

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

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

### 1.1 Product identifier

Commercial Product Name **FIS V 360 S - Component A (Mortar )**

Unique Formulation Identifier (UFI) 6Y00-R0CF-F002-33U2

### 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 Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd  
Hithercroft Road  
Wallingford, Oxfordshire, OX10 9AT  
Telephone: +44 01491 827 920  
FAX: +44 01491 827 950  
Internet: www.fischer.co.uk Mrs Mirka Valovicova, fischer Fixing (UK) Ltd

### 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

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|   |   |
|---|---|
| Signal word                                     | Danger  |
| Hazardous component(s) to be indicated on label | tetramethyldimethacrylat , portland cement , 2-hydroxypropyl methacrylate   |
| H-statement(s)                                  | H315: Causes skin irritation.<br>H317: May cause an allergic skin reaction.<br>H318: Causes serious eye damage.   |
| P-statement(s)                                  | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>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                      | Concentration           |
|------------------------------|---|--|-------------------------|
| tetramethyldimethacrylat     | CAS No.: 2082-81-7<br>EC-No.: 218-218-1<br>REACH No.:<br>01-2119967415-30   | Skin Sens. 1B;H317                                 | 10.0 - 25.0 % by weight |
| portland cement              | CAS No.: 65997-15-1<br>EC-No.: 266-043-4<br>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 - 20.0 % by weight |
| 2-hydroxypropyl methacrylate | CAS No.: 27813-02-1<br>EC-No.: 248-666-3<br>REACH No.:<br>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 | Take off immediately all contaminated clothing.<br>In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). |
|----------------|---|

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|                         |   |
|-------------------------|---|
|                         | Wear personal protection equipment (refer to section 8).  |
| If inhaled              | Provide fresh air.<br>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.<br>Do NOT use solvents or thinners.  |
| In case of eye contact  | Remove contact lenses.<br>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.<br>Let water be drunk in little sips (dilution effect).<br>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 fire-fighting 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.

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Version: 3/en



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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

|                      |  |
|----------------------|--|
| Personal precautions | For non-emergency personnel<br>Accidental release measures:<br>Wear personal protection equipment (refer to section 8).<br>Remove all sources of ignition.<br>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.<br>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.<br>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.<br>Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and after work.<br>Take off contaminated clothing and wash it before reuse.<br>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.<br>Keep container tightly closed and dry.<br>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   |

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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/m <sup>3</sup> | Remarks         | Source       |
|---|-----------------|--------------|
| 10  | inhalable dust  | Company data |
| 4   | respirable dust | Company data |

### 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.<br>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.<br>Avoid contact with the skin and the eyes.<br>Wash hands and face before breaks and after work and take a shower if necessary.<br>Keep away from food, drink and animal feedingstuffs.<br>Use protective skin cream before handling the product. |
| Information on environmental protection regulations | No special environmental measures are necessary.<br>see section 6/7  |
| Engineering measures                                | Provide adequate ventilation.  |

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Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

|  |                    |
|--|--------------------|
| Form   | Paste              |
| Colour   | beige              |
| 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*m <sup>2</sup> )]          | 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/cm <sup>3</sup> ]                       | 1,7-1,8            |
| 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)]                      | 120 - 160          |
| Temperature  | 20°C               |
| Explosive properties                               | not explosive.     |
| Oxidising properties                               | No                 |

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## 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

| tetramethyldimethacrylat |                |              |              |
|--------------------------|----------------|--------------|--------------|
| 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 |

#### Dermal toxicity [mg/kg]

##### Hazardous ingredients

| tetramethyldimethacrylat |  |  |  |  |
|--------------------------|--|--|--|--|
|--------------------------|--|--|--|--|

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

| 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 |

**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/m <sup>3</sup> | Company data |

| 2-hydroxypropyl methacrylate |              |
|------------------------------|--------------|
| Value                        | Source       |
| No data available            | 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 |



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**LC50 Inhalation 4h for vapours [mg/l]****Hazardous ingredients**

| <b>tetramethylendimethacrylat</b>                                 |               |
|---|---------------|
| <b>Value</b>  | <b>Source</b> |
| Based on available data, the classification criteria are not met. | Company data  |

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

| <b>tetramethylendimethacrylat</b>                                 |               |
|---|---------------|
| <b>Value</b>  | <b>Source</b> |
| Based on available data, the classification criteria are not met. | Company data  |

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

| <b>tetramethylendimethacrylat</b>                                 |               |
|---|---------------|
| <b>Value</b>  | <b>Source</b> |
| Based on available data, the classification criteria are not met. | Company data  |

**Irritant effect on skin****Hazardous ingredients**

| <b>tetramethylendimethacrylat</b> |                         |                     |                          |               |
|-----------------------------------|-------------------------|---------------------|--------------------------|---------------|
| <b>Value</b>                      | <b>Measuring method</b> | <b>Test species</b> | <b>Exposure duration</b> | <b>Source</b> |
| Not an irritant.                  | FDA 1959                | Rabbit              | 24 h                     | Company data  |

| <b>portland cement</b> |               |
|------------------------|---------------|
| <b>Value</b>           | <b>Source</b> |
| Irritant               | Company data  |

| <b>2-hydroxypropyl methacrylate</b> |                         |               |
|-------------------------------------|-------------------------|---------------|
| <b>Value</b>                        | <b>Measuring method</b> | <b>Source</b> |
| No skin irritation                  | OECD Test Guideline 404 | Company data  |

**Irritant effect on eyes****Hazardous ingredients**

| <b>tetramethylendimethacrylat</b> |                     |                          |               |
|-----------------------------------|---------------------|--------------------------|---------------|
| <b>Value</b>                      | <b>Test species</b> | <b>Exposure duration</b> | <b>Source</b> |
| Not an irritant.                  | Rabbit              | 24 h                     | Company data  |

| <b>portland cement</b>     |               |
|----------------------------|---------------|
| <b>Value</b>               | <b>Source</b> |
| Causes serious eye damage. | Company data  |

| <b>2-hydroxypropyl methacrylate</b> |                         |               |
|-------------------------------------|-------------------------|---------------|
| <b>Value</b>                        | <b>Measuring method</b> | <b>Source</b> |
|                                     |                         |               |

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

|            |          |              |
|------------|----------|--------------|
| irritating | OECD 405 | 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 |

**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 |

**Mutagenicity****Hazardous ingredients**

| tetramethylendimethacrylat |        |
|----------------------------|--------|
| Value                      | Source |
|                            |        |

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

|   |              |
|---|--------------|
| 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 |

**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 |

**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 |

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

| tetramethylendimethacrylat |        |
|----------------------------|--------|
| Remarks                    | Source |
|                            |        |

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

|     |              |
|-----|--------------|
| *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 |

## 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 |

## 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 |

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

|     |      |                              |           |      |              |
|-----|------|------------------------------|-----------|------|--------------|
| 493 | LC50 | Leuciscus idus (Golden orfe) | DIN 38412 | 48 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 |

**Toxicity to algae [mg/l]****Hazardous ingredients**

| tetramethylendimethacrylat |                |                          |                   |                  |              |
|----------------------------|----------------|--------------------------|-------------------|------------------|--------------|
| Value                      | Test criterion | Test species             | Exposure duration | Measuring method | Source       |
| 9,78                       | EC50           | Desmod-esmus 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 |

**NOEC (fish) [mg/l]****Hazardous ingredients**

| tetramethylendimethacrylat |              |
|----------------------------|--------------|
| Value                      | Source       |
| 20                         | Company data |

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

## 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<br>(Big water flea) | OECD 202         | Company data |

## NOEC (algae) [mg/l]

### Hazardous ingredients

| tetramethylendimethacrylat |              |
|----------------------------|--------------|
| Value                      | Source       |
| 20                         | 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 |

## 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 |

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

| 2-hydroxypropyl methacrylate |              |
|------------------------------|--------------|
| Value                        | Source       |
| no data available            | 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 |

## 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 |

## 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.

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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

## 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.                     |
| 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

### 14.8 Additional information

Other information (chapter 14.) -

## 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



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

Commercial Product Name: FIS V 360 S - Component A (Mortar )

Revision Date: 29.10.2020

Version: 3/en



Replaces version from: 16.09.2020

Print date: 16.04.2021

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** 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  
STOT SE: Specific target organ toxicity - single exposure  
Skin Sens.: Skin sensitization  
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** 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.

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en

**fischer** 

Replaces version from: 16.04.2021

Print date: 19.04.2021

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

### **1.1 Product identifier**

Commercial Product Name **FIS V 360 S - Component B (Curing agent)**

Unique Formulation Identifier (UFI) 7D70-Q047-E005-QQHW

### **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 Eye Irrit. 2; H319 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

### **2.2 Label elements**

Hazard pictogram



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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

|   |   |       |
|---|---|-------|
|   | GHS07   | GHS09 |
| Signal word                                     | Warning   |       |
| Hazardous component(s) to be indicated on label | dibenzoyl peroxide , 2-methylisothiazol-3(2H)-one   |       |
| H-statement(s)                                  | H317: May cause an allergic skin reaction.<br>H319: Causes serious eye irritation.<br>H410: Very toxic to aquatic life with long lasting effects.   |       |
| P-statement(s)                                  | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection. |       |

## 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         |
|------------------------------|--|--|------------------------|-----------------------|
| dibenzoyl peroxide           | CAS No.: 94-36-0<br>EC-No.: 202-327-6<br>Index-No.: 617-008-00-0<br>REACH No.:<br>01-2119511472-50   | Org. Perox. B; H241 Eye Irrit. 2;<br>H319 Skin Sens. 1; H317 Aquatic<br>Acute 1; H400 Aquatic Chronic 1;<br>H410   | acute:10<br>chronic:10 | 10.0 - 25.0 %         |
| 2-methylisothiazol-3(2H)-one | CAS No.: 2682-20-4<br>EC-No.: 220-239-6<br>Index-No.: 613-326-00-9<br>REACH No.:<br>01-2120764690-50 | Acute Tox. 3; H301 H311 Acute<br>Tox. 2; H330 Skin Corr. 1B; H314<br>Eye Dam. 1; H318 Aquatic Acute 1;<br>H400 Aquatic Chronic 1; H410 Skin<br>Sens. 1A; H317 EUH071 | acute:10<br>chronic:1  | >= 0.0015 -<br>0.25 % |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                |   |
|----------------|---|
| General advice | Take off immediately all contaminated clothing.<br>In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).<br>Wear personal protection equipment (refer to section 8). |
| If inhaled     | Provide fresh air.  |

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

|                         |   |
|-------------------------|---|
| In case of skin contact | In case of respiratory tract irritation, consult a physician.<br>After contact with skin, wash immediately with plenty of water and soap.<br>Do NOT use solvents or thinners.   |
| In case of eye contact  | Remove contact lenses.<br>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.<br>Let water be drunken in little sips (dilution effect).<br>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 fire-fighting 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.

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

|                      |  |
|----------------------|--|
| Personal precautions | For non-emergency personnel<br>Accidental release measures:<br>Wear personal protection equipment (refer to section 8).<br>Remove all sources of ignition.<br>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.<br>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.<br>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.<br>Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and after work.<br>Take off contaminated clothing and wash it before reuse.<br>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.<br>Keep container tightly closed and dry.<br>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   |

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

Recommended storage temperature +5 - 25 °C

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **dibenzoyl peroxide**

##### **Great Britain**

| <b>Long-term exposure value/ mg/m3</b> | <b>Source</b>                              |
|--|--|
| 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.<br>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.<br>Avoid contact with the skin and the eyes.<br>Wash hands and face before breaks and after work and take a shower if necessary.<br>Keep away from food, drink and animal feedingstuffs.<br>Use protective skin cream before handling the product. |
| Information on environmental protection regulations | No special environmental measures are necessary.<br>see section 6/7  |
| Engineering measures                                | Provide adequate ventilation.  |

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

## **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*m <sup>2</sup> )]          | 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/cm <sup>3</sup> ]                       | 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                 |

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

## 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

| 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

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

#### Inhalative toxicity [mg/l]



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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

## Hazardous ingredients

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

## Sensitization

### Hazardous ingredients

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

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish [mg/l]

##### Hazardous ingredients

| 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           | On-corhynchus mykiss (Rainbow trout) | OECD 203         | 96 h              | Company data |

#### Toxicity to daphnia [mg/l]

##### Hazardous ingredients

| 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

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

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

| 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

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

NOEC (daphnia) [mg/l]

1

Test criterion

NOEC

Test species

Daphnia magna (Big water flea)

Measuring method

OECD 202

Remarks

Mixture related information (Experimental data)

NOEC (algae) [mg/l]

0,5

Test criterion

NOEC

Test species

Pseudokirchneriella subcapitata

Measuring method

OECD 201

Remarks

Mixture related information (Experimental data)

## 12.2 Persistence and degradability

### Biodegradability

#### Hazardous ingredients

| 2-methylisothiazol-3(2H)-one |              |
|------------------------------|--------------|
| Value                        | Source       |
| Readily biodegradable.       | 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.

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

Commercial Product Name: FIS V 360 S - Component B (Curing agent)

Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021




Print date: 19.04.2021

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                      | 3077  | 3077  | 3077  |
| 14.2 Description of the goods   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                  | Environmentally hazardous substance, solid, n.o.s.                                    |
| UN proper shipping name         |   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.                                  | Environmentally hazardous substance, solid, n.o.s.                                    |
| 14.3 Transport hazard class(es) | 9   | 9   | 9   |
| 14.4 Packaging group            | III   | III   | III   |
| 14.5 Environmental hazards      | U - Environmentally hazardous   | U - marine pollutant  | U - Environmentally hazardous   |
| Remarks                         | Not dangerous goods in original packaging (Special Provision 375)                   | Not dangerous goods in original packaging (Exemption under IMDG 2.3.2.5)            | Not dangerous goods in original packaging (Special Provision A197)                    |
| Labels                          |  |  |  |
| Risk No.                        | 90  |   |   |
| Category                        | 3   |   |   |
| Classification Code             | M7  |   |   |
| Tunnel restriction code         | -   |   |   |
| Danger releasing substance      | dibenzoyl peroxide  | dibenzoyl peroxide  | dibenzoyl peroxide  |
| EmS                             |   | F-A;S-F   |   |
| Stowage category                |   | A   |   |

### 14.6 Special precautions for user

Precautions No special measures are necessary.

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

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Revision Date: 19.04.2021

Version: 4/en



Replaces version from: 16.04.2021

Print date: 19.04.2021

### 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.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H330: Fatal if inhaled.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

Wording of the hazard classes Eye Irrit.: Serious eye irritation  
Skin Sens.: Skin sensitization  
Aquatic Acute: Hazardous to the aquatic environment  
Aquatic Chronic: Hazardous to the aquatic environment  
Acute Tox.: Acute toxicity  
Eye Dam.: Serious eye damage

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

| Classification          | Evaluation |
|-------------------------|------------|
| Eye Irrit. 2; H319      | Calculated |
| Skin Sens. 1A; H317     | Calculated |
| Aquatic Acute 1; H400   | Calculated |
| Aquatic Chronic 1; H410 | 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.