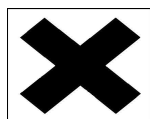


EMACO T420

Irritant

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

Product Name	EMACO® T420
Recommended use	Repair mortar
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

Hazardous components

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

Conc: > 20 % - EINECS: 266-043-4 - CAS: 65997-15-1 - Xi - R36/37/38, R41

Calcium Oxide

Conc: 0.1 - 3 % - EINECS: 215-138-9 - CAS: 1305-78-8 - Xi - R14, R37/38, R41

3. HAZARDS IDENTIFICATION

Risks

R36/37/38 - Irritating to eyes, 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

Wash off immediately with plenty of water. Get medical attention if irritation persists. Remove and wash contaminated clothes.

Inhalation

Remove affected person to fresh air. In case of breathing difficulty or distress, get medical attention.

Ingestion

Consult a physician.

Immediately give large quantities of water to drink.

Consult a physician.

Point out the high alkalinity of cement.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

not applicable

Extinguishing media which must not be used for safety reasons

not applicable

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

Protective equipment

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions	Provide adequate ventilation. Wear suitable protective clothing and dust mask.
Environmental precautions	Do not discharge into drains and sewers because of high alkalinity.
Methods for cleaning up	Collect in a container and re-use. Soak up with sand or other suitable material and dispose as per 13.

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. Protect against frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits values	TLV-TWA: 10 mg/m ³ OES-LTEL: 4 R / 10 I mg/m ³ MAK : 4 mg/m ³ MAC-TGG 8 h : 10 mg/m ³ GWBB - 8 h : 10 mg/m ³
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 (filter St)
Hand protection	rubber gloves
Eye protection	goggles or face shield
Skin and body protection	apron or light protective clothing Wash hands before breaks and after finishing work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	granulate
Colour	grey
Odour	odourless
Density	2.2 kg/l
Bulk density	not applicable
pH	> 12 met 100 g/l H ₂ O at 20 °C
Flash point	not applicable
Autoignition temperature	not applicable
Vapour pressure	not applicable
Water solubility	slightly soluble , miscible
Viscosity	not applicable
Explosion limits :	
- upper	not applicable
- lower	not applicable
Decomposition temperature	not applicable

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Boiling point/range

not applicable

Other data

Mixing with water results in an alkaline suspension. Simultaneous hardening with emission of hydration heat occurs.

10. STABILITY AND REACTIVITY

Conditions to avoid

wet and humid areas.

Materials to avoid

Reacts strongly with oxidants. / acids

Hazardous decomposition products

water, moisture

None, under application conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity :

LD50 oral rat

Acute

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

In contact with water forms alkaline solution. Because of the alkaline character the product is irritating for skin and eyes.

Coughing

Irritating to respiratory system.

Irritating to mucous membranes

After ingestion

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

Chronic effects

May cause sensitisation by inhalation and 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.

Must pass neutralization plant prior to discharge into drains and sewers.

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

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Labelling	Xi - Irritant
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. 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	None
Relevant changes	
R-phrases of components	R14 - Reacts violently with water. R36/37/38 - Irritating to eyes, respiratory system and skin. 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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