

1. IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

Product name: Concrete roof tiles
Other names: Precast concrete products
Product code: Various
Company Name: Sandtoft Roof Tiles Limited
Belton Road
Sandtoft
Doncaster
South Yorkshire
DN8 5SY

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: Crystalline Silica (Quartz SiO₂)
CAS: 14808-60-7
EINECS: 238-878-4
Content: Variable 10-40%

Other ingredients: Admixtures & Pigments

3. HAZARD IDENTIFICATION

Sandtoft's concrete products present little or no inherent human health hazard. Risks to human health may arise when products are reworked, liberating dust (which contains a proportion of free crystalline silica) in a form which is respirable.

4. FIRST AID MEASURES

Skin contact: Wash hands with soap and water to remove dust and particles. Use of a hand cream may help if skin is dry or abraded.

Eye contact: Bathe the eye with clean, cool, running water for 15 minutes, lifting eyelid often to flush trapped particles. If irritation persists seek medical advice.

Ingestion: Wash out mouth and throat with water and expel liquid. If irritation persists seek medical advice.

Inhalation: If discomfort or irritation occurs, remove to fresh air and blow nose to expel dust. If irritation persists, seek medical advice. If breathing is laboured, seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Product is not combustible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of MSDS for personal protection details.

Clean-up procedures: Clean up dust by vacuum fitted with a high efficiency filter or use wet clean up method.

7. HANDLING AND STORAGE

Handling requirements: No special handling requirements. Carry out risk assessment as appropriate.

Storage conditions: Refer to Sandtoft's safe stacking recommendations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Limits: Crystalline Silica (Quartz SiO₂)

Long-term WEL (8-Hour TWA reference period): **0.1 mg/m³** (Figures from EH40 2006, Third Edition 2018)

Engineering measures: Where production of significant dust is likely, use a wet cut method or local exhaust ventilation.

Respiratory protection: If engineering controls are insufficient, a suitable approved particulate respirator must be worn.

Hand protection: Abrasion and cut resistant gloves.

Eye protection: Suitable safety goggles.

Skin protection: Suitable overalls as necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Colour: Various

Odour: None

Solubility in water: Insoluble

Flash point: Non flammable

Melting Point: >1000°C

10. STABILITY AND REACTIVITY

Sandtoft's concrete products are stable and non-reactive

11. TOXICOLOGICAL INFORMATION

Skin contact: Unlikely to cause significant effects. After repeated handling, the abrasive texture and sharp edges of products may cause some irritation.

Eye contact: Unlikely to cause significant effects. Nuisance dust may cause some mild irritation to the eyes.

Ingestion: Unlikely to cause significant effects. Nuisance dust may cause some mild irritation of the throat.

Inhalation: If product is in an inhalable or respirable form, exposure may result in irritation to the respiratory tract.

If exposure is very large, then acute silicosis may occur, characterised by progressively laboured breathing.

Chronic exposure to respirable crystalline silica in humans is associated with impairment of lung function. Reduced lung function may occur because of an increase in fibrotic tissue (silicosis), atrophy of gas exchange surfaces (emphysema) or airway obstruction (bronchiolitis). The U.K. Health and Safety Executive indicates "there is sufficient evidence to indicate that RCS (Respirable Crystalline Silica) can cause lung cancer in humans". ACTS/35/2004

12. ECOLOGICAL INFORMATION

No ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Dispose of solid waste in accordance with local and national regulations.

Dust should be sealed in an appropriate bag or container and disposed of as hazardous waste.

14. TRANSPORT INFORMATION

UN Number: Non assigned

ADR / RID: Not classified

IMDG / IMO: Not classified

IATE / ICAO: Not classified

15. REGULATORY INFORMATION

Labelling information: Non required

R Phrases: N/A

S Phrases: N/A

16. OTHER INFORMATION

MSDS Data revised 10th October 2006

MSDS Data reviewed 9th November 2018

Prepared by Wienerberger Limited – Health, Safety & Environment Department

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the aforementioned date.

Sandtoft Roof Tiles Limited accepts no liability arising out of the use of the information provided or the use, application or processing of the product(s) described herein.