

HEALTH AND SAFETY PRODUCT DATA SHEET

REPCO CONCRETE TILES AND FITTINGS



The Control of Substances Hazardous to Health Regulations (COSHH), requirements of The Health and Safety at Work Act, The Consumer 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.

PRODUCTS

Concrete roof tiles, ridge tiles, ventilation products and decorative roofing products.

COMPOSITION

Sand and cement, various pigments, admixtures and water. Paint granules and acrylic may be applied to provide a decorative coating.

PHYSICAL AND CHEMICAL PROPERTIES

Concrete roof tiles are inert and solid when supplied. The aggregates used in production are obtained from naturally occurring deposits which consist of various minerals which include crystalline silica. The cement is predominately made up of calcium aluminate.

The pigments used in production are mainly iron oxide, although other oxides may be present in varying quantities.

HAZARD IDENTIFICATION

Dust produced during the mechanical cutting of concrete roofing products may contain respirable crystalline silica. It should be noted that inhalation of dust containing crystalline silica over long periods could constitute a long term health hazard.

ACCIDENTAL RELEASE MEASURES

Not applicable.

HANDLING AND STORAGE

Caution should be taken when opening packs of tiles. To prevent injury from falling tiles, each end of the pack should be supported prior to the cutting of the plastic packaging. Packs should not be lifted by polythene alone, but by correctly positioned handling forks.+

Tile packs should be stored on dry level ground no more than 2 packs high. 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 can be avoided if the requirements of The Manual Handling Operations Regulations are implemented.

FIRST AID MEASURES

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

Damage to skin – Wash with soap and 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 sought.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Concrete roof tiles have edges and granular coatings that may be sharp and abrasive, therefore suitable gloves should be worn when handling. When cutting tiles with a mechanical saw it is advisable to use water to minimise the generation of dust from this process. A dust mask to current HSE or European approved standard should be worn to protect from the inhalation of dust which may contain respirable crystalline silica. Protective goggles should also be worn to prevent dust entering the eyes.

Occupational Exposure Standard (OES)

Dust – 8hr T.W.A

10 mgm³ (total inhalable dust)

4 mgm³ (total respirable dust)

Maximum Exposure Limit (MEL)

Respirable Crystalline Silica – 8hr T.W.A. – 0.3 mgm³ respirable silica

TRANSPORT INFORMATION

No special precautions required.

REGULATORY INFORMATION

Classified as non hazardous for conveyance and supply.

DISPOSAL CONSIDERATIONS

Redundant waste polythene can 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.

FIRE FIGHTING MEASURES

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

STABILITY AND REACTIVITY

Not applicable.

OTHER INFORMATION

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 other persons who may be affected by their undertaking.

For further information contact;

Repco Roof Tiles Ltd
49 Maurice Gaymer Road
Attleborough
Norfolk
NR17 2QZ

Tel; 0845 647 3001

Fax: 01484 855882

Email enquiries@repcorooftiles.co.uk