

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 16.10.2017  
Product: **MasterSeal 345**

Version: 1.2

(30684947/SDS\_GEN\_AU/EN)

Date of print 17.10.2017

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

### MasterSeal 345

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:  
Serious eye damage/eye irritation: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Danger

Hazard Statement:

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H318 Causes serious eye damage.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

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.

### 3. Composition/information on ingredients

#### Chemical nature

Preparation based on: mineral blend

#### Hazardous ingredients

calcium oxide

Content (W/W):  $\geq 3\%$  -  $< 7\%$

CAS Number: 1305-78-8

Skin Corr./Irrit.: Cat. 2

Eye Dam./Irrit.: Cat. 1

STOT SE: Cat. 3 (irr. to respiratory syst.)

### 4. First-Aid Measures

General advice:

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

If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air, 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.

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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 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. 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 dust. Wear eye/face protection. 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 contaminated material as prescribed.  
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. Wear suitable protective clothing and eye/face protection. Avoid inhalation of dusts/mists/vapours. 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

Suitable materials for containers: Paper/Fibreboard, High density polyethylene (HDPE)  
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.

Storage stability:

Storage temperature: 5 - 30 °C

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

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## 8. Exposure controls and personal protection

Components with occupational exposure limits

calcium oxide, 1305-78-8;

TWA value 2 mg/m<sup>3</sup> (ACGIHTLV)

TWA value 2 mg/m<sup>3</sup> (AU NOEL)

TWA value 2 mg/m<sup>3</sup> (OEL (AU))

Limestone, 1317-65-3;

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

Kaolin, 1332-58-7;

TWA value 2 mg/m<sup>3</sup> (ACGIHTLV), Respirable fraction

The value is for particulate matter containing no asbestos and <1% crystalline silica.

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

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.

Silicon dioxide, 7631-86-9;

TWA value 2 mg/m<sup>3</sup> (AU NOEL), Respirable dust  
amorphous silica

TWA value 2 mg/m<sup>3</sup> (AU NOEL), Respirable dust

TWA value 2 mg/m<sup>3</sup> (OEL (AU)), Respirable fraction

Calcium sulphate, 7778-18-9;

TWA value 10 mg/m<sup>3</sup> (ACGIHTLV), Inhalable fraction

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

talc, 14807-96-6;

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TWA value 2 mg/m<sup>3</sup> (ACGIHTLV), Respirable fraction  
The value is for particulate matter containing no asbestos and <1% crystalline silica.  
TWA value 2.5 mg/m<sup>3</sup> (AU NOEL)  
TWA value 2.5 mg/m<sup>3</sup> (OEL (AU))

#### 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:

Wear chemical resistant protective gloves.  
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 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 inhalation of dusts. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid exposure - obtain special instructions before use. 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:	white to grey
Odour:	odourless
pH value:	11 - 12.5 (20 °C)
Boiling point:	not applicable
Flash point:	Study technically not feasible.
Flammability (solid/gas):	not flammable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.

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Self ignition:	not self-igniting
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Bulk density:	495 - 675 kg/m <sup>3</sup> (20 °C)
Solubility in water:	partly soluble
Miscibility with water:	(20 °C) immiscible
Hygroscopy:	Non-hygroscopic
Solids content:	100 %

**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:**

No substances known that should be avoided.

Corrosion to metals: No corrosive effect on metal.

**Hazardous reactions:**

No hazardous reactions 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:

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):**

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

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

### **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



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**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): Not Scheduled

### **Registration status:**

AICS, AU                      released / listed

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## 16. Other Information

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.