

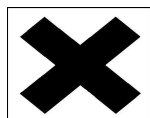
Material Safety Data Sheet

According to 2001/58/EC

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EMACO NANOCRETE AP



Harmful

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

Product Name	EMACO® NANOCRETE AP
Recommended use	Anticorrosive mortar / primer
Manufacturer / Distributor	Degussa Construction Chemicals Belgium NV Industrieterrein Ravenshout 3711, Nijverheidsweg 89, B-3945 Ham, Belgium Tel : +32 11 34 04 10 - Fax : +32 11 40 29 33 E-mail : mbt.be@degussa.com - Website: www.degussa-cc.be
Emergency information	Belgium: Tel: +32 11 34 04 10 The Netherlands: Tel: +31 162 47 66 60

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristics	Sand, cement, dry powder.
Hazardous components	
Portland cement (Cr-VI < or = 2 ppm)	Conc: 45 - 60 % - EINECS: 266-043-4 - CAS: 65997-15-1 - Xi - R36/37/38, R41
Sodium nitrite (III)	Conc: 2 - 3 % - EINECS: 231-555-9 - CAS: 7632-00-0 - N O T - R22, R25, R50

3. HAZARDS IDENTIFICATION

Risks	R22 - Harmful if swallowed. R36/37/38 - Irritating to eyes, respiratory system and skin. R41 - Risk of serious damage to eyes.
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4. FIRST AID MEASURES

Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin contact	Remove and wash contaminated clothes. Wash carefully with plenty of water and soap. Get medical attention if irritation persists.
Inhalation	Remove affected person to fresh air. In case of breathing difficulty or distress, get medical attention.
Ingestion	If accidentally swallowed drink plenty of water and obtain medical attention. Do not induce vomiting. Point out the high alkalinity of cement.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, foam, carbon dioxide, dry powder
Extinguishing media which must not be used for safety reasons	Water jet

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Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

None known

Protective equipment

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid inhalation of dust.

Environmental precautions

Avoid contact with skin and eyes.

Methods for cleaning up

Do not discharge into drains and sewers because of high alkalinity.

Collect in a container and re-use.

Soak up with sand or other suitable material and dispose as per 13.

Clean contaminated surface thoroughly with water.

7. HANDLING AND STORAGE

Handling

Avoid dust formation.

Avoid spilling, skin and eye contact. Observe industrial safety and hygiene practice.

Storage

Keep packaging tightly closed.

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits values

Exposure controls :

Occupational exposure controls

Provide adequate ventilation or air evacuation at workplace.

Environmental exposure controls

See chapter 13.

Personal protection :

Respiratory protection

dust mask

Hand protection

rubber gloves

Eye protection

goggles or face shield

Skin and body protection

apron or light protective clothing

Do not eat, drink or smoke at workplace.

Wash hands before breaks and after finishing work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

powder

Colour

white

Odour

characteristic

Density

not determined

Bulk density

not determined

pH

> 11 at 20 °C

Flash point

not applicable

Autoignition temperature

not determined

Vapour pressure

not determined

Water solubility

miscible

Viscosity

not determined

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Explosion limits :	not determined
- upper	
- lower	
Decomposition temperature	not determined
Boiling point/range	not determined
Other data	Mixing with water results in an alkaline suspension. Simultaneous hardening with emission of hydration heat occurs. low Chromate - Cr-VI < 2 ppm

10. STABILITY AND REACTIVITY

Conditions to avoid	wet and humid areas.
Materials to avoid	Reacts exothermically with strong acids
Hazardous decomposition products	None, under application conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity :	
LD50 oral rat	not determined
LD50 dermal rat	not determined
LD50 dermal rabbit	not determined
LC50 inhalation rat	not determined
Acute effects/symptoms :	Cement and mortar dust irritate eyes and, by prolonged contact, the skin. Mixing with water results in an alkaline suspension that has an irritant effect on eyes and skin.
After eye contact	Irritating to eyes.
After skin contact	Irritating to skin.
After inhalation	Irritating to respiratory system.
After ingestion	
Chronic effects	May cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Do not discharge into drains and sewers because of high alkalinity. Due to its alkalinity, this product is harmful to fish and other aquatic life forms.
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13. DISPOSAL CONSIDERATIONS

Product	Re-use where possible. Dispose according to local regulations for construction materials.
Packaging	Dispose according to local regulations.

14. TRANSPORT INFORMATION

General	This product is not classified as dangerous in the meaning of transport regulations.
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Road transport - ADR
Railway transport - RID
Sea transport - IMDG
Air transport - ICAO/IATA

15. REGULATORY INFORMATION

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Labelling	Xn - Harmful
R-phrase(s)	R22 - Harmful if swallowed. R36/37/38 - Irritating to eyes, respiratory system and skin. R41 - Risk of serious damage to eyes.
S-phrase(s)	S 2 - Keep out of 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. S45 - In case of accident or if you feel unwell, seek medical advice (show label where possible). S46 - If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Further information

Relevant changes

02 - Hazardous components

R-phrases of components

R22 - Harmful if swallowed.
R25 - Toxic if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R41 - Risk of serious damage to eyes.
R50 - Very toxic to aquatic organisms.

Important Note

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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