Mica and	--	1%

Composition: It is composed in the autoclave under high temperature and pressure. The compositions of final product are crystalloid of Calcium Silicate, Quartz, Calcium Carbonate, Cellulose and other not harmful material. Such as, Mica, etc.

PH Value: 9-11

Solubility: 0.03-0.05 Kg/M3

Melt Point: 1200-1500°C

Remarks: No asbestos, brucite, meerscham or formaldehyde in the raw materials and the formulas.

SECTION 4 First aid measures

4.1 Dust and its Protection

Dust: When processing the boards, for example, cutting, drilling, it will generate dust. As a result, one should pay attention to the dust and take some measures. Please process the board in ventilated area and use dust collecting machine to avoid any ill-effect or danger.

4.2 Acute Effects

Skin contact: The dust from these products may cause irritation of the skin deal to friction but is not absorbed through the skin.

Eye Contact: The dust from these products may irritate the eyes for tears.

Ingestion: When processing, the dust may affect food and beverage, indigestion of the dust may result in abdominal discomfort.

Inhaled: The dust from processing may cause irritation of nose, throat, lung and cause coughing and sneezing via breath.

4.3 Description of first aid measures

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. Rinsemouth. Drink plenty of water.

Inhalation: Remove to fresh air and drink water.

Remark: Seek medical attention if symptoms persist.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

The product is non-combustible, there is no specific firefighting measures required for this product. In case of fire, extinguish it with carbon dioxide, water, foam or dry chemical as for surrounding materials.

SECTION 6 Accidental release measures

6.1 Statement

The calcium silicate products their intact state do not present a fire, health or environmental hazard. The precautions measures below are applied to dust generated during cutting, grinding, sanding, drilling, routing, rebating or sawing of fiber cement products.

6.2 Methods and material for containment and cleaning up

Clean-up Method: Wet the dust if possible to do, sweep up the solid. Dry sweeping is not recommended.

Disposal: Dispose in accordance with local authority regulations.

Precautions: Wear protective equipment to prevent eyes contamination and the inhalation of dusts. Working at well ventilation area is recommended.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Handling Requirements 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 at well-ventilated area (e.g. outdoor, open-area).
Work area should be cleaned regularly by wet sweeping or vacuuming.

7.2 Conditions for safe storage, including any incompatibilities

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



SECTION 8 Exposure controls/personal protection

- 8.1 General Controls:** Avoid generating dust or keep exposure to dust as low as practicable. Work areas should be cleaned regularly by wet sweeping or vacuuming.
- 8.2 Engineering Controls:** Practices likely to generate dust should be carried out in adequately ventilated areas or in process enclosures with exhaust ventilation.
- 8.3 Personal Protection:**
- Eye protection:** Safety glasses should be worn.
 - Skin Protection:** Direct contact with dust and debris should be avoided by wearing long sleeved shirts or gloves.
 - Inhalation Protection:** During dry cutting ,drilling, routing ,and sanding with power or abrasive tool, or if dust is generated ,used an approved particulate dust mask .

SECTION 9 Stability and safety capability

Item	Introduction
Stability	This product is stable under ordinary condition. Excessive dust generation during processing, handling and installation.
Radioactive	Safe for application. IRa<0.1 Ir<0.1
Non-Combustibility	Non-combustible Material Grade A

SECTION 10 Toxicological information

Toxicity: Calcium silicate board is non-toxic in its intact form.

SECTION 11 Ecological information

This product is not considered as environmental hazard – not considered to be toxic in aqueous or soil environment.

SECTION 12 Regulatory information

Safety, health and environmental regulations specific for the substance:

- (a) Occupational Health and Safety Assessment Series 18001 and relevant regulations
- (b) Environmental Quality ISO14001

SECTION 13 Transportation

- Non-Asbestos Calcium Silicate Board is stable in quality; it won't generate any chemical changes in intact state. There are no specific requirements for handling and storage.
- The water absorption of our Non-Asbestos Calcium Silicate Boards is between 25 and 60%, which depends on the density of boards. After the boards get saturated, there will be a very little change in volume. However, after the water releases, the strength will return to normal state. Therefore, before installation, the boards should be stored in ventilated and dry environment.
- As for this kind of boards, the wagon of the carriage must be smooth and any toss is prohibited. The board should be carried by two men with both hands and taking the long edges vertically.

SECTION 14 Other information

MINIMISE DUST GENERATION AND DO NOT BREATHE DUST!

Operators must wear an approved particulate dust mask during cutting, grinding, sanding, drilling, routing or abrading of this fiber cement product.

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