

L&S Concrete

Health & Safety Product Data Sheet

Product

Ready mixed concrete by volumetric mixer

Application

Ready mixed concrete is designed to enable the user to cast the plastic material into the required shape prior to hardening – this is helped by using volumetric mixers.

Physical & Chemical Characteristics

Ready mixed concrete is a mixture of aggregate, cement and water. Admixtures may be added to enhance either the workable characteristics, or the hardened concrete. The resultant mixture is abrasive and alkaline.

Main Hazards

Contact with wet cement or concrete can cause skin diseases: -

- Irritant contact dermatitis is caused by the combination of the wetness, alkalinity and abrasiveness of the concrete.
- Allergic contact is mainly caused by individual sensitivity to chromium compounds which may occur in cement.
- Cement burns, a form of skin ulceration, may result from freshly mixed concrete.
- The surface treatment and cutting of hardened concrete can create dust containing quartz. If inhaled in excessive quantities over prolonged period's respirable dust containing quartz can constitute a long term health hazard.

Precautions

- Direct skin contact with wet concrete should be avoided. It is also advisable not to sit or kneel on the wet material as harmful contact can occur through saturated clothing.
- Inhalation of concrete dust should be avoided.

Protective Clothing

- Protective clothing should be worn when handling wet concrete, particularly on arms, hands and feet (e.g. long sleeved clothing, gloves, full length trousers and impervious boots).
- Respiratory protective equipment should be worn during the surface treatment or cutting of hardened concrete where dust is generated.

Transportation & Waste Disposal

The carriage of concrete is not subject to hazardous substance conveyance regulations and vehicle labelling is not required. In the event of spillage, entry of material to watercourses should be avoided. Unused hardened concrete is inert but should be disposed of in accordance with local legal requirements.

Emergency Action

- Where skin contact occurs with wet concrete, either directly or through saturated clothing, the concrete must be washed off quickly.
- Where eye contact occurs the area must be immediately and thoroughly irrigated with clean water.
- If symptoms persist seek medical advice.



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Certificate No. FS 561345

