

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : MasterSeal 583 GREY

Product code : 000000000050268615 000000000050268615

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Product for construction chemicals

#### 1.3 Details of the supplier of the safety data sheet

Company : BASF PLC  
Clarendon Street  
SK8 0PF Cheadle Hulme

Telephone : +441614856222

Telefax : +441614860891

E-mail address of person responsible for the SDS : [mabas-eb@mbcc-group.com](mailto:mabas-eb@mbcc-group.com)

#### 1.4 Emergency telephone

ChemTel: +1-813-248-0585

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin corrosion/irritation, 2  
Serious eye damage/eye irritation, 1  
Specific target organ toxicity - single exposure, 3, respiratory tract irritation

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

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Precautionary Statements : P102 Keep out of reach of children.

### Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P261 Avoid breathing dust.

P264 Wash face, hands and any exposed skin thoroughly after handling.

### 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.

P315 Get immediate medical advice/ attention.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

### Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

### Hazardous ingredients which must be listed on the label:

Cement, portland, chemicals

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : modified cement mortar

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Cement, portland, chemicals	65997-15-1 266-043-4	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	< 50

For explanation of abbreviations see section 16.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
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### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- |                         |   |   |
|-------------------------|---|---|
| General advice          | : | First aid personnel should pay attention to their own safety.<br>Remove contaminated clothing.  |
| If inhaled              | : | After inhalation of dust.<br>Keep patient calm, remove to fresh air.<br>If difficulties occur:<br>Seek medical attention.   |
| In case of skin contact | : | After contact with skin, wash immediately with plenty of water and soap.<br>Under no circumstances should organic solvent be used.<br>If irritation develops, seek medical attention. |
| In case of eye contact  | : | Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.   |
| If swallowed            | : | Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.<br>Do not induce vomiting unless told to by a poison control center or doctor.                    |

#### 4.2 Most important symptoms and effects, both acute and delayed

None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- |                                |   |  |
|--------------------------------|---|--|
| Suitable extinguishing media   | : | Foam<br>Water spray<br>Dry powder<br>Carbon dioxide (CO <sub>2</sub> )<br>Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are sufficient. |
| Unsuitable extinguishing media | : | water jet  |

#### 5.2 Special hazards arising from the substance or mixture

- |                                       |   |  |
|---------------------------------------|---|--|
| Specific hazards during fire fighting | : | Product is not combustible or explosive.<br>No particular hazards known. |
|---------------------------------------|---|--|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

### 5.3 Advice for firefighters

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

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- 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.

### 6.2 Environmental precautions

- Environmental precautions : Do not discharge into drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Sweep/shovel up.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe 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 de-canted without local exhaust ventilation.
- Advice on protection against fire and explosion : No special precautions necessary.
- Hygiene measures : 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

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). Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

### 7.2 Conditions for safe storage, including any incompatibilities

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

### 7.3 Specific end use(s)

Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Limestone	1317-65-3	TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40
		TWA value (Respirable dust)	4 mg/m <sup>3</sup>	WEL/EH 40 (UK)
		TWA value (Inhalable dust)	10 mg/m <sup>3</sup>	WEL/EH 40 (UK)
		TWA value (Respirable)	4 mg/m <sup>3</sup>	WEL/EH 40 (UK)
		TWA value (Inhalable)	10 mg/m <sup>3</sup>	WEL/EH 40 (UK)
Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O)	13397-24-5	TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40
		TWA value (Respirable dust)	4 mg/m <sup>3</sup>	WEL/EH 40 (UK)
		TWA value (Inhalable dust)	10 mg/m <sup>3</sup>	WEL/EH 40 (UK)
Quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable dust)	0,1 mg/m <sup>3</sup>	2004/37/EC
Further information: Carcinogens or mutagens				
		TWA (Respirable dust)	0,1 mg/m <sup>3</sup> (Silica)	GB EH40
		TWA value (Respirable)	0,1 mg/m <sup>3</sup>	WEL/EH 40 (UK)
		TWA value (Respirable fraction and dust or fume)	0,1 mg/m <sup>3</sup>	Directive 2004/37/EC

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version 1.0      Revision Date: 20.07.2020      SDS Number: 000000262191      Date of last issue: -  
Date of first issue: 20.07.2020

Cement, portland, chemicals	65997-15-1	TWA (inhalable dust)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable dust)	4 mg/m <sup>3</sup>	GB EH40
		TWA value (Respirable dust)	4 mg/m <sup>3</sup>	WEL/EH 40 (UK)
		TWA value (Inhalable dust)	10 mg/m <sup>3</sup>	WEL/EH 40 (UK)

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)  
Hand protection

Remarks : nitrile coated cotton gloves (e.g. EN 388, 374)  
Skin and body protection : Body protection must be chosen based on level of activity and exposure.  
light protective clothing  
Respiratory protection : Breathing protection if dusts are formed.  
Filter type : Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2) (Particle filter EN 143 P2 or FFP2)  
Protective 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : powder  
Color : gray  
Odor : odorless  
Odor Threshold : Not determined due to potential health hazard by inhalation.  
  
pH : approx. 12 - 13 (20 °C)  
(as aqueous suspension)  
  
Melting temperature : > 1.000 °C No data available  
  
boiling temperature : Study scientifically not justified.  
  
Flash point : No data available  
  
Evaporation rate : The product is a non-volatile solid.  
  
Vapor pressure : No data available  
  
Relative vapor density : The product is a non-volatile solid.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

Bulk density	:	approx. 1.800 - 2.400 kg/m <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	dispersible (20 °C)
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Explosive properties	:	Not explosive Not explosive
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.

### 9.2 Other information

Self-heating substances	:	No data available
Metal corrosion rate	:	Corrosive effects to metal are not anticipated.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	The product is stable if stored and handled as prescribed/indicated.
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### 10.4 Conditions to avoid

Conditions to avoid	:	See SDS section 7 - Handling and storage.
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### 10.5 Incompatible materials

Materials to avoid	:	Strong bases Strong acids
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### 10.6 Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

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### **Skin corrosion/irritation**

Causes skin irritation.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

#### **Product:**

Remarks : Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-life is unlikely.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT-single exposure**

May cause respiratory tract irritation.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Product:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: Not applicable for inorganic substances.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: The product will not be readily bioavailable due to its consistency and insolubility in water.

#### Components:

##### **Cement, portland, chemicals:**

Partition coefficient: n-octanol/water : GLP: no  
Remarks: not applicable

### 12.4 Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.  
The substance will not evaporate into the atmosphere from the water surface.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

#### Product:

Additional ecological information : 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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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Observe national and local legal requirements.  
Residues should be disposed of in the same manner as the

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

substance/product.

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

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU)  
no

#### 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.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

#### 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

### SECTION 16: Other information

#### Full text of H-Statements

H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H335	: May cause respiratory irritation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

### Full text of other abbreviations

Eye Dam.	: Serious eye damage
Skin Irrit.	: Skin irritation
STOT SE	: Specific target organ toxicity - single exposure
2004/37/EC	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
Directive 2004/37/EC	: Council Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
WEL/EH 40 (UK)	: EH40 Occupational Exposure Limit (UK)
2004/37/EC / TWA	: Long term exposure limit
Directive 2004/37/EC / TWA	: Time Weighted Average (TWA):
value	
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
WEL/EH 40 (UK) / TWA value	: Time Weighted Average (TWA):
ue	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



We create chemistry

## MasterSeal 583 GREY

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	20.07.2020	000000262191	Date of first issue: 20.07.2020

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### Further information

The information provided in this Safety Data Sheet 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 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 materials or in any process, unless specified in the text.

GB / EN