

GHS Safety Data Sheet



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

Revision Date: 03.05.2018

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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

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

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

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
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 (CO₂)
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 ³	Short-term exposure value / ppm	Short-term exposure value / mg/m ³	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/m3	Long-term exposure value/ppm	Short-term exposure value / mg/m3	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] / Freezing point [°C]	No data available
Boiling point [°C]	no data available

Flash point [°C]	> 100
Evaporation rate [kg/(s*m²)]	No data available
Flammability (solid, gas)	No data available
Explosion limits [Vol-%]	
Lower limit:	not determined
Upper limit:	not determined
Vapour pressure [kPa]	No data available
Density [g/cm³]	1,7 - 1,9
Temperature:	20 °C
Water solubility [g/l]	not determined
Solubility [g/l]	No data available
Partition coefficient n-octanol /water (log P O/W)	No data available
Autoinflammability	not auto-flammable
Decomposition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	70 - 110
Temperature:	20 °C
Risk of explosion.	Not explosive
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****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

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

Relevant H-phrases 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

Wording of the hazard classes

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]

Classification	Evaluation
Skin Sens. 1; H317	Calculated
Aquatic Chronic 2; H411	Data obtained by expert judgement.

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