

SAFETY DATA SHEET



1. Identification of material/product and of company

Name of product: CRC Binder, CRC JointCast Binder

Applications: Castable materials for wear resistant, hard and impervious coatings, linings and castings.

Manufacturer: CRC Technology • Østermarken 119 • DK-9320 Hjallerup • Denmark • Phone: +45 96473010 • Fax: +45 96473009

E-mail: info@crc-tech.dk • Internet: www.crc-tech.com

2. Composition/information on ingredients

Ingredient	CAS number	Content %	Hazard Classification
Portland Cement	65997-15-1	0-97	Xi, R37/38-41

3. Hazards

People: Dust can irritate the throat and cause coughing. Frequent inhaling of dust over very long periods may cause lung diseases. Dust or splashes from the products when mixed with water may cause permanent eye diseases. Dust can irritate wet skin. Long contact with wet concrete/products when mixed with water may cause cauterization of the skin.

Environment: The product is not expected to cause risk of damaging effects in the environment. Mixed with water the product hardens to a solid substance which is not biological decomposable.

4. First aid

After inhaling: The person affected should be moved into fresh air and kept calm under observation. If necessary, seek help in the emergency room taking this data sheet with you.

After skin contact: Remove any contaminated clothing and rinse the skin thoroughly with water.

After eye contact: Rinse immediately with plenty of water for at least 15 minutes. Remove any contact lenses and open the eyes wide. In case of continued irritation, continue rinsing during transport to the emergency room. Bring these instructions with you.

After swallowing: Rinse the mouth immediately and drink plenty of liquid, preferably milk. Keep the person concerned under observation. Do not provoke vomiting. If there is vomiting, keep the head low. Bring the person concerned to the emergency room immediately. Bring these instructions with you.

5. Fire-fighting

Appliances: No special requirements. Fire-fighting appliances are to be chosen with due regard to any other chemicals present.

Special risks: Extinguishing water that has been in contact with the product can be caustic.

Protective equipment for extinguishing personnel: If risk of contact with the extinguishing water use chemical resistant protective suits.

6. Special precautions in case of accidental spillage

Personal safety precautions: Avoid inhaling dust, lengthy contact with skin and contact with eyes.

Environmental protection: Densit® products should not be disposed of in nature but be collected and delivered in accordance with arrangements made with the local authorities.

Cleaning up: Spilt material should be removed with a vacuum cleaner. Avoid spreading dust.

7. Handling and storage

Handling: Avoid spreading dust.

Storage: Should be stored in a closed original packing. Densit® products must be kept in a dry place, out of the reach of children.

8. Exposure control/personal protection

Workplace facilities: Easy access to plenty of water and to eye baths.

Limit values: Mineral dust, inert: 10 mg/m³. Ref. Danish Factory Inspectorate instruction 3.1.0.2. Respirable dust, inert: 5 mg/m³.

Personal protection: In dusty conditions, protective mask with particle filter (min. P2) to be used. Use rubber safety gloves and, where there is a risk of the whirling up of dust or splashing with Densit® mix, use goggles/face screen.

Other: On completion of work and before a work break, wash hands thoroughly and apply moisturizing cream. After work, remove dirty clothing and wash the skin thoroughly with soap and water.

9. Physical and chemical characteristics

Appearance: Form: Powder Smell: None

pH value: About 13 (product dissolved in water).

10. Stability and reactivity

Stability: Stable.

Circumstances/materials to be avoided: The products set on contact with water and moisture.

Dangerous breakdown products: None.

11. Toxicological information

Inhalation: Dust may irritate respiratory passages and cause throat irritation and coughing.

Skin contact: Dust will irritate moist skin. Contact with the product when mixed with water may cause cauterization.

Eye contact: Dust or splashing from products when mixed with water involves the risk of serious eye injury.

Swallowing: Swallowing could cause extreme irritation of the mouth, throat and gastrointestinal canal.

Long-term effects: Frequent inhalation of dust over a long period may cause serious lung disease.

12. Environmental information

Mobility: Immobile. **Degradability:** Is not degradable.

Ecotoxicity: The product is not expected to cause any risk for damaging effects in the environment.

Bio-accumulation potential: Not bioaccumulatable.

13. Disposal

Large quantities of waste are to be delivered in accordance with arrangements made with the local authorities.

14. Transport information

Regarded as safe for transport purposes.

15. Information on regulation

Danish special rules: Instruct the user very carefully regarding the execution of the job, the dangerous properties of the product and the necessary security preparations.

National regulations: The Ministry of the Environment's regulation No. 329 of May 16, 2002 regarding classification, packing, marking, sale and storage of chemical materials and products. Occupational Ministry's regulation No. 559 of July 4, 2002 regarding special obligations for manufacturers, suppliers and importers etc. of materials according to the health and safety at work act. The Danish Working Environment Service's regulation No. 292 of April 26, 2001 regarding working with materials. The Danish Working Environment Service's guidance C.0.1. October, 2002: Limit values for materials. The Commission's decision 2000/532/EC as changed at decision 2001/118/EC regarding preparation of a list of rubbish and dangerous rubbish according to the Commission's directive 75/442/EEC regarding rubbish and directive 91/689/EEC regarding dangerous rubbish, with changes.



Classification and marking in accordance with regulation no. 829 of the Danish Ministry of the Environment. When mixing with water calcium hydroxide is formed which can have a corrosive effect on the skin and to the eyes.

Irritating to respiratory system and skin.
Risk of serious damage to eyes.

Keep out of the reach of children.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Packaging must be stored dry.

(Xi)

16. Other information

The information in this safety data sheet is based on information in our possession on the date for the preparation and have been handed over under on condition that the products are used according to the stated conditions and in accordance with the way of application, specified on the packing or in relevant technical literature. Each other use of the product, e.g. in combination with other products or processes happen on the user's own responsibility.

11.2004