

SAFETY DATA SHEET
Code: Hills Quarry Products Ltd – Issue 2
Product : Ready-mixed Concrete

1. Identification of Substance & Company: READY-MIXED CONCRETE	
<p>Hills Quarry Products Limited 1st Floor Wiltshire House County Park Business Centre Shrivensham Road Swindon SN1 2NR Tel: 01793 714953 Fax: 01793 486825 Emergency Telephone: 01793 714955</p>	
2. Composition / Information on Ingredients	
<p>Ready-mixed concrete, mortar or screed is a mixture of:</p> <ul style="list-style-type: none"> ▪ A cementitious material. (This may be cement or a mixture of cement with pulverised fuel ash or ground granulated blast furnace slag or silica fume). ▪ Fine and coarse aggregate. ▪ Water. ▪ Admixtures or additives may be added to improve the properties of the fresh or hardened concrete. Pigments may be added to colour the product. <p>The components vary in concentration according to the required properties of the product.</p> <p>The resultant mixture is abrasive and alkaline.</p>	
3. Hazards Identification	
<p>Skin:</p> <p>Eyes:</p> <p>Ingestion:</p>	<p>Contact with wet cement mixes such as wet concrete, mortar or screed can cause skin disease. Irritant contact dermatitis is caused by the combination of the wetness, alkalinity and abrasiveness of the ready-mixed concrete, mortar or screed. 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 concrete, mortar or screed</p> <p>Wet material can cause irritation, inflammation or burns on contact with eyes.</p> <p>The swallowing of small amounts of fresh concrete, mortar or screed is unlikely to cause any significant reaction. Larger amounts can cause irritation of the stomach in intestines.</p>
4. First Aid Measures	
<p>Summary of First Aid Procedures -In all cases of doubt, or where symptoms persist, medical advice should be obtained.</p> <p>Inhalation: Not applicable.</p> <p>Skin Contact: Where skin contact occurs with wet concrete, mortar and screed, either directly or through saturated clothing, the concrete, mortar and screed must be washed off immediately with large amounts of soap and water. Where concrete enters boots or gloves or saturates clothing, the article should be removed immediately and washed before further use.</p> <p>Eye Contact: Immediately and thoroughly irrigate with large amounts water.</p> <p>Ingestion: Wash out mouth and drink plenty of water, do not induce vomiting.</p>	
5. Fire Fighting Measures	
<p>Suitable Extinguishing Media:</p> <p>Unsuitable Extinguishing Media:</p> <p>Special Exposure :</p> <p>Special Protective Equipment for Fire Fighters:</p>	<p>Not applicable</p> <p>Not applicable</p> <p>None</p> <p>None</p>
6. Accidental Release Measures	
<p>Personal Precautions:</p> <p>Environmental Precautions:</p> <p>Methods for Cleaning:</p>	<p>No special requirements.</p> <p>Entry into watercourses and drains should be avoided.</p> <p>No special requirements.</p>
7. Handling and Storage	
<p>Handling:</p> <p>Storage:</p>	<p>Skin contact should be avoided. The mixture is abrasive and highly alkaline.</p> <p>The hardening process of ready-mixed concrete, mortar and screed 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>Take Measures to Prevent Direct skin contact with fresh concrete, mortar or screed 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 concrete, mortar or screed can create dust, which may contain quartz. It inhaled in excessive quantities over an extended period; respirable dust containing quartz can constitute a long-term health hazard.</p>	
Exposure Control Limits / Source	
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>O.E.S. = Occupational Exposure Standard M.E.L. = Maximum Exposure Limited T.W.A. = Time Weighted Average</p>	
Respiratory Protection:	Suitable respiratory protective equipment.
Hand Protection:	Impervious gloves
Skin Protection:	Long sleeved clothing, full-length trousers and impervious boots.
Eye Protection:	Goggles may be required.
9. Physical and Chemical Properties	
Appearance	Grey, granular paste
Odour	None
pH	Highly alkaline (pH 10-15)
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
10. Stability and Reactivity	
Conditions of Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	None
11. Toxicological Information	
Wet Concrete, Mortar/Screed:	<p>Eye Contact: may cause irritation or alkali burns.</p> <p>Skin Contact: may cause alkali burns and acute allergic dermatitis in people sensitised to chromium compounds. Long term exposure may cause irritant contact dermatitis, which can lead to sensitisation of the skin to chromium compounds.</p>
Dry Concrete, Mortar/Screed:	<p>Eye Contact: may cause transient irritation</p> <p>Skin Contact: No harm likely.</p> <p>Inhalation: Inhalation of large quantities of dust may cause lung damage and in extreme cases may lead to premature death.</p> <p>Ingestion: No harm likely.</p>
12. Ecological Information	
Possible Effects:	None
Behaviour:	Non Hazardous
Environmental Assessment:	When used and disposed of as intended, no adverse environmental effects are foreseen.
13. Disposal Consideration	
Likely Residues / Waste Product:	Concrete Slurry Inert hardened material
14. Transport Information	
Classification for conveyance not required	
15. Hazard Label Data	
This product is not classified as dangerous for supply in the U.K	