

Ceramic Health and Safety Data Sheet

Products

Woven ceramic tape, packings, cloth and rope lagging produced from ceramic fibres with either glass filament or nickel / chrome wire reinforcement.

Composition

The products are manufactured from

| | |
|--|-----------|
| Al ₂ O ₃ Alumina | 43% - 47% |
| SiO ₂ Silica | 53% - 57% |

Melting Point 1760°C

Chemical Properties

Alkalis: Good resistance to dilute alkalis at normal temperature but attacked by strong alkalis.

Acids: Good resistance to most common acids but attacked by hydrofluoric & phosphoric acid.

Storage and Handling
Waste Disposal

Keep Dry
Normal land fill

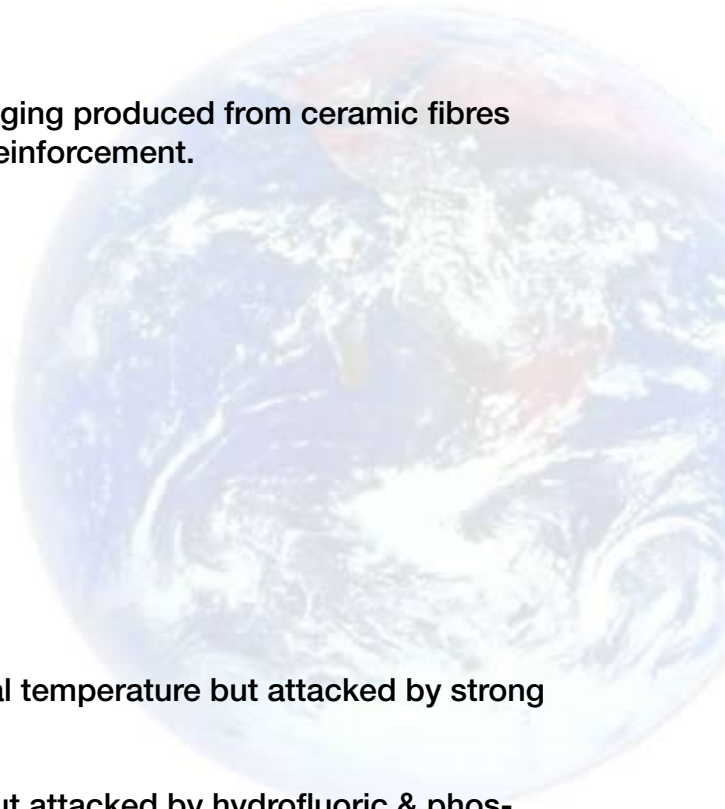
Action in case of spillage - Collect large pieces and vacuum up dust as necessary

Fire extinguishing media
Fire & explosion hazard
Flash Point °C (Method of determination)

Non applicable
Not applicable
Not applicable

Maximum Exposure Limits

MEL for man mineral fibres is 5mg / m
OEL for crystalline silica is 0.15mg/m total. Inhalable dust; 0.05mg/n respirable dust
(Applicable only to products fired above 1000°C for long periods.)



Preventative Measures

Avoid generating dust by rough handling. Where dust generation cannot be avoided use exhaust ventilation or wear respirators to maintain the respirable dust level below 5mg/m.

Personal Protective Equipment

Do not wear tight collars or cuffs that will increase skin irritation.

First Aid

| | |
|---------------------|-------------------------------|
| Inhalation | Remove from contact |
| Skin Contact | Wash skin with soap and water |
| Eye Contact | Irrigate eye thoroughly |
| Ingestion | Drink plenty of water |

Miscellaneous Information

Although products can be used up to 1260°C, where tensile strength is important, glass filament reinforced products should be 850°C only and nickel chrome wire reinforced products 1100°C. Where tensile strength is not important they may be used up to 1260°C. If exposed to continuous heat recommended temperature 600°C (glass rein), 900°C (wire rein).

Potential Health Hazard

These products have an organic binder which will burn out on first firing, producing some acrid fumes; during this period adequate ventilation should be provided. Long term exposure to mists or dust may cause tissue response in the lung. This product as manufactured is a silicate glass which can transform upon heating at temperatures over 1000°C to cristobalite (a crystalline form of silica). Repeated inhalation of respirable free crystalline silica dust may cause silicosis, an irreversible lung injury. When removing materials which have been used over 1000°C, then maximum exposure level for crystalline silica must not be exceeded.