



# Health & Safety Product Data Sheet



## CONCRETE ROOF TILES AND FITTINGS

Reviewed 14.11.2018  
Version 7.0

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.

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

**Product details:**

Concrete roof tiles, fittings and accessories.

**Application of the Product:**

Roofing/Cladding

**Manufacturer/Supplier:**

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

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### 2. Composition/information on ingredients

**Description:**

Manufactured from Sand containing a proportion of quartz (crystalline silica) and cement, various pigments, admixtures and water. Paint, granules and acrylic may be applied to provide a decorative coating.

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### 3 Hazards identification

**Hazard description:**

All concrete products, when machined mechanically or cut will release dust, which may contain quartz (crystalline silica) particles.

Inhalation of high concentrations of dust may irritate the airways. Dust may also cause irritation 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.

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### 4 First-aid measures

**General information:**

There are no specific requirements when using concrete roofing products other than the appropriate treatment of minor injuries.

**Damage to skin:**

Wash with water and apply sterile dressing.

**Dust in mouth or eyes:**

Irrigate liberally with water.



# Health & Safety Product Data Sheet



## CONCRETE ROOF TILES AND FITTINGS

### 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.

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## 5 Fire-fighting measures

### Suitable extinguishing agents:

Concrete roofing products will not support combustion. However, the painted surfaces of concrete products will burn if heated fiercely but will extinguish on removal of the ignition source. No special fire fighting procedures or extinguishing media's are required to deal with burning products. The thermal decomposition of acrylics used both in production and surface coatings may yield toxic monomer fumes.

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## 6 Accidental release measures

Not applicable

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## 7 Handling and storage

### Information for safe handling:

Where plastic banding is used to contain tiles, the bands are under tension and may fly when cut. Caution should be taken when cutting these straps to prevent personal injury. To prevent injury from falling tiles, each end of the pack should be supported prior to the cutting of the plastic banding. Packs should not be lifted by polythene or plastic banding alone, but by a suitable clamp capable of carrying the weight of the pack, or by correctly positioned handling forks. Tile packs should be stored on dry level ground no more than 3 packs high whilst pallets containing fittings should not be stacked. Attention should be given to the weight of some of the tiles or packs of tiles when being handled. Personal injury due to strains and ruptures should be avoided if the requirements of The Manual Handling Operations Regulations are implemented.

### Storage:

N/A

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## 8 Exposure controls/personal protection

Concrete roof tiles have edges and granular coatings that may be sharp or abrasive, therefore suitable gloves should be worn when handling. When handling wet tiles, impervious PVC or Nitrile gloves should be worn. Other suitable personal protective equipment should also be worn to prevent contact with the wet tile surface, which may become alkali. When cutting tiles, ensure that Dust exposure is minimised in accordance with INDG 284 by using water suppression. As a general rule try to eliminate the exposure to dust. Work in a well-ventilated area. Use hand tools or slow running mechanical tools by preference. Approved Respiratory Protective Equipment must be worn.

### Workplace Exposure Limit (WEL)

Dust – 8 hr Time Weighted Average (TWA).

10 mg/m<sup>3</sup> (total inhalable dust)

4 mg/m<sup>3</sup> (total respirable dust)

Respirable Crystalline Silica – 8hr T.W.A. - 0.1 mg/m<sup>3</sup> respirable silica



# Health & Safety Product Data Sheet



## CONCRETE ROOF TILES AND FITTINGS

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### 9 Physical and chemical properties

**General Information:**

Concrete roof tiles are inert and solid when supplied. The aggregates used in production are obtained from naturally occurring deposits consisting of various minerals including crystalline silica. The cement is predominately made up of calcium silicate and calcium aluminate. The pigments used in production are mainly iron oxide, although other oxides may be present in varying quantities.

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### 10 Stability and reactivity

Not applicable.

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### 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

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### 12 Ecological information

Not applicable.

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### 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.

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### 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.



# Health & Safety Product Data Sheet



## CONCRETE ROOF TILES AND FITTINGS

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### 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