

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

1.1 Product identifier

Trade name: Siltech

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: Sheathing board
Ceilings
Partitions

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

0800 612 4662

info@rcmltd.biz

1.4 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-Asbestos Calcium Silicate board do not present a hazard to human or animals in their intact state.

Hazard class and category code regulation EC 1272/2008 (CLP): Non-Asbestos Calcium Silicate board do not present a hazard to human or animals in their intact state.

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

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.

High Temperature State

Our Non-Asbestos Fiber Reinforced Calcium Silicate Board reaches the standard of GB5464, during continuous 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

Components: This article is classified as not hazardous.
This product is a manufactured article, not a substance nor a preparation.

Substance Name	CAS No	EC No	Contents by Weight %	Index Number (REGULATION (EC) No 1272/2008)	Classification (REGULATION (EC) No 1272/2008)	Classification (Other)
Portland cements	65997-15-1	-	35%	-	-	No data available.
Lime	1305-78-8	-	20%	-	-	No data available.
Quartz	14808-60-7	-	35%	-	-	No data available.
Cellulose	9004-34-6	-	9%	-	-	No data available.
Mica and other fillers	-	-	1%	-	-	No data available.

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation: Remove to fresh air.

Skin contact: Wash thoroughly with soap and water.

Eye contact: Flush with running water.

Ingestion: Under normal condition drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Seek medical attention if symptoms persist.

4.3 Indication of any immediate medical attention and special treatment needed

No Data Available

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: In case of fire, extinguish it with carbon dioxide, water, foam or dry chemical as for surrounding materials.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for fire-fighters

Flammable class: The Product is non-combustible

Protection against fire: No data available.

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. Use recommended respiratory protection.

6.2 Environmental precautions

Environmental precautions: Not applicable.

6.3 Methods and material for containment and cleaning up

Methods and material for containment: Not applicable.

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

6.4 Reference to other sections

Not applicable.

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 the products at 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.

7.3 Specific end use(s) No data available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Occupational/workplace exposure limits: Avoid generating dust or keep exposure to dust as low as practicable. Work areas should be cleaned regularly by wet sweeping or vacuuming.

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 No data available. mg/m³

Respirable No data available. mg/m³

8.2 Occupational exposure controls

8.2.1 General protection controls

Industrial hygiene: 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.

8.2.2 Individual protection controls

Respiratory protection: The dust from processing may cause irritation of nose, throat, lung and cause coughing and sneezing from breathing in.

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

Eye protection: The dust from these products may irritate the eyes.
Use safety glasses whenever tools are used and dusts are produced.

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

SECTION 9 Physical and chemical properties

Appearance: Board (solid)

Colour: Yellowish or Greyish

Odour: No data available.

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: Non flammable.

Explosive limits Upper

Lower

Not applicable.

Not applicable.

Vapour pressure: Not applicable.

Vapour density: Not applicable.

Relative density: 1200 kg/m³

Solubility in water: 0.03-0.05 Kg/m³

Auto-ignition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: No data available

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. Excessive dust generation during processing, handling and installation.

Radioactive

Safe for application.

IRa<0.1

Ir<0.1

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Hazardous reactions: None.

Hazardous properties: None.

10.4 Conditions to avoid

Conditions to avoid: None Known.

10.5 Incompatible materials

Materials to avoid: Strong acids.

10.6 Hazardous decomposition products

No data available

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: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

11.2 Additional information

On product: Not applicable.

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: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

SECTION 14 Transport information

14.1 UN number

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

14.2 UN proper shipping name

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

14.3 Transport hazard class(es)

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

14.4 Packaging group

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

14.5 Environmental hazards

ADR/RID: No data available.

IMDG Marine pollutant: No data available.

IATA: No data available.

14.6 Special precautions for user

Overland transport: **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.

Air transport: No data available. The water absorption of our Non-Asbestos Calcium Silicate Boards is between 25 and 40% which

Inland waterway transport: No data available.

Rail transport: No data available.

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

No data available.

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	Not applicable.
15.2	Chemical safety assessment	Not applicable.

SECTION 16 Other information

Further 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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