

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: FIS V 360/950 S – Component A (Mortar)

Revision Date: 24.04.2019

Version: 4.1 /en

SFS

Replaces version from: 01.03.2017

Print date: 24.04.2019

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

1.1 Product identifier

Commercial Product Name **FIS V 360/950 S – Component A (Mortar)**

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 SFS unimarket AG – Befestigungstechnik
Rosenbergsaustasse 4
CH-9435 Heerbrugg
Telephone: +41 71 727 52 00
FAX: +41 71 727 58 70
Email: info@sfs.ch
Internet: www.sfs.ch

1.4 Emergency telephone number

Emergency telephone number Toxicological information +41 44 251 66 66 / national emergency number 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317

2.2 Label elements

Hazard pictogram



GHS05



GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label

portland cement, tetramethyldimethacrylat, 2-hydroxypropyl methacrylate

H-statement(s)

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.

P-statement(s)

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

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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		Classification (EC) 1272/2008	Concentration
portland cement	CAS No.: 65997-15-1 EC-No.: 266-043-4 REACH No.: The substance does not require registration according to Regulation (EC) No 1907/2006 [REACH].	Skin Irrit. 2;H315 Eye Dam. 1; H318 STOT SE 3;H335	10.0 – 25.0 % by weight
tetramethyldimethacrylat	CAS No.: 2082-81-7 EC-No.: 218-218-1 REACH No.: 01-2119967415-30	Skin Sens. 1; H317	10.0 – 25.0 % by weight
2-hydroxypropyl methacrylate	CAS No.: 27813-02-1 EC-No.: 248-666-3 REACH No.: 01-2119490226-37	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 exposed or concerned: Get medical advice/attention. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.
If inhaled	IF INHALED: If breathing is difficult, 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	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed	If swallowed, seek medical advice immediately and show this container or label.

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If swallowed, rinse mouth with water (only if the person is conscious).
Let water be drunken in little sips (dilution effect).
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No known symptoms to date.

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)
Extinguishing powder
Foam
Water spray jet

Extinguishing media which must not be used for safety reasons Full 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 Thermal decomposition can lead to the escape of irritating gases and vapours.

5.3 Advice for firefighters

Special protective equipment for firefighting In case of fire: Wear self-contained breathing apparatus.
In case of fire and/or explosion do not breathe fumes.

Additional information on fire-fighting Do not allow water used to extinguish fire to enter drains, ground or waterways.
Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Provide for good room ventilation.
Remove persons to safety.

6.2 Environmental precautions

Environmental precautions Do not allow to enter into surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up Take up mechanically.
Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Reference to other sections See section 8.
Disposal: see section 13

6.5 Additional information

Other information Dispose of waste according to applicable legislation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling No hazardous reaction when handled and stored according to provisions.
Caution: During machining in cured state dust is formed.

Advice on protection against fire and explosion No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

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

Hints on storage assembly To follow: 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

8.1 Control parameters

Portlandzement

Switzerland

Long-term exposure value/ mg/m3	Skin resorption / sensibilisation	Source
5e	S	100

Source: 100 – Company data

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8.2 Exposure controls

Respiratory protection	Usually no personal respirative protection necessary.
Hand protection	not required under normal use
Suitable material:	Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber)
Unsuitable material:	PVC or rubber gloves are not recommended.
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	Wear closely fitting protective glasses in case of splashes.
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.
General protective and hygiene measures	When using do not eat, drink or smoke. Avoid contact with eyes and skin. Take off immediately all contaminated clothing. Wash hands and face before breaks and after work and take a shower if necessary. Keep away from food, drink and animal feedingstuffs. Use protective skin cream before handling the product.
Information on environmental protection regulations	No special environmental measures are necessary.

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

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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 – 1,9
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 relevant
Decomposition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	120 – 140
Temperature:	20 °C
Explosive properties	not relevant
Risk of explosion.	not relevant
Oxidising properties	No

9.2 Other information

Relative vapour density (air=1)	not determined
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SECTION 10: Stability and reactivity

10.1 Reactivity

Thermal decomposition	No hazardous reaction when handled and stored according to provisions.
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10.2 Chemical stability

Chemical stability	Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
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10.3 Possibility of hazardous reactions

Hazardous reactions No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Conditions to avoid The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.5 Incompatible materials

Materials to avoid Not applicable.

10.6 Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazardous ingredients

Portlandzement

Oral toxicity [mg/kg]	Test criterion	Remarks	Source
> 2000	LD50	literature value	100

Source: 100 – Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
> 2000	LD50	rabbit	Limit test 2000 mg/kg	100

Source: 100 – Company data

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Source
> 5	LC50	rat	Limit Test 5 g/m ³	100

Source: 100 – Company data

Irritant effect on skin	Irritant
Irritant effect on eyes	Causes serious eye damage.
Irritant effect on the respiratory tract	Based on available data, the classification criteria are not met.
Sensitization	No sensitization responses were observed.
Carcinogenic effects	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.

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Reproduction toxicity Based on available data, the classification criteria are not met.

Caustic effect Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) [mg/kg]	Specific effects	Source
	Irritating to respiratory system. (dust)	100

Source: 100 – Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Remarks	Source
	Based on available data, the classification criteria are not met.	100

Source: 100 – Company data

Tetramethylen dimethacrylate

Oral toxicity [mg/kg]	Test criterion	Test species	Source
> 2000	LD50	rat	100

Source: 100 – Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
> 3000	LD50	rabbit	100

Source: 100 – Company data

Inhalative toxicity [mg/l]	Source
No data available	100

Source: 100 – Company data

Irritant effect on skin slightly irritant but not relevant for classification.

Irritant effect on eyes slightly irritant but not relevant for classification.

Sensitization Skin sensitizer

Carcinogenic effects Contains no ingredient listed as a carcinogen

Mutagenicity Not applicable.

Reproduction toxicity Not applicable.

Caustic effect Not applicable.

Specific target organ toxicity (single exposure) [mg/kg]	Specific effects	Source
	none	100

Source: 100 – Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Specific effects	Source
	none	100

Source: 100 – Company data

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2-hydroxypropyl methacrylate

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
> 2000	LD50	rat	OECD 401 Limit Test.	100

Source: 100 – Company data

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
> 5000	LD50	rabbit	100

Source: 100 – Company data

Inhalative toxicity [mg/l]	Source
No data available	100

Source: 100 – Company data

Irritant effect on skin	No skin irritation
Measuring method	OECD Test Guideline 404
Irritant effect on eyes	irritating
Measuring method	OECD 405
Sensitization	Skin sensitizer
Carcinogenic effects	Not applicable.
Mutagenicity	Not applicable.
Remarks	OECD 471 (Ames Test) / OECD 476.
Reproduction toxicity	Not applicable.
Remarks	OECD 422
Caustic effect	Not applicable.

Specific target organ toxicity (single exposure) [mg/kg]	Remarks	Source
	Not applicable.	100

Source: 100 – Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Remarks	Source
	Not applicable.	100

Source: 100 – Company data

11.2 Additional information

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

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SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

Portlandzement

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

Source: 100 – Company data

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

Source: 100 – Company data

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

Source: 100 – Company data

Tetramethylen dimethacrylate

Toxicity to fish [mg/l]	Test criterion	Measuring method	Exposure duration	Source
32,5	LC50	DIN 38412	48 h	100

Source: 100 – Company data

Toxicity to algae [mg/l]	Test criterion	Test species	Measuring method	Source
9,79	EC50	Scenedesmus capricornutum (fresh water algae)	OECD Test Guideline 201	100

Source: 100 – Company data

NOEC (daphnia) [mg/l]	Test species	Measuring method	Source
7,51	Daphnia magna (Big water flea)	OECD 211	100

Source: 100 – Company data

2-hydroxypropyl methacrylate

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
493	LC50	Leuciscus idus (Golden orfe)	DIN 38412	48 h	100

Source: 100 – Company data

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
> 130	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202	100

Source: 100 – Company data

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Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
> 97,2	EC50	Selenastrum capricornutum	72 h	OECD Test Guide–line 201	100

Source: 100 – Company data

NOEC (daphnia) [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
24,1	NOEC	Daphnia magna (Big water flea)	OECD 202	21 d	100

Source: 100 – Company data

Ready degradability

12.2 Persistence and degradability

Elimination and distribution mechanisms The product has not been tested.

Elimination in purification plant The product has not been tested.

12.3 Bioaccumulative potential

Bioaccumulation The product has not been tested.

Bioconcentration factor (BCF) The product has not been tested.

12.4 Mobility in soil

Distribution in the environment No data available

Mobility

Mobility: No data available

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

12.6 Other adverse effects

Further information on ecology There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations Do not allow to enter into surface water or drains.
Dispose of waste according to applicable legislation.
Empty remaining contents.

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Waste Code

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

The following Waste Codes are only suggestions:

Product (Mortar and Curing agent)

200127 – paint, inks, adhesives and resins containing dangerous substances

080409 – waste adhesives and sealants containing organic solvents or other dangerous substances

cured material and completely squeezed cartridges

200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

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 No special measures are necessary.

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

Transport in bulk according to not applicable

Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

VOC < 1 g/l

Decopaint regulation not relevant

Carcinogenic hazardous substance as per Annex II GefStoffV No

Restriction of occupation. not relevant

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Water Hazard Class (Ger.) 1

Classification in compliance with the Industrial Safety Regulation not relevant

15.2 Chemical safety assessment

Safety assessment not relevant

Chemical safety assessments for substances in this mixture were not carried out.

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

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

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

Modifications of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.

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

1.1 Product identifier

Commercial Product Name **FIS V 360/950 S – Component B (Curing agent)**

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 SFS unimarket AG – Befestigungstechnik
Rosenbergsaustasse 4
CH-9435 Heerbrugg
Telephone: +41 71 727 52 00
FAX: +41 71 727 58 70
Email: info@sfs.ch
Internet: www.sfs.ch

1.4 Emergency telephone number

Emergency telephone number Toxicological information +41 44 251 66 66 / national emergency number 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Eye Irrit. 2; H319 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.
H319: Causes serious eye irritation.
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.

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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		Classification (EC) 1272/2008	Concentration
dibenzoyl peroxide	CAS No.: 94-36-0 EC-No.: 202-327-6 Index-No.: 617-008-00-0 REACH No.: 01-2119511472-50	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400	10.0 – 25.0 % 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

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO2) Dry powder Foam Water spray jet
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Extinguishing media which must not be used for safety reasons	High volume water jet
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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.
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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 fire-fighting	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.
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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).
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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".
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6.4 Reference to other sections

Reference to other sections	See chapter 8/13
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6.5 Additional information

Other information	Dispose of in accordance with local regulations.
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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 re-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

8.1 Control parameters

dibenzoyl peroxide

Switzerland

Long-term exposure value/ mg/m ³	Short-term exposure value / mg/m ³	Remarks	Duration	Source
5e	5e	NIOSHs. Anhang 1.3.5.	15 min	100

Source: 100 – Company data

8.2 Exposure controls

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.

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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.
General protective and hygiene measures	Smoking, eating and drinking should be prohibited in the application area. 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]	1,6 – 1,65
Pressure:	20 °C
Water solubility [g/l]	not determined
Solubility [g/l]	No data available

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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)] 100 – 160

Temperature: 20 °C

Risk of explosion. Not explosive

9.2 Other information

Oxidizing properties Oxidising

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

dibenzoyl peroxide

Oral toxicity [mg/kg]	Test criterion	Test species	Source
> 5000	LD50	Rat	100

Source: 100 – Company data

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Dermal toxicity [mg/kg]	Source
Based on available data, the classification criteria are not met.	100

Source: 100 – Company data

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Source
24300	LC50	rat	(dust)	100

Source: 100 – Company data

Irritant effect on the respiratory tract Based on available data, the classification criteria are not met.

Sensitization Skin sensitizing.

Carcinogenic effects Based on available data, the classification criteria are not met.

Mutagenicity Based on available data, the classification criteria are not met.

Reproduction toxicity Based on available data, the classification criteria are not met.

Caustic effect Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) [mg/kg]	Remarks	Source
	Based on available data, the classification criteria are not met.	100

Source: 100 – Company data

Specific target organ toxicity (repeated exposure) [mg/kg]	Remarks	Source
	Based on available data, the classification criteria are not met.	100

Source: 100 – Company data

Irritant effect on skin Irritating to skin and mucous membranes

Irritant effect on eyes Irritating to eyes.

11.2 Additional information

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

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SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients

dibenzoyl peroxide

Toxicity to fish [mg/l]	Test criterion	Exposure duration	Source
0,06	LC50	96 h	100

Source: 100 – Company data

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
0,11	EC50	Daphnia magna (Big water flea)	48 h	100

Source: 100 – Company data

Toxicity to algae [mg/l]	Test criterion	Exposure duration	Source
0,06	EC50	72 h	100

Source: 100 – Company data

NOEC (daphnia) [mg/l]

Value	Test species	Measuring method	Exposure duration
1	Daphnia magna (Big water flea)	OECD 202	48 h

NOEC (algae) [mg/l]

Value	Test species	Measuring method	Exposure duration
0,5	Pseudokirchneriella sub-capitata	OECD 201	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 environment There is no data available for this product.

Mobility

Mobility: There is no data available for this product.

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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.

Waste Code According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
The following Waste Codes are only suggestions:
Product (Mortar and Curing agent)
200127 – paint, inks, adhesives and resins containing dangerous substances
080409 – waste adhesives and sealants containing organic solvents or other dangerous substances
cured material and completely squeezed cartridges
200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

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.

14.6 Special precautions for user

Precautions not required under normal use

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

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

14.8 Additional information

Other information (chapter 14.) Not dangerous goods in original packaging (Special Provision 375/969/A197)

SECTION 15: Regulatory information

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

VOC < 1 g/l
Restriction of occupation. –
Water Hazard Class (Ger.) 1

15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H-phrases H241: Heating may cause a fire or explosion.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Wording of the hazard classes Eye Irrit.: Serious eye irritation
Skin Sens.: Skin sensitization
Aquatic Chronic: Hazardous to the aquatic environment
Org. Perox.: Organic peroxide
Aquatic Acute: Hazardous to the aquatic environment

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	Evaluation
Eye Irrit. 2; H319	Calculated
Skin Sens. 1; H317	Calculated
Aquatic Chronic 2; H411	Experimental data

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

Modifications of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.