



The Chemical Company

**SAFETY DATA SHEET  
EMACO NANOCRETE R4**

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME	EMACO NANOCRETE R4
APPLICATION	Repair mortar
SUPPLIER	BASF Construction Chemicals UK Limited Albany House Swinton Hall Road Swinton Manchester M274DT +44(0)161 794 7411
CONTACT PERSON	EHSQ Officer
EMERGENCY TELEPHONE	Telephone: 0161 794 7411. If outside normal working hours, please listen to answer machine message for emergency contact numbers.

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
Calcium Oxide	215-138-9	1305-78-8	2 - 5 %	Xi;R41.
Portland cement (Cr-VI < or = 2ppm)	266-043-4	65997-15-1	30 - 40 %	Xi;R41,R36/37/38.

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

Modified sand - cement mixture

**3 HAZARDS IDENTIFICATION**

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

CLASSIFICATION Xi;R37/38, R41.

**4 FIRST-AID MEASURES**

GENERAL INFORMATION

This product contains cement. Cement produces an alkaline reaction with moisture or gauging water and therefore splashes of mortar, slurry or gauging water may cause skin irritation and/or caustic burns to mucous membranes (e. g. eyes). Avoid contact with eyes and prolonged skin contact.

INHALATION

Fresh air. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Wash the skin immediately with soap and water.

EYE CONTACT

Important! Immediately rinse with water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**5 FIRE-FIGHTING MEASURES**

EXTINGUISHING MEDIA

The product is non-combustible.

PROTECTIVE MEASURES IN FIRE

No special measures required.

**6 ACCIDENTAL RELEASE MEASURES**

**EMACO NANOCRETE R4****PERSONAL PRECAUTIONS**

Avoid inhalation of dust.

**ENVIRONMENTAL PRECAUTIONS**

No special measures required.

**SPILL CLEAN UP METHODS**

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid spread of dust.

**STORAGE PRECAUTIONS**

No specific storage precautions noted.

**STORAGE CLASS**

Water reactive storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****INGREDIENT COMMENTS**

MAK: Lower toxic limit for cement 5 mg/m<sup>3</sup>. OES-LTEL: 4 R / 10 l mg/m<sup>3</sup>. Otherwise the product contains no relevant quantities of substances with workplace-related limit values.

**ENGINEERING MEASURES**

Not relevant.

**RESPIRATORY EQUIPMENT**

Wear respirator if there is dust formation.

**HAND PROTECTION**

Nitrile impregnated cotton-gloves. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**EYE PROTECTION**

Wear goggles/face shield.

**OTHER PROTECTION**

The usual precautionary measures when handling chemicals should be adhered to. The product contains < 2 ppm Cr VI.

**HYGIENE MEASURES**

When using do not eat, drink or smoke. Wash hands after handling. Use appropriate skin cream to prevent drying of skin.

**SKIN PROTECTION**

Protection suit must be worn.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Powder, dust		
COLOUR	Grey		
ODOUR	Almost odourless		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	not applicable	MELTING POINT (°C)	not determined
pH-VALUE, DILUTED SOLUTION	12 - 13	FLASH POINT (°C)	not applicable
SOLUBILITY VALUE (g/100g H <sub>2</sub> O@20°C)	< 0,2		

**10 STABILITY AND REACTIVITY****STABILITY**

Stable when stored in a dry place.

**HAZARDOUS DECOMPOSITION PRODUCTS**

No hazardous decomposition products.

**11 TOXICOLOGICAL INFORMATION**

**EMACO NANOCRETE R4****GENERAL INFORMATION**

When used and handled according to specifications, the product does not have any harmful effects in our experience and according to the information provided to us. The product does not contain asbestos or any other mineral fibres or inhalable fine quartz dust hazardous to health and causing silicosis. The product is chlorine-free and contains no formaldehyde.

**INHALATION**

Irritating to respiratory system.

**SKIN CONTACT**

Irritating to skin.

**EYE CONTACT**

Risk of serious damage to eyes.

**HEALTH WARNINGS**

The product is reduced in chromate (contains < 2 ppm Cr VI). Within the indicated storage time sensitization is not expected.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Do not allow product to reach ground water, water bodies or sewage system. No ecological studies are available. Harmful effects on man and environment are unknown and are not to be expected when application is in accordance with the instructions and the advice in this Safety Data Sheet. When handled properly and used as intended the product has no ecotoxic effects on the basis of our significant experience in ready-to-use cement mortars and chemical building materials and the information available to us.

**WATER HAZARD CLASSIFICATION**

WGK 1

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Waste is classified as special waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Smaller quantities can be disposed of with household waste.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**WASTE CLASS**

EWC: 01 04 07 wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15 REGULATORY INFORMATION****LABELLING**

Irritant

**CONTAINS**

Portland cement (Cr-VI < or = 2ppm)

**RISK PHRASES**

R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.

**SAFETY PHRASES**

S2 Keep out of the reach of children  
S22 Do not breathe dust.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S46 If swallowed, seek medical advice immediately and show this container or label.

## EMACO NANOCRETE R4

### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EEC.

## 16 OTHER INFORMATION

### GENERAL INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

REVISION DATE 22/09/06

### RISK PHRASES IN FULL

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.