



HEALTH AND SAFETY PRODUCT DATA SHEET CONCRETE ROOF TILES AND FITTINGS

Reviewed 23.01.2014

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

Concrete roof tiles, fittings and accessories.

Application of the Product Roofing/Cladding

Manufacturer/Supplier:

Marley Eternit Limited
Lichfield Road
Branston
Burton on Trent
Staffordshire
DE14 3HD

Further information obtainable from our Marketing Department:

Tel: (01283) 722222

Fax: (01283) 722242

Email: roofingsales@marleyeternit.co.uk

www.marleyeternit.co.uk

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.

3 Hazards identification

Hazard description All concrete products, when machined mechanically 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.

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.

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:

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.

6 Accidental release measures

Not applicable

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

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.

As a general rule try to eliminate the exposure to dust containing quartz (crystalline silica) Work in a well-ventilated area. Use dust suppression techniques where practicable. Use hand tools or slow running mechanical tools by preference. Collect dust with a vacuum cleaner, hose down or wet sweep work areas. An approved P3 respirator must be worn to prevent the inhalation of dust when other measures fail to adequately control the dust produced during the mechanical machining of the products.

Workplace Exposure Limit (WEL)

Dust – 8 hr Time Weighted Average (TWA).

10 mg/m³ (total inhalable dust)

4 mg/m³ (total respirable dust)

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

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.

10 Stability and reactivity

Not applicable.

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

General notes: Not Applicable

13 Disposal considerations

General notes: Redundant product and packaging should be recycled where this facility exists, or disposed of by a registered carrier to an approved landfill site. Waste polythene can be incinerated under approved conditions in compliance with the Environmental Protection Act. Advice on the preferred method should be obtained from the local authority waste disposal officer

14 Transport information

General notes: No special precautions required.

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

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