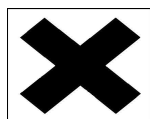


EMACO T320

Irritant

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

Product Name	EMACO® T320
Recommended use	Quick-setting repair mortar
Manufacturer / Distributor	BASF Construction Chemicals UK Ltd Albany House, Swinton Hall Road, Swinton, Manchester, M27 4DT Tel : + 44 161 794 7411 - Fax : + 44 161 727 8547 Website: www.basf-cc.co.uk UK : Tel: + 44 161 794 7411
Emergency information	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristics	Modified sand - cement mixture
Hazardous components	
Portland cement (Cr-VI < or = 2 ppm)	Conc: 20 - 40 % - EINECS: 266-043-4 - CAS: 65997-15-1 - Xi - R36/37/38, R41
Aluminate cement	Conc: 10 - 20 % - EINECS: 266-045-5 - Xi - R36/38, R41
Calcium hydroxide	Conc: 1 - 5 % - EINECS: 215-137-3 - CAS: 1305-62-0 - Xi - R41

3. HAZARDS IDENTIFICATION

Risks	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	Flush with water for at least 15 minutes. Get medical attention.
Skin contact	Remove and wash contaminated clothes. Wash affected area with soap and plenty of water. Get medical attention if irritation persists.
Inhalation	Remove affected person to fresh air. In case of breathing difficulty or distress, get medical attention. Point out the high alkalinity of cement.
Ingestion	If accidentally swallowed drink plenty of water and obtain medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Foam, water mist, 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
Protective equipment	Wear self-contained breathing apparatus and protective suit.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with skin and eyes.

Environmental precautions

Avoid dust formation.

Methods for cleaning up

Do not discharge product into drains and sewers.

Collect mechanically and dispose as per 13.

7. HANDLING AND STORAGE

Handling

Avoid dust formation.

Do not inhale dust.

Storage

Store away from wet and humid areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits values

not applicable

Exposure controls :

Occupational exposure controls

not applicable

Environmental exposure controls

not applicable

Personal protection :

Respiratory protection

dust mask

Hand protection

protective gloves

Eye protection

goggles

Skin and body protection

tightly closed work clothes

Wash hands before breaks and after finishing work.

Do not eat, drink or smoke at workplace.

Store separate from food and food containers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

powder

Colour

grey

Odour

odourless

Density

not determined

Bulk density

not applicable

pH

> 11 at 20 °C

Flash point

not applicable

Autoignition temperature

not applicable

Vapour pressure

not applicable

Water solubility

miscible

Viscosity

not applicable

Explosion limits :

- upper

not applicable

- lower

not applicable

Decomposition temperature

not applicable

Boiling point/range

not applicable

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

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Conditions to avoid

wet and humid areas.

Materials to avoid

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

Inhalation of cement dust may cause irritation of the respiratory tracts.

After ingestion

not determined

Chronic effects

None known

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.

Discharge only after neutralisation.

13. DISPOSAL CONSIDERATIONS

Product

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

Xi - Irritant

R-phrases)

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

R41 - Risk of serious damage to eyes.

S-phrases)

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.

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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

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

R36/38 - Irritating to eyes 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.
