

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 15.12.2008

Product: **MASTERSEAL 540 PART B**

Version: 1.0

(30366734/SDS\_GEN\_SG/EN)

Date of print 13.03.2010

## 1. Substance/preparation and company identification

### MASTERSEAL 540 PART B

Use: Product for construction chemicals

#### Company:

BASF South East Asia Pte Ltd.

7 Temasek Boulevard,

#35-01 Suntec Tower One, 038987, SINGAPORE

Telephone: +65 6 337-0330

Telefax number: +65 6 334-0330

E-mail address: tommy.chng@basf.com

#### Emergency information:

International emergency number:

Telephone: +49 180 2273-112

## 2. Composition/information on ingredients

### Chemical nature

modified cement mortar

### Hazardous ingredients

EB auxiliary data; Template for tox/ecotox. data; Cement &lt;2 ppm Cr VI

Content (W/W):  $\geq 25\%$  -  $\leq 50\%$ 

CAS Number: 65997-15-1

EC-Number: 266-043-4

Hazard symbol(s): Xi

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

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

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### 3. Hazard identification

Irritating to respiratory system and skin.  
Risk of serious damage to eyes.  
After continuous contact with the skin, sensitization cannot be excluded.

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### 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.

Note to physician:  
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-fighting measures

Suitable extinguishing media:  
foam, water spray, dry extinguishing media, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:  
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 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:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

Avoid raising dust.

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## 7. Handling and storage

### Handling

Avoid dust formation. 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:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Keep away from sources of ignition - No smoking. Dust can form an explosive mixture with air.

### Storage

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

Protect from temperatures below: 5 °C

Protect from temperatures above: 35 °C

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## 8. Exposure controls and personal protection

### 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:**

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other  
 Manufacturer's directions for use should be observed because of great diversity of types.

**Eye protection:**

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

**Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**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).

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## 9. Physical and chemical properties

Form:	powder
Colour:	grey
Odour:	odourless
pH value:	11 - 13 (approx. 20 °C) (as a dispersion)
:	not applicable
Flammability:	not self-igniting
Lower explosion limit:	not available
Upper explosion limit:	not available
Self-ignition temperature:	not self-igniting
Solubility in water:	miscible
Hygroscopy:	hygroscopic

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## 10. Stability and reactivity

**Conditions to avoid:**

See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as

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prescribed/indicated.

Substances to avoid:  
strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No data available.

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

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## 11. Toxicological information

### Acute toxicity

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

### Irritation

Primary skin irritation: Irritant.

Primary irritations of the mucous membrane: Risk of serious damage to eyes.

### Carcinogenicity

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

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## 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.

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## 13. Disposal considerations

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

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

## 14. Transport information

### Domestic transport:

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)

#### EEC Directives:

#### Hazard symbol(s)

Xi Irritant.

#### R-phrases(s)

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

#### S-phrases(s)

S2 Keep out of the reach of children.

S22 Do not breathe dust.

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.

S24/25 Avoid contact with skin and eyes.

### Other regulations

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## 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 2:

Xi	Irritant.
37/38	Irritating to respiratory system and skin.
41	Risk of serious damage to eyes.

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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.