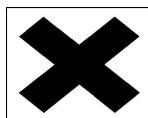


MASTERTOP 200

Irritant

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

Product Name	MASTERTOP® 200
Recommended use	Surface hardener
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	Mixture of cement and iron
Hazardous components	
Portland cement (Cr-VI < or = 2 ppm)	Conc: > 20 % - Einesc: 266-043-4 - CAS: 65997-15-1 - Xi - R36/37/38, R41
Sodium nitrite (I)	Conc: 0,1 - 1 % - Einesc: 231-555-9 - CAS: 7632-00-0 - Xn - R22

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	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin contact	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 you feel unwell, seek medical advice (show the label where possible). Point out the high alkalinity of cement. Drink plenty of water. Do not induce vomiting.

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	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. 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. Store away from wet and humid areas. Avoid contact with acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits values	TLV-TWA: 10 mg/m ³ OES-LTEL: 4 R / 10 I mg/m ³ MAK: 5 E/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.
Personel protection :	
Respiratory protection	dust mask
Hand protection	rubber gloves
Eye protection	goggles or face shield
Skin and body protection	apron or light protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	granulate
Colour	various colours + natural colour grey
Odour	odourless
Density	2,9 g/cm ³ at 20 °C
Bulk density	not determined
pH	> 12 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	Store away from wet and humid areas. Avoid contact with acids and bases.
Hazardous decomposition products	Reacts exothermically with strong acids . Develops hydrogen gas/vapours

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. Irritating to mucous membranes
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.
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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	

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15. REGULATORY INFORMATION

Labelling

Xi - Irritant

R-phrase(s)

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.

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.

R36/37/38 - Irritating to eyes, 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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