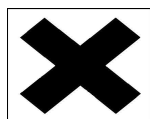


EMACO NANOCRETE AP

Harmful

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

| | |
|----------------------------|--|
| Product Name | EMACO® NANOCRETE AP |
| Recommended use | Anticorrosive mortar / primer |
| Manufacturer / Distributor | BASF 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@basf.com - Website: www.basf-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 - R37/38, R41 |
| Sodium nitrite (I) | Conc: 2 - 3 % - Einecs: 231-555-9 - CAS: 7632-00-0 - Xn - R22 |

3. HAZARDS IDENTIFICATION

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

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 |
| 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. |

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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

Explosion limits :

not determined

- upper

- lower

Decomposition temperature

not determined

Boiling point/range

not determined

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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.

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.

Road transport - ADR

Railway transport - RID

Sea transport - IMDG

Air transport - ICAO/IATA

15. REGULATORY INFORMATION

Labelling

Xn - Harmful

R-phrase(s)

R37/38 - Irritating to 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.

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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.

16. OTHER INFORMATION

Further information

Relevant changes

02 - Hazardous components

03 - Risks

15 - S-phrase(s)

R-phrases of components

R22 - Harmful if swallowed.

R37/38 - Irritating to respiratory system and skin.

R41 - Risk of serious damage to eyes.

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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