

Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 07.08.2009

Version: 1.0

Product: **MASTERTOP 230**

(30346801/SDS_GEN_EU/EN)

Date of print 18.02.2010

1. Substance/preparation and company identification

MASTERTOP 230

Use: Product for construction chemicals

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Construction Chemicals

Telephone: +49 621 60-74354

Telefax number: +49 621 60-6674354

E-mail address: info.construction-chemicals@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Hazard identification

Possible Hazards

Irritating to respiratory system and skin.

Risk of serious damage to eyes.

3. Composition/information on ingredients

Chemical nature

modified cement mortar

Hazardous ingredients

according to Directive 1999/45/EC

sodium nitrite

Content (W/W): $\geq 0.1\%$ - $< 0.25\%$

CAS Number: 7632-00-0

EC-Number: 231-555-9

INDEX-Number: 007-010-00-4

Hazard symbol(s): O, T, N

R-phrases(s): 8, 25, 50

Cement, portland, < 2 ppm Cr VI

Content (W/W): $\geq 20\%$ - $\leq 40\%$

CAS Number: 65997-15-1

EC-Number: 266-043-4

Hazard symbol(s): Xi

R-phrases(s): 37/38, 41

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

5. Fire-Fighting Measures

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

No special precautions necessary.

Methods for cleaning up or taking up:

Sweep/shovel up.

7. Handling and Storage

Handling

Avoid dust formation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

No special precautions necessary.

Storage

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

8. Exposure controls and personal protection

Components with workplace control parameters

7632-00-0: sodium nitrite (Content (W/W): $\geq 0.1\%$ - $< 0.25\%$)

65997-15-1: Cement, portland, chemicals (Content (W/W): $\geq 20\%$ - $\leq 40\%$)

The substance mentioned is contained only in traces in the product.

50-00-0: formaldehyde

The substance mentioned is contained only in traces in the product.

14808-60-7: Quartz (SiO₂)

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

nitrile coated cotton gloves (e.g. EN 388, 374)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure., light protective clothing

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form: granules
Colour: various colours
Odour: odourless

pH value: > 12
(20 °C)

Flash point: not applicable

Self ignition: not self-igniting

Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Density: 2.9 g/cm³
(20 °C)

Solubility in water: miscible

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Hazardous reactions:
The product is stable if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Experimental/calculated data:
LD50 (oral): > 5,000 mg/kg
No systemic toxicity

Irritation

Experimental/calculated data:
Skin corrosion/irritation: Irritant.

Serious eyes damages/irritation: Irritant.

Carcinogenicity

Assessment of carcinogenicity:
The whole of the information available provides no indication of a carcinogenic effect.

12. Ecological Information

Persistence and degradability

Elimination information:
Non-biodegradable.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control. Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants. Do not release untreated into natural waters.

13. Disposal Considerations

Observe national and local legal requirements.
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:
Completely emptied packagings can be given for recycling.

14. Transport Information

Land transport

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

Inland waterway transport

ADNR

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Regulations of the European union (Labelling) / National legislation/Regulations

Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)

Xi

Irritant.

R-phrase(s)

R37/38

Irritating to respiratory system and skin.

R41

Risk of serious damage to eyes.

S-phrase(s)

S2	Keep out of the 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.
S37/39	Wear suitable gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.

The product is classified and labelled in accordance with EC Directives.

Other regulations

16. Other Information

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

O	Oxidizing.
T	Toxic.
N	Dangerous for the environment.
Xi	Irritant.
8	Contact with combustible material may cause fire.
25	Toxic if swallowed.
50	Very toxic to aquatic organisms.
37/38	Irritating to respiratory system and skin.
41	Risk of serious damage to eyes.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.