

# GHS Safety Data Sheet



Commercial Product Name: FIS SB 390/585/1500 S  
Mortar (Component A)

Revision Date: 14.06.2023

Replaces version from: 03.05.2018

Version: 3.1/en

Print date: 14.06.2023

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

### 1.1 Product identifier

**Commercial Product Name** FIS SB 390/585/1500 S Mortar (Component A)

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

**Relevant identified uses** composite mortar

**Recommended restrictions** None under normal processing. Observe technical data sheet.

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

**Company designation** fischerwerke GmbH & Co. KG  
Klaus-Fischer-Straße 1  
D-72178 Waldachtal  
Telephone: +49(0)7443 12-0  
FAX: +49(0)7443 12-4222  
Email: [info-sdb@fischer.de](mailto:info-sdb@fischer.de)

**Marketer** AnchorMark Pty.Ltd.  
Unit 1, 61 Waterview Close  
Dandenong South VIC 3175, Australia  
Telephone: +61 (0) 3 97992096  
FAX: +61 (0) 3 97992696  
Email: [info@anchormark.com.au](mailto:info@anchormark.com.au)

### 1.4 Emergency telephone number

**Emergency telephone number** FOR FIRST AID ADVICE CALL A POISONS  
INFORMATION CENTRE PHONE 13 11 26  
THIS NUMBER IS FOR USE IN AUSTRALIA ONLY

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to GHS** Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1;  
H317 STOT SE 3; H335

## 2.2 Label elements

### Hazard pictogram



GHS05



GHS07

### Signal word

Danger

### Hazardous component(s) to be indicated on label

portland cement, 2-hydroxypropyl methacrylate

### H-statement(s)

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

### P-statement(s)

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

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

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/doctor.

## 2.3 Other hazards

### Health hazard

None known.

### Particular information pertaining specific risk for human / environment

None known.

### Indication of danger

None known.

### Hazard precautions

None known.

### SECTION 3: Composition/information on ingredients

#### Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
portland cement	65997-15-1	Skin Irrit. 2;H315 Eye Dam. 1; H318 STOT SE 3;H335	25.0 - 50.0 % by weight
2-hydroxypropyl methacrylate	27813-02-1	Skin Sens. 1; H317 Eye Irrit. 2; H319	2.5 - 10.0 % by weight

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician. Remove/Take off immediately all contaminated clothing.
<b>If inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>In case of skin contact</b>	IF ON SKIN: Gently wash with plenty of soap and water.
<b>In case of eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>If swallowed</b>	If swallowed, seek medical advice immediately and show this container or label. Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

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

**Symptoms** None known.

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

**Immediate medical attention** No data available

**Special medical treatment** No data available

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Carbon dioxide (CO2)  
Dry powder  
Foam  
Water spray jet

**Extinguishing media which must not be used for safety** High volume water jet

reasons

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

**Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases** Heating or fire can release toxic gas.

## **5.3 Advice for firefighters**

**Special protective equipment for firefighting** In the event of fire, wear self-contained breathing apparatus.  
In the event of fire and/or explosion do not breathe fumes.

**Additional information on firefighting** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Keep containers and surroundings cool with water spray.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** Ensure adequate ventilation, especially in confined areas.  
Keep people away from and upwind of spill/leak.

### **6.2 Environmental precautions**

**Environmental precautions** The product should not be allowed to enter drains, water courses or the soil.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).

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

**Methods for cleaning up** Use mechanical handling equipment.  
Treat recovered material as described in the section "Disposal considerations".

### **6.4 Reference to other sections**

**Reference to other sections** See chapter 8/13

### **6.5 Additional information**

**Other information** Dispose of in accordance with local regulations.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

**Advice on safe handling** None under normal processing.  
Caution: During machining in cured state dust is formed.

**Advice on protection against fire and** No special precautions required.

## **explosion**

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

<b>Storage space and container requirements</b>	Keep containers tightly closed in a cool, well-ventilated place. Store in accordance with local regulations. Keep only in original container.
<b>Hints on storage assembly</b>	Store in accordance with the particular national regulations.
<b>German storage class</b>	10-13 (TRGS 510)

### **7.3 Specific end use(s)**

<b>Specific use(s)</b>	composite mortar Further information: see technical data sheet.
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## **SECTION 8: Exposure controls/personal protection**

### **Ingredients with occupational exposure limits to be monitored**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

<b>Respiratory protection</b>	No personal respiratory protective equipment normally required.
<b>Hand protection</b>	not required under normal use
<b>Suitable material:</b>	butyl-rubber, Chloroprene, Nitrile rubber
<b>Unsuitable material:</b>	PVC disposable gloves
<b>Material thickness:</b>	adjust to application and duration of use
<b>Break through time:</b>	adjust to application and duration of use
<b>Remarks:</b>	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
<b>Reference substance:</b>	Replace when worn.
<b>Eye protection</b>	Tightly fitting safety goggles
<b>Skin and body protection</b>	Wear suitable protective equipment.
<b>Note:</b>	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Smoking, eating and drinking should be prohibited in the application area.
<b>General protective and hygiene measures</b>	Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal

feedingstuffs.  
 Use protective skin cream before handling the product.  
 No special environmental precautions required.

**Information on environmental protection regulations**

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Form</b>	paste
<b>Colour</b>	light grey
<b>Odour</b>	characteristic
<b>Odour threshold</b>	not determined
<b>pH</b>	No data available
<b>Melting point [°C] / Freezing point [°C]</b>	No data available
<b>Boiling point [°C]</b>	no data available
<b>Flash point [°C]</b>	> 100
<b>Evaporation rate [kg/(s*m²)]</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Explosion limits [Vol-% ]</b>	
<b>Lower limit:</b>	not determined
<b>Upper limit:</b>	not determined
<b>Vapour pressure [kPa]</b>	No data available
<b>Vapour density</b>	No data available
<b>Density [g/cm³]</b>	1,7 - 1,8
<b>Temperature:</b>	20 °C
<b>Relative density</b>	No data available
<b>Solubility</b>	No data available
<b>Water solubility [g/l]</b>	not determined
<b>Solubility [g/l]</b>	No data available
<b>Partition coefficient n-octanol /water (log P O/W)</b>	No data available
<b>Autoinflammability</b>	not auto-flammable
<b>Decomposition temperature [°C]</b>	not determined
<b>Viscosity, dynamic [kg/(m*s)]</b>	120 - 160
<b>Temperature:</b>	20 °C

**Explosive properties** Not explosive

**Risk of explosion.** Not explosive

**Oxidising properties** No

## 9.2 Other information

**Relative vapour density (air=1)** not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

**Thermal decomposition** No decomposition if stored and applied as directed.

### 10.2 Chemical stability

**Chemical stability** Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

**Hazardous reactions** No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

**Conditions to avoid** No decomposition if used as directed.

### 10.5 Incompatible materials

**Materials to avoid** Not applicable.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products** No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Hazardous ingredients

##### portland cement

Oral toxicity [mg/kg]	Test criterion	Remarks
> 2000	LD50	literature value

Dermal toxicity [mg/kg]	Test criterion	Test species	Remarks
> 2000	LD50	rabbit	Limit test 2000 mg/kg

Inhalative toxicity [mg/l]	Test criterion	Test species	Note
> 5	LC50	rat	Limit Test 5 g/m <sup>3</sup>

**Sensitization** May cause an allergic skin reaction.

**Carcinogenic effects** Not applicable.

**Mutagenicity** Not applicable.

**Reproduction toxicity** Not applicable.

Caustic effect No data available

Specific effects
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Irritating to respiratory system. (dust)
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## 2-hydroxypropyl methacrylate

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks
> 2000	LD50	rat	OECD 401 Limit Test.

Dermal toxicity [mg/kg]	Test criterion	Test species
> 5000	LD50	rabbit

Inhalative toxicity [mg/l]
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No data available
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Sensitization Hautsensibilisierend.

Carcinogenic effects Not applicable.

Mutagenicity Not applicable.

Reproduction toxicity Not applicable.

Caustic effect none Corrosion

Irritant effect on skin Irritating to skin and mucous membranes

Irritant effect on eyes Irritating to eyes.

## 11.2 Additional information

**Other information** The product itself has not been tested.  
(chapter 11.)

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Hazardous ingredients

##### portland cement

Toxicity to fish [mg/l]	Test criterion
> 100	LC50

Toxicity to daphnia [mg/l]	Test criterion	Test species
> 100	LC50	Daphnia magna (Water flea)

Toxicity to algae [mg/l]	Test criterion
> 100	EC50

Biodegradability Not applicable. (inorganic)



## 2-hydroxypropyl methacrylate

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration
493	LC50	Leuciscus idus (Golden orfe)	DIN 38412	48 h

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method
> 130	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method
345	EC50	Selenastrum capricornutum	72 h	OECD Test Guideline 201

NOEC (daphnia) [mg/l]	Test criterion	Test species	Measuring method	Exposure duration
24,1	NOEC	Daphnia magna (Big water flea).	OECD 202	21 d

Biodegradability Readily biodegradable.

Ready degradability

### 12.2 Persistence and degradability

**Elimination and distribution mechanisms** There is no data available for this product.

**Elimination in purification plant** There is no data available for this product.

### 12.3 Bioaccumulative potential

**Bioaccumulation** There is no data available for this product.

**Bioconcentration factor (BCF)** There is no data available for this product.

### 12.4 Mobility in soil

**Distribution in the environment** There is no data available for this product.

#### Mobility

**Mobility:** There is no data available for this product.

### 12.5 Results of PBT and vPvB assessment

**Results of PBT characteristics determination** This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## 12.6 Other adverse effects

**Further information** The product itself has not been tested.  
**on ecology**

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal considerations** The product should not be allowed to enter drains, water courses or the soil.  
Dispose of waste according to applicable legislation.  
Empty remaining contents.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
14.2 UN proper shipping name		Non dangerous good	Non dangerous good
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
Danger releasing substance	Not applicable.	Not applicable.	Not applicable.

### 14.6 Special precautions for user

**Precautions** not required under normal use

## SECTION 15: Regulatory information

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

**Additional regulations** Not applicable.

## SECTION 16: Other information

Relevant H-phrases H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

Wording of the hazard classes Skin Irrit.: Skin irritation  
Eye Dam.: Serious eye damage

	<p>Skin Sens.: Skin sensitization</p> <p>STOT SE: Specific target organ toxicity - single exposure</p> <p>Eye Irrit.: Serious eye irritation</p>										
Modifications since last version	Modifications of the previous version are denoted with an asterisk (*).										
Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]	<table> <tr> <th>Classification</th><th>Evaluation</th></tr> <tr> <td>Skin Irrit. 2; H315</td><td>Calculated</td></tr> <tr> <td>Eye Dam. 1; H318</td><td>Calculated</td></tr> <tr> <td>Skin Sens. 1; H317</td><td>Calculated</td></tr> <tr> <td>STOT SE 3; H335</td><td>Calculated</td></tr> </table>	Classification	Evaluation	Skin Irrit. 2; H315	Calculated	Eye Dam. 1; H318	Calculated	Skin Sens. 1; H317	Calculated	STOT SE 3; H335	Calculated
Classification	Evaluation										
Skin Irrit. 2; H315	Calculated										
Eye Dam. 1; H318	Calculated										
Skin Sens. 1; H317	Calculated										
STOT SE 3; H335	Calculated										
Recommended restrictions	None under normal processing. Observe technical data sheet.										

# GHS Safety Data Sheet



Commercial Product Name: FIS SB  
390/585/1500 S Curing agent (Component B)

Revision Date: 14.06.2023

Replaces version from: 03.05.2018

Version: 5.1/en

Print date: 14.06.2023

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

### 1.1 Product identifier

**Commercial Product Name** FIS SB 390/585/1500 S Curing agent (Component B)

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

**Relevant identified uses** composite mortar

**Recommended restrictions** None under normal processing. Observe technical data sheet.

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

**Company designation**  
fischerwerke GmbH & Co. KG  
Klaus-Fischer-Straße 1  
D-72178 Waldachtal  
Telephone: +49(0)7443 12-0  
FAX: +49(0)7443 12-4222  
Email: [info-sdb@fischer.de](mailto:info-sdb@fischer.de)

**Marketer**  
AnchorMark Pty.Ltd.  
Unit 1, 61 Waterview Close  
Dandenong South VIC 3175, Australia  
Telephone: +61 (0) 3 97992096  
FAX: +61 (0) 3 97992696  
Email: [info@anchormark.com.au](mailto:info@anchormark.com.au)

### 1.4 Emergency telephone number

**Emergency telephone number** FOR FIRST AID ADVICE CALL A POISONS INFORMATION CENTRE PHONE 13 11 26  
THIS NUMBER IS FOR USE IN AUSTRALIA ONLY

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to GHS** Skin Sens. 1; H317 Aquatic Chronic 2; H411

### 2.2 Label elements

**Hazard pictogram**



GHS07



GHS09

**Signal word**

Warning

**Hazardous component(s)  
to be indicated on label**

dibenzoyl peroxide

**H-statement(s)**

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

**P-statement(s)**

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

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

**2.3 Other hazards**

**Health hazard**

None known.

**Particular information  
pertaining specific risk  
for human / environment**

None known.

**Indication of danger**

None known.

**Hazard precautions**

None known.

**SECTION 3: Composition/information on ingredients**

**Hazardous ingredients**

<b>Ingredient</b>	<b>CAS No.</b>	<b>Classification (EC) 1272/2008</b>	<b>Concentration</b>
ethanediol, ethylene glycol	107-21-1	Acute Tox. 4; H302 STOT RE 2; H373	< 10.0 % by weight
dibenzoyl peroxide	94-36-0	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400	2.5 - 10.0 % by weight

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General advice**

If symptoms persist, call a physician.

Remove/Take off immediately all contaminated clothing.

**If inhaled**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**In case of skin contact**

IF ON SKIN: Gently wash with plenty of soap and water.

**In case of eye contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**If swallowed**

If swallowed, seek medical advice immediately and show this container or label.

Clean mouth with water and drink afterwards plenty of

water. Drink 1 or 2 glasses of water.  
Do NOT induce vomiting.

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

**Symptoms** None known.

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

**Immediate medical attention** No data available

**Special medical treatment** No data available

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media** Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
Water spray jet

**Extinguishing media which must not be used for safety reasons** High volume water jet

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

**Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases** Heating or fire can release toxic gas.

#### **5.3 Advice for firefighters**

**Special protective equipment for firefighting** In the event of fire, wear self-contained breathing apparatus.  
In the event of fire and/or explosion do not breathe fumes.

**Additional information on firefighting** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Keep containers and surroundings cool with water spray.

### **SECTION 6: Accidental release measures**

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

**Personal precautions** Ensure adequate ventilation, especially in confined areas.  
Keep people away from and upwind of spill/leak.

#### **6.2 Environmental precautions**

**Environmental precautions** The product should not be allowed to enter drains, water courses or the soil.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).

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

**Methods for cleaning up** Use mechanical handling equipment.  
Treat recovered material as described in the section "Disposal considerations".

#### **6.4 Reference to other sections**

**Reference to other sections** See chapter 8/13

## 6.5 Additional information

**Other information** Dispose of in accordance with local regulations.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling** None under normal processing.  
Caution: During machining in cured state dust is formed.

**Advice on protection against fire and explosion** No special precautions required.

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

**Storage space and container requirements** Keep containers tightly closed in a cool, well-ventilated place.  
Store in accordance with local regulations.  
Keep only in original container.

**Hints on storage assembly** Store in accordance with the particular national regulations.

**German storage class** 10-13 (TRGS 510)

### 7.3 Specific end use(s)

**Specific use(s)** composite mortar  
Further information: see technical data sheet.

## SECTION 8: Exposure controls/personal protection

### Ingredients with occupational exposure limits to be monitored

**ethanediol, ethylene glycol**

Australia

Note	Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	Long-term exposure value/ ppm	Source
Sk	10				WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS 18.April 2013
Sk	52	40	104	20	WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS 18.April 2013

## Europe

Long-term exposure value/mg/m <sup>3</sup>	Long-term exposure value/ppm	Short-term exposure value / mg/m <sup>3</sup>	Short-term exposure value / ppm	Note	Issuing date	Source
52	20	104	40	Skin	2000/39	DIRECTIVE 2009/161/EU

### Respiratory protection

No personal respiratory protective equipment normally required.

### Hand protection

not required under normal use

#### Suitable material:

butyl-rubber, Chloroprene, Nitrile rubber

#### Unsuitable material:

PVC disposable gloves

#### Material thickness:

adjust to application and duration of use

#### Break through time:

adjust to application and duration of use

#### Remarks:

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

#### Reference substance:

Replace when worn.

### Eye protection

Tightly fitting safety goggles

### Skin and body protection

Wear suitable protective equipment.

#### Note:

Choose body protection according to the amount and concentration of the dangerous substance at the work place. Smoking, eating and drinking should be prohibited in the application area.

### General protective and hygiene measures

Avoid contact with skin, eyes and clothing.

Take off all contaminated clothing immediately.

Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feedingstuffs.

Use protective skin cream before handling the product.

### Information on environmental protection regulations

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Form

paste

#### Colour

black

#### Odour

characteristic

#### Odour threshold

not determined

#### pH

No data available

#### Melting point [°C] /

No data available

#### Freezing point [°C]

#### Boiling point [°C]

no data available



<b>Flash point [°C]</b>	> 100
<b>Evaporation rate [kg/(s*m²)]</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Explosion limits [Vol-% ]</b>	
<b>Lower limit:</b>	not determined
<b>Upper limit:</b>	not determined
<b>Vapour pressure [kPa]</b>	No data available
<b>Density [g/cm³]</b>	1,7 - 1,9
<b>Temperature:</b>	20 °C
<b>Water solubility [g/l]</b>	not determined
<b>Solubility [g/l]</b>	No data available
<b>Partition coefficient n-octanol /water (log P O/W)</b>	No data available
<b>Autoinflammability</b>	not auto-flammable
<b>Decomposition temperature [°C]</b>	not determined
<b>Viscosity, dynamic [kg/(m*s)]</b>	70 - 110
<b>Temperature:</b>	20 °C
<b>Risk of explosion.</b>	Not explosive
<b>9.2 Other information</b>	
<b>Relative vapour density (air=1)</b>	not determined
<b>SECTION 10: Stability and reactivity</b>	
<b>10.1 Reactivity</b>	
<b>Thermal decomposition</b>	No decomposition if stored and applied as directed.
<b>10.2 Chemical stability</b>	
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	
<b>Hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4 Conditions to avoid</b>	
<b>Conditions to avoid</b>	No decomposition if used as directed.
<b>10.5 Incompatible materials</b>	
<b>Materials to avoid</b>	Not applicable.
<b>10.6 Hazardous decomposition products</b>	
<b>Hazardous decomposition products</b>	No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Hazardous ingredients

##### ethanediol, ethylene glycol

Oral toxicity [mg/kg]
Harmful if swallowed.

Dermal toxicity [mg/kg]	Test criterion	Test species
> 3500	LD50	rabbit

Inhalative toxicity [mg/l]	Test criterion	Test species	Exposure duration	Note
> 2,5	LC50	rat	6 h	(as aerosol)

Sensitization not sensitising.

Carcinogenic effects none carcinogenic effects

Mutagenicity Not applicable.

Reproduction toxicity Not applicable.

Caustic effect No data available

##### dibenzoyl peroxide

Oral toxicity [mg/kg]	Test criterion	Test species
> 5000	LD50	rat

Inhalative toxicity [mg/l]	Test criterion	Test species	Note
24300	LC50	rat	(dust)

**Irritant effect on skin** Irritating to skin and mucous membranes

**Irritant effect on eyes** Irritating to eyes.

### 11.2 Additional information

**Other information** The product itself has not been tested.  
(chapter 11.)

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Hazardous ingredients

##### ethanediol, ethylene glycol

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration
72860	LC50	Pimephales promelas (Pimephales promelas (fathead minnow))	96 h

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration
> 100	EC50	Daphnia magna (Water	48 h

		flea)	
Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration
> 6500	EC50	Selenastrum capricornutum	96 h
NOEC (fish) [mg/l]	Test criterion	Test species	Exposure duration
15380	NOEC	Pimephales promelas (fathead minnow)	7 d

Biodegradability 90 - 100 %

Ready degradability

#### **dibenzoyl peroxide**

Toxicity to fish [mg/l]		Test criterion	Exposure duration
0,06		LC50	96 h
Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration
0,11	EC50	Daphnia magna (Water flea)	48 h
Toxicity to algae [mg/l]		Test criterion	Exposure duration
0,06		EC50	72 h

Ready degradability

<b>NOEC (daphnia) [mg/l]</b>	1
<b>Test species:</b>	Daphnia magna (Big water flea).
<b>Measuring method:</b>	OECD 202
<b>Exposure duration:</b>	48 h
<b>NOEC (algae) [mg/l]</b>	0,5
<b>Test species:</b>	Pseudokirchneriella subcapitata
<b>Measuring method:</b>	OECD 201
<b>Exposure duration:</b>	72 h

#### **12.2 Persistence and degradability**

**Elimination and distribution mechanisms** There is no data available for this product.

**Elimination in purification plant** There is no data available for this product.

#### **12.3 Bioaccumulative potential**

**Bioaccumulation** There is no data available for this product.

**Bioconcentration factor (BCF)** There is no data available for this product.

#### **12.4 Mobility in soil**

**Distribution in the** There is no data available for this product.

**environment**

**Mobility**

**Mobility:** There is no data available for this product.

**12.5 Results of PBT and vPvB assessment**

**Results of PBT characteristics determination** This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other adverse effects**

**Further information on ecology** The product should not be allowed to enter drains, water courses or the soil.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Disposal considerations** The product should not be allowed to enter drains, water courses or the soil.  
Dispose of waste according to applicable legislation.  
Empty remaining contents.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	3077	3077	3077
14.2 Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)
14.2 UN proper shipping name		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	Environmentally hazardous substance, solid, n.o.s. (dibenzoyl peroxide)
14.3 Transport hazard class(es)	9	9	9
14.4 Packaging group	III	III	III
14.5 Environmental hazards	U - Environmentally hazardous	U - marine pollutant	U - Environmentally hazardous
Remarks	Not dangerous goods in original packaging (Special Provision 375)	Not dangerous goods in original packaging (Special Provision 969)	Not dangerous goods in original packaging (Special Provision A197)

#### 14.6 Special precautions for user

**Precautions** not required under normal use

#### SECTION 15: Regulatory information

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

**Additional regulations** Not applicable.

#### SECTION 16: Other information

<b>Relevant H-phrases</b>	H241: Heating may cause a fire or explosion. H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H373: May cause damage to organs through prolonged or repeated exposure . H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.
	Skin Sens.: Skin sensitization Aquatic Chronic: Hazardous to the aquatic environment Acute Tox.: Acute toxicity STOT RE: Specific target organ toxicity - repeated exposure Org. Perox.: Organic peroxide Eye Irrit.: Serious eye irritation Aquatic Acute: Hazardous to the aquatic environment
<b>Wording of the hazard classes</b>	
<b>Modifications since last version</b>	Modifications of the previous version are denoted with an asterisk (*).
<b>Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]</b>	
<b>Recommended restrictions</b>	None under normal processing. Observe technical data sheet.