

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

### **1.1 Product identifier**

Commercial Product Name      **FIS VT 300 T**

### **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  
Weinhalde 14-18  
D-72178 Waldachtal  
Telephone: +49(0)7443 12-0  
FAX: +49(0)7443 12-4222  
Email: info-sdb@fischer.de

Marketer      Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd, Hithercroft Road, Wallingford, Oxfordshire, OX10 9AT, Tel. 01491 827 920, Fax 01491 827 950

### **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

\*Classification according to Directive 67/548/EEC / 1999/45/EEC      R43 Xi; R41

### **2.2 Label elements**

\*Hazard pictogram



GHS05



GHS07

\*Signal word

Danger

# Material Safety Data Sheet as per regulation (EC)

1907/2006

Commercial Product Name: **FIS VT 300 T**

Revision date: 23.07.2013

Version: 3.1/en

Print date: 24.07.2013



Hazardous component(s) to be indicated on label      portland cement, dibenzoyl peroxide, 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.  
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 or doctor/physician.

## 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 (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
Quartz (SiO <sub>2</sub> )	CAS No.: 14808-60-7 EC-No.: 238-878-4		25.0 – 50.0 % by weight
portland cement	CAS No.: 68475-76-3 65997-15-1 EC-No.: 266-043-4	Xi; R37/38-41 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	10.0 – 25.0 % by weight
dibenzoyl peroxide	CAS No.: 94-36-0 EC-No.: 202-327-6 Index-No.: 617-008-00-0 REACH No.: 01-2119511472-50-xxxx	E; R3 O; R7 Xi; R36 R43 Org. Perox. B; H241 Eye Irrit. 2; H319 Skin Sens. 1; H317	< 2.5 % by weight
2-methoxy-1-methylethyl acetate	CAS No.: 108-65-6 EC-No.: 203-603-9 Index-No.: 607-195-00-7	R10 Flam. Liq. 3; H226	< 2.5 % by weight
ethanediol, ethylene glycol	CAS No.: 107-21-1 EC-No.: 203-473-3 Index-No.: 603-027-00-1 REACH No.: 01-2119456816-28-xxxx, 02-2119752517-33-xxxx	Xn; R22 Acute Tox. 4; H302 STOT RE 2; H373	< 2.5 % by weight
2-hydroxypropyl methacrylate	CAS No.: 27813-02-1 EC-No.: 248-666-3 Index-No.: 607-125-00-5	R43 Xi; R36 Eye Irrit. 2; H319 Skin Sens. 1; H317	< 2.5 % 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.
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### **4.3 Indication of any immediate medical attention and special treatment needed**

Immediate medical attention	No data available
Special medical treatment	No data available

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

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

### 8.1 Control parameters

#### portland cement

Great Britain

Long-term exposure value/ mg/ m3	Remarks	Source
10	inhalable dust	19
4	respirable dust	19

19 – EH40/200 Workplace exposure limits (October 2007)

#### dibenzoyl peroxide

Great Britain

Long-term exposure value/ mg/ m3	Remarks	Source
5	R2, 36, 43	19

19 – EH40/200 Workplace exposure limits (October 2007)

#### 2-methoxy-1-methylethyl acetate

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	Source
50	274	100	548	Sk R10, 36	19

19 – EH40/200 Workplace exposure limits (October 2007)

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
275	50	550	100	Skin	2000/39	24

24 – DIRECTIVE 2009/161/EU

#### ethanediol, ethylene glycol

Great Britain

Long-term exposure value/ mg/m3	Remarks	Long-term exposure value/ ppm	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source
10	particulate, Sk R22				19
52	vapour, Sk, R22	20	40	104	19

19 – EH40/200 Workplace exposure limits (October 2007)

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	24

24 – DIRECTIVE 2009/161/EU

#### DNEL

Value	Target group	Exposure route	Exposure frequency	Source
35 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects	100
106 mg/kg	Workers	dermal	Long term effects	100
7 mg/m <sup>3</sup>	consumer	Inhalation	Long term effects	100
53 mg/kg	consumer	dermal	Long term effects	100

100 – Firmendaten

#### PNEC

Value	Target group	Source
10 mg/l	freshwater	100
1 mg/l	marine water	100
199,5 mg/l	PNEC sewage treatment plant (STP)	100
20,9 mg/kg	PNEC sediment, freshwater	100
1,53 mg/kg	Soil	100

100 – Firmendaten

## 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.
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	grey
Odour	characteristic
Odour threshold	not determined
pH	No data available
Melting point [°C]	No data available
Boiling point [°C]	no data available
Flash point [°C]	> 100 °C
Evaporation rate [kg/(s*m <sup>2</sup> )]	No data available
Flammability	No data available
Explosion limits [Vol-%]	
Lower limit:	not determined
Upper limit:	not determined
Risk of explosion.	Not explosive
Vapour pressure [kPa]	No data available
Density [g/cm <sup>3</sup> ]	1,6 – 1,8 g/cm <sup>3</sup>
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)]	120 – 160 Pas
Temperature:	20 °C

### **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 decomposition if stored and applied as directed.
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## 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 prod-      No decomposition if used as directed.  
ucts

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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.

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

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

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.

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
UN-No	Not applicable.	Not applicable.	Not applicable.
Class	Not applicable.	Not applicable.	Not applicable.
Packaging group	Not applicable.	Not applicable.	Not applicable.
Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
Proper shipping name		Non dangerous good	Non dangerous good
Danger releasing substance	Not applicable.	Not applicable.	Not applicable.
Environmental hazards	Not applicable.	Not applicable.	Not applicable.

### 14.6 Special precautions for user

Precautions      not required under normal use

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code      not applicable

## 14.8 Additional information

Other information (chapter 14.) Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

## SECTION 15: Regulatory information

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

Additional regulations Not applicable.

### 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 R-phrases R10: Flammable.  
R22: Harmful if swallowed.  
R3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.  
R36: Irritating to eyes.  
R37/38: Irritating to respiratory system and skin.  
R41: Risk of serious damage to eyes.  
R43: May cause sensitisation by skin contact.  
R7: May cause fire.

Relevant H-phrases H226: Flammable liquid and vapour.  
H241: Heating may cause a fire or explosion.  
H302: Harmful if swallowed.  
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.  
H373: May cause damage to organs through prolonged or repeated exposure .

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  
Org. Perox.: Organic peroxide  
Eye Irrit.: Serious eye irritation  
Flam. Liq.: Flammable liquid  
Acute Tox.: Acute toxicity  
STOT RE: Specific target organ toxicity – repeated exposure

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



Commercial Product Name: **FIS VT 300 T**

Revision date: 23.07.2013

Version: 3.1/en

Print date: 24.07.2013

Classification for mixtures  
and used evaluation method  
according to regulation (EC)  
1207/2008 [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.

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.