

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 23.06.2017

Product: **MasterSeal M 790 grey PART A**

Version: 1.0

(30672836/SDS\_GEN\_AU/EN)

Date of print 24.06.2017

## 1. Substance/preparation and manufacturer/supplier identification

### MasterSeal M 790 grey PART A

Use: Product for construction chemicals

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 1

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Specific target organ toxicity — repeated exposure (Kidney): Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:

**Danger****Hazard Statement:**

Causes serious eye damage. Causes skin irritation. May cause respiratory irritation. May cause damage to organs (Kidney) through prolonged or repeated exposure.

**Precautionary Statements (Prevention):**

Wear protective gloves and eye/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust/gas/mist/vapours. Wash with plenty of water and soap thoroughly after handling.

**Precautionary Statements (Response):**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.

**Precautionary Statements (Storage):**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Precautionary Statements (Disposal):**

Dispose of contents/container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

**Chemical nature**

Preparation based on: polyetherpolyol

**Hazardous ingredients****Calcium dihydroxide**

Content (W/W): >= 25 % - < 50 %	Skin Corr./Irrit.: Cat. 2
CAS Number: 1305-62-0	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)

**ethyleneglycol**

Content (W/W): >= 15 % - < 20 %	Acute Tox.: Cat. 4 (oral)
CAS Number: 107-21-1	STOT RE (Kidney): Cat. 2

**Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics**

Content (W/W): >= 1 % - < 3 %	Asp. Tox.: Cat. 1
CAS Number: 64741-65-7	Flam. Liq.: Cat. 3
	Aquatic Chronic: Cat. 2

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## 4. First-Aid Measures

### General advice:

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

### If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek 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:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting.

### Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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 powder, carbon dioxide

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

carbon oxides

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. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do

not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

### Personal precautions:

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. 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 inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

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## 7. Handling and Storage

### Handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

### 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethyleneglycol, 107-21-1;

CLV 100 mg/m<sup>3</sup> (ACGIHTLV), aerosol

TWA value 52 mg/m<sup>3</sup> ; 20 ppm (AU NOEL)

Skin Designation (AU NOEL)

The substance can be absorbed through the skin.

TWA value 10 mg/m<sup>3</sup> (AU NOEL)

STEL value 104 mg/m<sup>3</sup> ; 40 ppm (AU NOEL)

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Particulate

Skin Designation (OEL (AU)), vapour

The substance can be absorbed through the skin.

Skin Designation (OEL (AU)), Particulate

The substance can be absorbed through the skin.

STEL value 104 mg/m<sup>3</sup> ; 40 ppm (OEL (AU)), vapour

TWA value 52 mg/m<sup>3</sup> ; 20 ppm (OEL (AU)), vapour

Calcium dihydroxide, 1305-62-0;  
TWA value 5 mg/m<sup>3</sup> (ACGIHTLV)  
TWA value 5 mg/m<sup>3</sup> (AU NOEL)  
TWA value 5 mg/m<sup>3</sup> (OEL (AU))

Titanium dioxide, 13463-67-7;  
TWA value 10 mg/m<sup>3</sup> (ACGIHTLV)  
TWA value 10 mg/m<sup>3</sup> (AU NOEL), Inhalable dust  
This value is for inhalable dust containing no asbestos and < 1% crystalline silica.  
TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

#### Personal protective equipment

##### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

##### 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) etc. Manufacturer's directions for use should be observed because of great diversity of types.

##### Eye protection:

Safety glasses with side-shields (frame 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:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. 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: liquid  
Colour: grey  
Odour: characteristic

Melting point: not determined

Boiling point: not determined

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Flash point: approx. 100 °C

Flammability (solid/gas): not highly flammable  
Lower explosion limit:  
As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

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

Self ignition: not self-igniting

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

Vapour pressure:  
The product has not been tested.

Density: approx. 1.27 g/cm<sup>3</sup>  
(approx. 20 °C)

Solubility in water: partly soluble  
Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, dynamic:  
not determined

**Other Information:**

If necessary, information on other physical and chemical parameters is indicated in this section.

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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 prescribed/indicated.

**Substances to avoid:**

strong acids, strong bases, strong oxidizing agents, strong reducing agents

**Hazardous reactions:**

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

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

**Assessment of acute toxicity:**

Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met.

**Irritation****Assessment of irritating effects:**

Skin contact causes irritation. May cause severe damage to the eyes.

**Respiratory/Skin sensitization****Assessment of sensitization:**

Based on available Data, the classification criteria are not met.

**Germ cell mutagenicity****Assessment of mutagenicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Carcinogenicity****Assessment of carcinogenicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Reproductive toxicity****Assessment of reproduction toxicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Developmental toxicity****Assessment of teratogenicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Specific target organ toxicity (single exposure):****Assessment of STOT single:**

Causes temporary irritation of the respiratory tract.

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)****Assessment of repeated dose toxicity:**

Repeated exposure may affect certain organs.

**Aspiration hazard**

No aspiration hazard expected.

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### Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

The polymer component of the product is poorly biodegradable.

### Bioaccumulation potential

Assessment bioaccumulation potential:

Discharge into the environment must be avoided.

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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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.

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## 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

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6

**Registration status:**

AICS, AU

released / listed

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## 16. Other Information

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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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.