

GHS Safety Data Sheet



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

Revision Date: 03.05.2018

Version: 1.0/en

Replaces version from: 28.01.2015

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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 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

Marketer BLACKS FASTENERS LTD
34 Nga Mahi Road, Sockburn
Christchurch 8042 (postal code) New Zealand
Telephone: 0800 652 463
FAX: 0800 652 464
Email: sockburn@blacksfasteners.co.nz

1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

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

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 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

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.
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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.

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.
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

Form	paste
Colour	light grey
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
Vapour density	No data available
Density [g/cm³]	1,7 - 1,8
Temperature:	20 °C
Relative density	No data available
Solubility	No data available
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)]	120 - 160
Temperature:	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 ³

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

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]

No data available

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 on ecology The product itself has not been tested.

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

Skin Sens.: Skin sensitization
STOT SE: Specific target organ toxicity - single exposure
Eye Irrit.: Serious eye irritation

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 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.