



Health & Safety Product Data Sheet

Marley Weatherboard



Reviewed 31.12.2020
Version 1.1

The Control of Substances Hazardous to Health Regulations (COSHH), requirements of The Health and Safety at Work Act, The Consumer Protection Act and The Chemicals (Hazard Information and Packaging for Supply) Regulations, requires us to provide relevant information regarding our products in respect of its properties, correct use, storage/handling and disposal without risk to health.

1. Identification of the substance/preparation and of the company/undertaking

Product details:

Fibre Cement Weatherboard Cladding

Application of the Product:

Cladding

Manufacturer/Supplier:

Marley Limited, Lichfield Road, Branston, Burton on Trent, Staffordshire, DE14 3HD
Tel: 01283 722222

2. Composition/information on ingredients

Description:

Manufactured from Portland cement, sand and cellulose wood fibres together with mineral fillers. Sand is a siliceous material containing quartz. Portland cement is alkaline. The surface is covered by water-based acrylic coatings or primer.

3 Hazards identification

Hazard description:

Although the product is not harmful in the intact condition as supplied, dust generated during cutting, drilling or surface machining will contain quartz (crystalline silica) particles and alkaline calcium compounds. Inhalation of high concentrations of dust may irritate the airways. Dust may also cause irritation and drying of the eyes and/or skin.

Inhalation of dust containing quartz (crystalline silica), in particular the fine (respirable size) dust fraction, in high concentrations or over prolonged periods of time can lead to lung disease (silicosis) and an increased risk of lung cancer.

Inhalation:

Acute effects - Dust occurred during sanding or sawing operation may cause irritation of the nose, throat, and respiratory system, resulting in coughing and sneezing.

Chronic Effects - Repeated and prolonged inhalation of dust containing crystalline silica can cause silicosis (scarring of the lung) and increases the risk of bronchitis, tuberculosis, lung cancer, renal disease, and scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels, and internal organs). Some studies suggest that cigarette smoking increases the risk of silicosis, bronchitis and lung cancer in persons also exposed to crystalline silica.

Swallowing:

Swallowing alkaline dust from this product may result in irritation or damage to the mouth and gastrointestinal tract.

Eye:

Dust may irritate the eyes from mechanical abrasion causing watering and redness.

Skin:

Irritating and drying to skin. May cause alkaline burn and irritant or allergic of the skin.

Carcinogenicity:

Some studies suggest that crystalline silica inhaled in the forms of quartz or cristobalite is carcinogenic to humans.



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LD50:

Silicon Dioxide: Rat oral >22,500 mg/kg Mouse oral >10,500 mg/kg

Component Substance Name	CAS Number	Proportion (by weight)	Risk phrases
Crystalline Silica (Quartz)	14808-60-7	30-40 %	
Portland Cement	65997-15-1	30-40 %	R36 R37 R38
Cellulose	9004-34-6	< 10 %	
Other non-hazardous ingredients (fillers)		10-40 %	

4 First-aid measures

General information:

There are no specific requirements when using fibre cement weatherboards other than the appropriate treatment of minor injuries.

Swallowed:

If swallowed, rinse mouth and lips with water. Give water to drink to dilute stomach contents. Do not induce vomiting. If symptoms persist, seek medical attention. If unconscious, loosen tight clothing and lay the person on his/her left side. Give nothing by mouth to an individual who is not alert and conscious.

Eye Contact:

Remove contact lens or eyeglasses. Flush thoroughly with flowing water or saline for at least 15 minutes. Seek medical attention if redness persists or visual changes occur.

Skin Contact:

Wash with mild soap and water. Contact physician if irritation persists or later develops.

Inhaled:

Move from dusty area to fresh air. If shortness of breath or wheezing develops, seek medical attention.

Accidents:

Where products strike or crush parts of the body should be referred to a suitably qualified medical practitioner. In all cases of doubt or where symptoms persist, medical advice should be obtained.

5 Fire-fighting measures

Suitable extinguishing agents:

Marley Weatherboard fibre cement products are not flammable and are non-explosive.

Extinguishing media:

Appropriate extinguishing media such as carbon dioxide, foam, water or dry chemical should be used for any surrounding fire.



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6 Accidental release measures

No special measures are required for retrieval of dropped or broken product but good housekeeping practices should be used to clean areas affected by dust release on working.

A high efficiency vacuum cleaner fitted with a HEPA filter is the best method of cleaning. A fine water spray should be used for dust suppression when sweeping.

7 Handling and storage

Information for safe handling:

Where plastic banding is used to contain weatherboards the bands are under tension and may fly when cut. Caution should be taken when cutting these straps to prevent personal injury. Packs should be lifted by correctly positioned handling forks. When handling pack bundles and separate weatherboards, these should be lifted and carried on edge, never face down. Personal injury due to strains and ruptures should be avoided if the requirements of The Manual Handling Operations Regulations are implemented.

Storage:

Packs should be stored in dry conditions on level ground.

8 Exposure controls/personal protection

Weatherboards have edges that may be sharp or abrasive, therefore suitable gloves should be worn when handling. When cutting or drilling weatherboards, ensure that Dust exposure is minimised by following recommended practices to limit release. Work in a well-ventilated area, outdoors whenever possible. Preferably use score and snap, shears or guillotines for cutting. When circular saws are used, these should be with dust suppression and removal via HEPA vacuum attachment. Approved Respiratory protection should be selected in accordance with the level of crystalline silica indicated by dust sampling. When this is not determined, protection should be to the highest level of concentration.

Occupational Exposure Limit (OEL)

Dust – 8 hr T.W.A.

10 mg/m³ (total inhalable dust)

4 mg/m³ (total respirable dust)

Workplace Exposure Limit (WEL)

Respirable Crystalline Silica – 8hr T.W.A. - 0.1 mg/m³ respirable silica

Cutting/Sanding/Rebating/Drilling/Other Machining

If cutting, sanding, rebating, drilling, or other machining is performed; you should always wear an approved dust mask or respirator and warn others in the immediate area.

Respiratory protection - Select respirators or safety dust masks based on the level of exposure to crystalline silica measured by dust sampling. Use respirators that offer protection to the highest concentrations of crystalline silica if the actual concentrations are unknown.

Eye - When cutting material, dust resistant safety glasses with side shields should be worn.

Skin - Loose comfortable clothing should be worn with long sleeved shirts and long trousers, a helmet or cap and gloves to prevent skin contact with dust or debris. Work clothes should be washed regularly.

Cleaning - A fine water spray should be used to suppress dust during sweeping. A better means of collecting particles is to use a HEPA vacuum cleaner.



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9 Physical and chemical properties

General Information:

Solid boards or planks of varying dimensions as indicated in product literature. Surfaces covered by coloured acrylic paint or primer.

Properties:

Not applicable.

10 Stability and reactivity

Marley fibre cement weatherboards are stable and non-reactive when supplied.

11 Toxicological information

Acute toxicity:

Not applicable.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines

12 Ecological information

Not applicable.

13 Disposal considerations

General notes:

Redundant product and packaging should be recycled or disposed of via a specialist contractor. Advice on the preferred method should be obtained from the local authority waste disposal officer.

14 Transport information

General notes:

No special precautions required



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15 Regulatory information

General notes:

Classified as non-hazardous for conveyance and supply.

16 Other information

General notes:

In accordance with the Management of Health & Safety at Work Regulations, employers must carry out a risk assessment to ensure the health and safety of their employees and non-employees who may be affected by their undertaking when using these products

National Legislation:

Health and Safety at Work etc Act 1974, Control of Substances Hazardous to Health Regulations, Construction (Health, Safety and Welfare) Regulations, Manual Handling Operations Regulations, HSE Guidance Note EH40 (Occupational Exposure Limits), HSE Guidance Note EH44 (Dust – General Principles of Protection), HSE Guidance Note EH59/2 (Respiratory Crystalline Silica). HSE - Chemical Hazard Alert Notice (CHAN) 35 Respirable Crystalline Silica