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

1.1 Product identifier

Commercial Product Name	**FIS VS 300 T**
Unique Formulation Identifier (UFI)	M110-801U-R00J-SFE4

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

Relevant identified uses	composite mortar
Recommended restrictions	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 Internet: www.fischer.de
Marketer	Mrs Mirka Valovicova, fischer Fixing (UK) Ltd Hithercroft Road Wallingford, Oxfordshire, OX10 9AT Telephone: +44 01491 827 920 FAX: - Email: technical@fischer.co.uk Internet: www.fischer.co.uk

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 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	tetramethylendimethacrylat , portland cement , 2-hydroxypropyl methacrylate , dibenzoyl peroxide , 2-methylisothiazol-3(2H)-one
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. 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	No information available.
Particular information pertaining specific risk for human / environment	No information available.
Indication of danger	No information available.
Hazard precautions	No information available.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	M- factor	Concentration
tetramethylendimethacrylat	CAS No.: 2082-81-7 EC-No.: 218-218-1 REACH No.: 01-2119967415-30	Skin Sens. 1B;H317		10.0 - 25.0 % by weight
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 - 15.0 % 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
ethanediol	CAS No.: 107-21-1 EC-No.: 203-473-3 Index-No.: 603-027-00-1 REACH No.: 01-2119456816-28	Acute Tox. 4; H302 STOT RE 2; H373		< 2.5 % by weight
dibenzoyl peroxide	CAS No.: 94-36-0 EC-No.: 202-327-6 Index-No.: 617-008-00-0	Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic	acute:10 chronic:10	< 2.5 % by weight

Ingredient	CAS No.	Classification (EC) 1272/2008	M- factor	Concentra-tion
	REACH No.: 01-2119511472-50	Acute 1; H400 Aquatic Chronic 1; H410		
2-methylisothia-zol-3(2H)-one	CAS No.: 2682-20-4 EC-No.: 220-239-6 Index-No.: 613-326-00-9 REACH No.: 01-2120764690-50	Acute Tox. 3; H301 H311 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Sens. 1A; H317 EUH071	acute:10 chronic:1	< 0.01 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
Take off immediately all contaminated clothing.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Wear personal protection equipment (refer to section 8).

If inhaled
Provide fresh air.
In case of respiratory tract irritation, consult a physician.

In case of skin contact
After contact with skin, wash immediately with plenty of water and soap.
Do NOT use solvents or thinners.

In case of eye contact
Remove contact lenses.
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

If swallowed
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
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 information available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention
If unconscious place in recovery position and seek medical advice.

Special medical treatment
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
spray mist, (water), Water spray jet, alcohol resistant foam, carbon dioxide, Extinguishing powder

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	Heating or fire can release toxic gas. Fight fire with normal precautions from a reasonable distance.

5.3 Advice for firefighters

Special protective equipment for firefighting	In case of fire: Wear self-contained breathing apparatus. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).
Additional information on firefighting	Suppress (knock down) gases/vapours/mists with a water spray jet. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	For non-emergency personnel Accidental release measures: Wear personal protection equipment (refer to section 8). Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Environmental precautions	The product should not be allowed to enter drains, water courses or the soil. Prevent spread 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	Allow stiffening. 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	Reference to other sections : 7 / 8 / 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Keep container tightly closed. Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

	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/Store only in original container. Keep container tightly closed and dry. Store in accordance with local regulations.
Unsuitable materials for containers	Keep only in original container.
Hints on storage assembly	Keep away from food, drink and animal feedingstuffs.
German storage class	10-13
Recommended storage temperature	+5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

portland cement

Great Britain		
Long-term exposure value/ mg/m3	**Remarks**	**Source**
10	inhalable dust	Company data
4	respirable dust	Company data

ethanediol

Great Britain						
Long-term exposure value/ ppm	**Long-term exposure value/ mg/m3**	**Short-term exposure value / ppm**	**Short-term exposure value / mg/m3**	**Remarks**	**Note**	**Source**
	10			particulates only	Sk	EH40/2005 Workplace exposure limits (2011)
20	52	40	104	vapour	Sk	EH40/2005 Workplace exposure limits (2011)

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

dibenzoyl peroxide

Great Britain	
Long-term exposure value/ mg/m3	**Source**

5	EH40/2005 Workplace exposure limits (2011)

8.2 Exposure controls

Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Hand protection	Health injuries are not known or expected under normal use. For prolonged or repeated contact use protective gloves.
Suitable material	Protective gloves complying with EN 374. Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), Fluorinated 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).
Note	Replace when worn.
Eye protection	Wear closely fitting protective glasses in case of splashes. Safety glasses with side-shields conforming to EN166
Skin and body protection	Long sleeved clothing
Note	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
General protective and hygiene measures	Do not eat, drink or smoke when using this product. Avoid contact with the skin and the eyes. 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. see section 6/7
Engineering measures	Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Paste
Colour	grey
Odour	characteristic
Odour threshold	not determined

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-%]	
Remarks	No data available
Vapour pressure [kPa]	No data available
Vapour density	No data available
Density [g/cm³]	1,7-1,9
Temperature	23°C
Relative density	No data available
Solubility	No data available
Water solubility [g/l]	No data available
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]	No data available
Viscosity, dynamic [kg/(m*s)]	90-150
Temperature	20°C
Explosive properties	not explosive.
Oxidising properties	No

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	No hazardous reaction when handled and stored according to provisions. No decomposition if stored and applied as directed.

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.

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	Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg]

Hazardous ingredients

tetramethylendimethacrylat			
Value	**Test criterion**	**Test species**	**Source**
>5000	LD50	Rat	Company data

portland cement			
Value	**Test criterion**	**Remarks**	**Source**
> 2000	LD50	literature value	Company data

2-hydroxypropyl methacrylate				
Value	**Test criterion**	**Test species**	**Remarks**	**Source**
> 2000	LD50	rat	OECD 401 Limit Test.	Company data

ethanediol				
Value	**Test criterion**	**Test species**	**Remarks**	**Source**
5840	LD50	Rat	*1)	Company data

*1): Harmonised (legal) classification. Harmful if swallowed.

dibenzoyl peroxide			
Value	**Test criterion**	**Test species**	**Source**
> 5000	LD50	rat	Company data

2-methylisothiazol-3(2H)-one		
Value	**Test criterion**	**Source**
600	LC50	Company data

Dermal toxicity [mg/kg]

Hazardous ingredients

tetramethylendimethacrylat			
Value	**Test criterion**	**Test species**	**Source**

>3000	LD50	Rabbit	Company data

portland cement				
Value	**Test criterion**	**Test species**	**Remarks**	**Source**
> 2000	LD50	rabbit	Limit test 2000 mg/kg	Company data

2-hydroxypropyl methacrylate			
Value	**Test criterion**	**Test species**	**Source**
> 5000	LD50	rabbit	Company data

ethanediol			
Value	**Test criterion**	**Test species**	**Source**
> 3500	LD50	rabbit	Company data

2-methylisothiazol-3(2H)-one		
Value	**Test criterion**	**Source**
> 5000	LD50	Company data

Inhalative toxicity [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

portland cement				
Value	**Test criterion**	**Test species**	**Note**	**Source**
> 5	LC50	rat	Limit Test 5 g/m³	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
No data available	Company data

ethanediol			
Value	**Test criterion**	**Test species**	**Source**
> 5	LC50	rat	Company data

dibenzoyl peroxide			
Value	**Test criterion**	**Test species**	**Source**
> 24300	LC50	rat	Company data

LC50 Inhalation 1h for gases [ppmV]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**

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

LC50 Inhalation 4h for gases [ppmV]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

LC50 Inhalation 1h for vapours [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

LC50 Inhalation 4h for vapours [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

LC50 Inhalation 4h for dusts and sprays [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

LC50 Inhalation 1h for dusts and sprays [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

Irritant effect on skin

Hazardous ingredients

tetramethylendimethacrylat				
Value	**Measuring method**	**Test species**	**Exposure duration**	**Source**
Not an irritant.	FDA 1959	Rabbit	24 h	Company data

portland cement	
Value	**Source**
Irritant	Company data

2-hydroxypropyl methacrylate		
Value	**Measuring method**	**Source**
No skin irritation	OECD Test Guideline 404	Company data

ethanediol	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

Irritant effect on eyes

Hazardous ingredients

tetramethylendimethacrylat			
Value	**Test species**	**Exposure duration**	**Source**
Not an irritant.	Rabbit	24 h	Company data

portland cement	
Value	**Source**
Causes serious eye damage.	Company data

2-hydroxypropyl methacrylate		
Value	**Measuring method**	**Source**
irritating	OECD 405	Company data

ethanediol	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

Irritant effect on the respiratory tract

Hazardous ingredients

tetramethylendimethacrylat			
Value	**Test species**	**Exposure duration**	**Source**
Not an irritant.	Mouse	24 h	Company data

portland cement	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

Sensitization

Hazardous ingredients

tetramethylendimethacrylat			
Value	**Measuring method**	**Test species**	**Source**
Skin sensitisation	OECD 429	Mouse	Company data

portland cement

Value	Source
No sensitization responses were observed.	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
Skin sensitizer	Company data

ethanediol	
Value	**Source**
not sensitising. Based on available data, the classification criteria are not met.	Company data

2-methylisothiazol-3(2H)-one			
Value	**Measuring method**	**Test species**	**Source**
Skin sensitisation	OECD 429	Mouse	Company data

Carcinogenic effects

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

portland cement	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
Not applicable.	Company data

ethanediol	
Value	**Source**
Contains no ingredient listed as a carcinogen	Company data

Mutagenicity

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

portland cement	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

2-hydroxypropyl methacrylate		
Value	**Remarks**	**Source**
Not applicable.	OECD 471 (Ames Test) / OECD 476.	Company data

ethanediol	
Value	**Source**
Not applicable.	Company data

Reproduction toxicity

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

portland cement	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

2-hydroxypropyl methacrylate		
Value	**Remarks**	**Source**
Not applicable.	OECD 422	Company data

ethanediol	
Value	**Source**
Not applicable.	Company data

Caustic effect

Hazardous ingredients

tetramethylendimethacrylat			
Value	**Measuring method**	**Test species**	**Source**
Not an irritant.	FDA 1959	Rabbit	Company data

portland cement	
Value	**Source**
Based on available data, the classification criteria are not met.	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
Not applicable.	Company data

ethanediol	
Value	**Source**
No data available	Company data

Specific target organ toxicity (single exposure) [mg/kg]

Hazardous ingredients

tetramethylendimethacrylat	
Remarks	**Source**
*1)	Company data

*1): Based on available data, the classification criteria are not met.

portland cement	
Specific effects	**Source**
Irritating to respiratory system. (dust)	Company data

2-hydroxypropyl methacrylate	
Remarks	**Source**
Not applicable.	Company data

ethanediol	
Remarks	**Source**
*1)	Company data

*1): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) [mg/kg]

Hazardous ingredients

tetramethylendimethacrylat	
Remarks	**Source**
*1)	Company data

*1): Based on available data, the classification criteria are not met.

portland cement	
Remarks	**Source**
*1)	Company data

*1): Based on available data, the classification criteria are not met.

2-hydroxypropyl methacrylate	
Remarks	**Source**
Not applicable.	Company data

ethanediol			
Route of exposure	**Organs affected**	**Specific effects**	**Source**
Ingestion	Causes damage to kidneys if swallowed.	Causes damage to organs through prolonged or repeated exposure.	Company data
Skin contact	May cause damage to kidneys in contact with skin.	Causes damage to organs through prolonged or repeated exposure.	Company data

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l]

Hazardous ingredients

tetramethylendimethacrylat						
Value	**Test criterion**	**Test species**	**Measuring method**	**Exposure duration**	**Remarks**	**Source**
32,5	LC50:	Leuciscus idus (Golden orfe)	DIN 38412 / part 15	48 h	By analogy.	Company data

portland cement		
Value	**Test criterion**	**Source**
> 100	LC50	Company data

2-hydroxypropyl methacrylate					
Value	**Test criterion**	**Test species**	**Measuring method**	**Exposure duration**	**Source**
493	LC50	Leuciscus idus (Golden orfe)	DIN 38412	48 h	Company data

ethanediol				
Value	**Test criterion**	**Test species**	**Exposure duration**	**Source**
72860	LC50	Pimephales promelas (fathead minnow)	96 h	Company data

dibenzoyl peroxide			
Value	**Test criterion**	**Exposure duration**	**Source**
0,06	LC50	96 h	Company data

2-methylisothiazol-3(2H)-one					
Value	**Test criterion**	**Test species**	**Measuring method**	**Exposure duration**	**Source**
30	LC50	Oncorhynchus mykiss (Rainbow trout)	OECD 203	96 h	Company data

Toxicity to daphnia [mg/l]

Hazardous ingredients

tetramethylendimethacrylat					
Value	**Test criterion**	**Test species**	**Exposure duration**	**Measuring method**	**Source**

7,51	EC10	Daphnia magna (Big water flea)	48 h	OECD 211	Company data

portland cement			
Value	**Test criterion**	**Test species**	**Source**
> 100	LC50	Daphnia magna (Water flea)	Company data

2-hydroxypropyl methacrylate					
Value	**Test criterion**	**Test species**	**Exposure duration**	**Measuring method**	**Source**
> 130	EC50	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202	Company data

ethanediol				
Value	**Test criterion**	**Test species**	**Exposure duration**	**Source**
> 100	EC50	Daphnia magna (Water flea)	48 h	Company data

dibenzoyl peroxide				
Value	**Test criterion**	**Test species**	**Exposure duration**	**Source**
0,11	EC50	Daphnia magna (Big water flea)	48 h	Company data

2-methylisothiazol-3(2H)-one					
Value	**Test criterion**	**Test species**	**Exposure duration**	**Measuring method**	**Source**
8,4	EC50	Daphnia magna (Big water flea)	48 h	OECD 202	Company data

Toxicity to algae [mg/l]

Hazardous ingredients

tetramethylendimethacrylat					
Value	**Test criterion**	**Test species**	**Exposure duration**	**Measuring method**	**Source**
9,78	EC50	Desmodesmus subspicatus	72 h	OECD 201	Company data

portland cement		
Value	**Test criterion**	**Source**
> 100	EC50	Company data

2-hydroxypropyl methacrylate

Value	Test criterion	Test species	Exposure duration	Measuring method	Source
> 97,2	EC50	Selenastrum capricornutum	72 h	OECD Test Guideline 201	Company data

ethanediol				
Value	**Test criterion**	**Test species**	**Exposure duration**	**Source**
> 6500	EC50	Selenastrum capricornutum	96 h	Company data

dibenzoyl peroxide			
Value	**Test criterion**	**Exposure duration**	**Source**
0,06	EC50	72 h	Company data

2-methylisothiazol-3(2H)-one					
Value	**Test criterion**	**Test species**	**Exposure duration**	**Measuring method**	**Source**
0,79	IC50:	Pseudokirchneriella subcapitata	72 h	OECD 201	Company data

NOEC (fish) [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
20	Company data

ethanediol			
Value	**Test criterion**	**Test species**	**Source**
15380	NOEC	Pimephales promelas (fathead minnow)	Company data

2-methylisothiazol-3(2H)-one				
Value	**Test criterion**	**Test species**	**Measuring method**	**Source**
11,9	NOEC	Pimephales promelas (fathead minnow)	OECD 210	Company data

NOEC (daphnia) [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
20	Company data

2-hydroxypropyl methacrylate				
Value	**Test criterion**	**Test species**	**Measuring method**	**Source**

24,1	NOEC	Daphnia magna (Big water flea)	OECD 202	Company data

ethanediol		
Value	**Test criterion**	**Source**
8590	NOEC	Company data

2-methylisothiazol-3(2H)-one				
Value	**Test criterion**	**Test species**	**Measuring method**	**Source**
2,75	NOEC	Daphnia magna (Big water flea)	OECD 211	Company data

NOEC (algae) [mg/l]

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
20	Company data

2-methylisothiazol-3(2H)-one				
Value	**Test criterion**	**Test species**	**Measuring method**	**Source**
0,15	NOEC	Pseudokirchner-iella subcapitata	OECD 201	Company data

12.2 Persistence and degradability

Biodegradability

Hazardous ingredients

tetramethylendimethacrylat	
Remarks	**Source**
*1)	Company data

*1): Readily biodegradable (according to OECD criteria).

portland cement	
Value	**Source**
Not applicable. (inorganic)	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
Readily biodegradable.	Company data

ethanediol		
Remarks	**Value**	**Source**
Readily biodegradable.	90 - 100 %	Company data

2-methylisothiazol-3(2H)-one	
Value	**Source**

Readily biodegradable.	Company data

12.3 Bioaccumulative potential

Bioaccumulation

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.	Company data

portland cement	
Value	**Source**
Not applicable. (inorganic)	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
no data available	Company data

ethanediol	
Value	**Source**
Bioaccumulation is unlikely.	Company data

12.4 Mobility in soil

Mobility

Hazardous ingredients

portland cement	
Value	**Source**
Not applicable. (inorganic)	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
No data available	Company data

ethanediol	
Value	**Source**
Not applicable.	Company data

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

Hazardous ingredients

tetramethylendimethacrylat	
Value	**Source**
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

portland cement	
Value	**Source**
Not applicable.	Company data

2-hydroxypropyl methacrylate	
Value	**Source**
Not applicable.	Company data

ethanediol	
Value	**Source**
Not applicable.	Company data

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.
Empty packaging: Where possible recycling is preferred to disposal or incineration.
Product: Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

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
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.

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.5 Environmental hazards	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 Annex II of MARPOL and the IBC Code: not applicable

SECTION 15: Regulatory information

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

VOC: < 1 g/l / < 0,1 %

Decopaint regulation: not relevant

Carcinogenic hazardous substance as per Annex II GefStoffV: No

Restriction of occupation.: no restriction

15.2 Chemical safety assessment

Safety assessment: For this preparation a chemical safety assessment has been carried out. This safety data sheet contains more than one ES in an integrated form. Contents of the exposure scenarios have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

Additional regulations: This Safety Data Sheet is prepared according to Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 16: Other information

Relevant H-phrases:
H241: Heating may cause a fire or explosion.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure .
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Wording of the hazard classes

Skin Irrit.: Skin irritation
Eye Dam.: Serious eye damage
STOT SE: Specific target organ toxicity - single exposure
Skin Sens.: Skin sensitization
Eye Irrit.: Serious eye irritation
Acute Tox.: Acute toxicity
STOT RE: Specific target organ toxicity - repeated exposure
Aquatic Acute: Hazardous to the aquatic environment
Aquatic Chronic: Hazardous to the aquatic environment

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

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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