

Ducon Concrete Ltd.

Material Safety Data Sheet - Readymixed Concrete

1. Identification of Product

Readymixed Concrete

Name of Company

Ducon Concrete Ltd.
Ballymaquirk
Kanturk
Co. Cork

Phone 029-56037

Application

Use of Ready Mixed concrete should be in accordance with the relevant National / European codes of practice.

2. Composition of Ingredients

Ready Mixed Concrete is a mixture of natural aggregates, cement and water. Admixtures may be added to modify the properties of the finished product.

3. Hazard Identification

- (a) Fresh concrete contains cement and water with the result that an alkaline solution is produced.

Prolonged skin contact with wet concrete can result in cement burns. The abrasiveness of the constituents can aggravate the effect.

Repeated skin contact with fresh concrete over a period of time may cause irritant contact dermatitis. The abrasiveness of the constituents can aggravate the effect.

Some skins are more sensitive to fresh concrete, and to small amounts of chromate which may be present and can develop allergic contact dermatitis, however this is rare.

Fresh ready mixed concrete exerts pressure both horizontally and vertically. Movement / collapse of formwork / shuttering etc. is therefore possible if such formwork / shuttering etc. and any falsework or ancillary

equipment associated with it, is not properly designed and erected.

Fresh concrete which is not stiff in consistency can support very little weight. Submersions of persons in deep sections of fresh concrete is therefore possible.

- (b) Crushing, drilling cutting or breaking of natural aggregates, unless adequately controlled, can project particles at high velocity, with consequent risk of impact damage and/or injury, particularly to exposed areas of the body and eyes.
- (c) Lifting and manual handling of large size rock can cause injury, and should be handled accordingly.

4. First Aid Measures

First Aid Treatment is as follows:

4.1 Eye Contact

Immediately rinse under running water and seek medical advice.

4.2 Cuts/Abrasions

Cuts/abrasions from natural aggregates should be cleaned and treated, using the normal first-aid method. Wounds must receive prompt medical attention.

In all doubtful cases, medical advice must be obtained.

5. Fire Fighting Measures

Not applicable.

6. Accidental Release Measures

- 6.1 Avoid contact with skin.

- 6.2 Take up product using appropriate equipment.

7. Handling & Storage

7.1 Avoid contact with eyes and skin.

7.2 Before lifting always size up the load. Always follow safe lifting and manual handling procedures.

7.3 The preferred method of handling is by mechanical means. Where storage of material is necessary in public areas or areas accessed by the public, adequate notices, signs and markings should be used.

8. Exposure Controls/Personal Protection

8.1 Hand Protection:

Wear suitable protective gloves.

8.2 Skin Protection

Avoid contact with skin.

8.3 Eye Protection

Wear goggles to prevent eye contact with flying particles, when crushing, drilling, cutting or breaking natural aggregates.

8.4 Masks

Wear appropriate respiratory protection when crushing, drilling, cutting or breaking natural aggregates.

8.5 Footwear

Wear footwear with protective toecaps when working with natural aggregates.

9. Physical & Chemical Properties

Natural aggregates are abrasive.

10. Stability & Reactivity

Not applicable

11. Toxicological Information

No risks on observance of safety instructions at **6**, **7** and **8** above.

12. Ecological Information

Natural aggregates have no ecological effects.

13. Disposal Considerations

Natural aggregates may be recycled or placed in approved licensed landfill site.

14. Transport Information

Ensure security and safety of load at all times.

15. Regulatory Information

Not applicable.

16. Other Information

None.