

SAFETY DATA SHEET

Code: Tarmac 17 - Issue: 2

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1 Identification of Substance & Company

MORTARS, RENDERS & SCREEDS

Company

Tarmac Limited
Millfields Road
Ettingshall
Wolverhampton WV4 6JP
Telephone: 01902 353522
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2 Composition / Information on Ingredients

A mortar or render is composed of:

- A cementitious material. (This may be cement or a mixture of cement with pulverised fuel ash or ground granulated blastfurnace slag or silica fume and/or lime).
- Fine aggregate.
- Water.
- Admixtures or additives may be added to improve the properties of the fresh or hardened material. Pigments may be added to colour the product.
- A lime sand mortar may be supplied. This is a mixture of lime and sand to which admixtures may be added. The cement is added on site.

The components vary in concentration according to the required properties of the product.

The resultant mixture is abrasive and alkaline.

3 Hazards Identification

Skin

Contact with mixes containing cementitious material such as mortars, renders and screeds can cause skin disease.

Irritant contact dermatitis is caused by the combination of the wetness, alkalinity and abrasiveness of the cementitious mixture.

Allergic contact dermatitis may be caused by individual sensitivity to chromium compounds which may occur in cement.

Cement burns, a form of skin ulceration, may result from contact with freshly mixed mortars, renders and screeds.

Eyes

Fresh material can cause irritation, inflammation or burns on contact with eyes.

Ingestion

The Swallowing of small amounts of fresh mortars, renders and screeds or cementitious materials is unlikely to cause any significant reaction. Larger amounts can cause irritation of the stomach and intestines.

4 First Aid Measures

Summary of First Aid Procedures

In all cases of doubt, or where symptoms persist, medical advice should be obtained.

Inhalation

Not applicable.

Skin Contact

Where skin contact occurs with fresh mortars, renders and screeds, either directly or through saturated clothing, the material must be washed off immediately with soap and water.

Where material enters boots or gloves or saturates clothing, the article should be removed immediately and washed before further use.

Eye Contact

Immediately and thoroughly irrigate with water.

Ingestion

Wash out mouth and drink plenty of water. do not induce vomiting. Seek medical advice if a large amount is swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media

Not applicable.

Unsuitable Extinguishing Media

Not applicable.

Special Exposure Hazards in Fire

None.

Special Protective Equipment for Fire Fighters

None.

6 Accidental Release Measures

Personal Precautions

No special requirements.

Environmental Precautions

Entry into watercourses should be avoided.

Methods for Cleaning

No special requirements.

7 Handling and Storage

Handling

Skin contact should be avoided. The mixture is abrasive and highly alkaline.

Storage

The hardening process of mortars, renders and screeds can be delayed by the addition of additives and or admixtures, extending the period during which the precautions given in this data sheet should continue to be taken and during which access by unauthorised persons should be prevented.

<p>8 Exposure Controls / Personal Protection</p> <p>Take measures to Prevent Direct skin contact with fresh mortars, renders and screeds should be avoided. It is also important not to kneel or sit on the material as harmful contact can occur through saturated clothing.</p> <p>The surface treatment and cutting of hardened mortars, renders and screeds can create dust which may contain quartz. If inhaled in excessive quantities over an extended period, respirable dust containing quartz can constitute a long term health hazard.</p> <p>Exposure Control Limits / Source</p> <table> <tr> <td>Total Dust:</td> <td>O.E.S. 10mg/m³ 8 Hours T.W.A.</td> </tr> <tr> <td>Respirable Dust:</td> <td>O.E.S. 4mg/m³ 8 Hours T.W.A.</td> </tr> <tr> <td>Respirable Quartz: Crystalline Silica SiO₂</td> <td>M.E.L. 0.3mg/m³ 8 Hours T.W.A.</td> </tr> </table> <p>O.E.S. = Occupational Exposure Standard M.E.L. = Maximum Exposure Limited T.W.A. = Time Weighted Average</p> <p>Respiratory Protection Suitable respiratory protective equipment.</p> <p>Hand Protection Impervious gloves</p> <p>Skin Protection Long sleeved clothing, full length trousers and impervious boots.</p> <p>Eye Protection Goggles may be required.</p>	Total Dust:	O.E.S. 10mg/m ³ 8 Hours T.W.A.	Respirable Dust:	O.E.S. 4mg/m ³ 8 Hours T.W.A.	Respirable Quartz: Crystalline Silica SiO ₂	M.E.L. 0.3mg/m ³ 8 Hours T.W.A.	<p>12 Ecological Information</p> <p>Possible Effects None.</p> <p>Behaviour Non Hazardous.</p> <p>Environmental Assessment When used and disposed of as intended, no adverse environmental effects are foreseen.</p> <p>13 Disposal Consideration</p> <p>Likely Residues / Waste Product Alkaline slurry. Inert hardened material.</p> <p>Safe Handling of Residues / Waste Product Aggregates are inert but should be disposed of in accordance with local and national legal requirements. See the Environmental Protection Act 1990 "Duty of Care" and other current legislation.</p> <p>14 Transport Information</p> <p>Special Carriage Requirements None.</p> <p>15 Regulatory Information This product is NOT classified as dangerous for transport.</p>																						
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<p>9 Physical and Chemical Properties</p> <table> <tr> <td>Appearance</td> <td>Grey, granular paste</td> </tr> <tr> <td>Odour</td> <td>None</td> </tr> <tr> <td>pH</td> <td>Highly alkaline</td> </tr> <tr> <td>Boiling Point / Range</td> <td>Not determined</td> </tr> <tr> <td>Melting point / Range</td> <td>Not determined</td> </tr> <tr> <td>Flash Point (°C)</td> <td>Not applicable</td> </tr> <tr> <td>Flammability</td> <td>Not applicable</td> </tr> <tr> <td>Auto Flammability</td> <td>Not applicable</td> </tr> <tr> <td>Explosive Properties</td> <td>Not applicable</td> </tr> <tr> <td>Oxidising Properties</td> <td>Not applicable</td> </tr> <tr> <td>Vapour Pressure</td> <td>Not applicable</td> </tr> <tr> <td>Relative Density</td> <td>Above 2.0</td> </tr> <tr> <td>Water Solubility</td> <td>Dependent on rock type</td> </tr> <tr> <td>Fat Solubility</td> <td>Not determined</td> </tr> </table> <p>10 Stability and Reactivity</p> <p>Conditions to Avoid None.</p> <p>Materials to Avoid None.</p> <p>Hazardous Decomposition Products None.</p> <p>11 Toxicological Information</p> <p>Skin contact could result in dermatitis and skin burns or disease. Inhalation of respirable dust from the working of hardened mortars renders and screeds may cause permanent lung damage.</p>	Appearance	Grey, granular paste	Odour	None	pH	Highly alkaline	Boiling Point / Range	Not determined	Melting point / Range	Not determined	Flash Point (°C)	Not applicable	Flammability	Not applicable	Auto Flammability	Not applicable	Explosive Properties	Not applicable	Oxidising Properties	Not applicable	Vapour Pressure	Not applicable	Relative Density	Above 2.0	Water Solubility	Dependent on rock type	Fat Solubility	Not determined	<p>16 Other Information</p> <p>Training Advice Wear and use of PPE</p> <p>Recommended Uses and Applications Industrial and construction applications.</p> <p>Further Information The Safety, Health & Environmental Manager Tarmac Limited Telephone: (01902) 353522</p> <p>Key Data Used to Compile Data Sheet HSE Guidance Note EH40/2000 PPE Regulations 1992 COSHH Regulations 1999 Environmental Protection Act 1990 HSE Crystalline Silica EH59</p> <p>If you have purchased this product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.</p> <p>If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and any of the precautions which should be taken.</p> <p>Further copies of this Safety Data Sheet may be obtained from Tarmac Limited.</p>
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