

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

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

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

Use composite mortar

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

Emergency telephone number

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

2. Hazards identification

Classification of the substance or mixture

Classification according to Di- R43 Xi; R41
rective 67/548/EEC / 1999/45/
EEC

Label elements

Hazard symbols

Xi



Xi: Irritant

Hazardous component(s) to be
indicated on label

2-hydroxypropyl methacrylate

R–phrase(s)

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

S–phrase(s)

S2: Keep out of the reach of children.

S24: Avoid contact with skin.

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



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

Revision date: 17.03.2011

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S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

S46: If swallowed, seek medical advice immediately and show this container or label.

3. Composition/information on ingredients

Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
portland cement	CAS No.: 65997-15-1 68475-76-3 EG-No.: 266-043-4	Xi; R38-41	10.0 – 25.0 % by weight
2-hydroxypropyl methacrylate	CAS No.: 27813-02-1 EG-No.: 248-666-3 Index-No.: 607-125-00-5	Xi; R36;R43	< 2.5 % by weight
Solvent naphtha (petroleum), light arom.	CAS No.: 64742-95-6 EG-No.: 265-199-0 Index-No.: 649-356-00-4	Xn; R65 Xi; R37 N; R51/53 R10 R67 R66	< 2.5 % by weight

4. First aid measures

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.

5. Firefighting measures

Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO2) Dry powder Foam Water spray jet
Extinguishing media which must not be used for safety reasons	High volume water jet

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.

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. Container may rupture on heating.

6. Accidental release measures

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.

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).

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".

Additional information

Other information Dispose of in accordance with local regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling None under normal processing.

Advice on protection against fire and explosion No special precautions required.

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.

8. Exposure controls/personal protection

Control parameters

portland cement

Great Britain	Long-term exposure value/ mg/ m3	10
	remarks	inhalable dust
	Source	EH40/200 Workplace exposure limits (Octobre 2007)

Great Britain	Long-term exposure value/ mg/ m3	4
	remarks	respirable dust
	Source	EH40/200 Workplace exposure limits (Octobre 2007)

phosphoric acid ... %, orthophosphoric acid ... %

Great Britain	Long-term exposure value/ mg/ m3	1
	Short-term exposure value / mg/ m3	2
	remarks	R34
	Source	EH40/200 Workplace exposure limits (Octobre 2007)

Europe	Long-term exposure value/ mg/ m3	1
	Short-term exposure value / mg/ m3	2
	Issuing date	2000/39
	Source	EU-OEL

2-methoxy-1-methylethyl acetate

Great Britain	Long-term exposure value/ ppm	50
	Long-term exposure value/ mg/ m3	274
	Short-term exposure value / ppm	100
	Short-term exposure value / mg/ m3	548
	remarks	Sk R10, 36
	Source	EH40/200 Workplace exposure limits (Octobre 2007)

Europe	Long-term exposure value/ mg/ m3	275
	Long-term exposure value/ ppm	50
	Short-term exposure value / mg/ m3	550
	Short-term exposure value / ppm	100
	Note	Skin
	Issuing date	2000/39
	Source	EU-OEL

titanium-dioxide

Great Britain	Long-term exposure value/ mg/ m3	10
	remarks	total inhalable
	Source	EH40/200 Workplace exposure limits (Octobre 2007)
Great Britain	Long-term exposure value/ mg/ m3	4
	remarks	respirable
	Source	EH40/200 Workplace exposure limits (Octobre 2007)

Exposure controls

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Wear protective gloves.
Suitable material:	butyl-rubber, Chloroprene, Nitrile rubber
Unsuitable material:	PVC disposable gloves
Material thickness:	>= 0,5 mm
Break through time:	> 120 min
remarks:	Replace when worn. Request information on glove permeation properties from the glove supplier. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
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.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Form	paste
Colour	light grey

Odour	characteristic
Flash point / °C	> 100 °C
Risk of explosion.	Not explosive
Density	1,7 – 1,8 g/cm ³
Autoinflammability	not auto-flammable
Viscosity, dynamic	120 – 160 Pas

10. Stability and reactivity

Possibility of hazardous reactions

Hazardous reactions	No dangerous reaction known under conditions of normal use.
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Conditions to avoid

Conditions to avoid	No decomposition if used as directed.
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Hazardous decomposition products

Hazardous decomposition products	No decomposition if used as directed.
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11. Toxicological information

Information on toxicological effects

Irritant effect on skin	Irritating to skin and mucous membranes
Irritant effect on eyes	Irritating to eyes.

Additional information

Other information (chapter 11.)	There is no data available for this product.
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12. Ecological information

Other adverse effects

Further information on ecology	No information on ecology is available.
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13. Disposal considerations

Waste treatment methods

Disposal considerations	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. The product should not be allowed to enter drains, water courses or the soil. Empty remaining contents.
Waste Code	200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

200127 – paint, inks, adhesives and resins containing dangerous substances
080000 – WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
080400 – wastes from MFSU of adhesives and sealants (including waterproofing products)
080409 – waste adhesives and sealants containing organic solvents or other dangerous substances

Uncleaned empty packaging

Dispose of as unused product.

14. Transport information

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

15. Regulatory information

Chemical safety assessment

Safety assessment

Not relevant

16. Other information

R phrases applying to ingredients

R10: Flammable.
R37: Irritating to respiratory system.
R38: Irritating to skin.
R41: Risk of serious damage to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

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.

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

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

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

Use composite mortar

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

Emergency telephone number

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

2. Hazards identification

Classification of the substance or mixture

Classification according to Di- O; R7 R43
rective 67/548/EEC / 1999/45/
EEC

Label elements

Hazard symbols



O: Oxidising



Xi: Irritant

Hazardous component(s) to be
indicated on label dibenzoyl peroxide

R–phrase(s) R43: May cause sensitisation by skin contact.
R7: May cause fire.

S–phrase(s) S14: Keep away from strong acids, alkalis, salts of heavy metals and
reductants.
S2: Keep out of the reach of children.

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

Commercial Product Name: **FIS V 360/950 S – Component B (Hardener)**

Revision date: 16.03.2011

Version: 2/en

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S3/7: Keep container tightly closed in a cool place.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S46: If swallowed, seek medical advice immediately and show this container or label.

3. Composition/information on ingredients

Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
dibenzoyl peroxide	CAS No.: 94-36-0 EG-No.: 202-327-6 Index-No.: 617-008-00-0	E; R3 O; R7 Xi; R36 R43	10.0 – 25.0 % by weight

4. First aid measures

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.

5. Firefighting measures

Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO2) Dry powder Foam Water spray jet
Extinguishing media which must not be used for safety reasons	High volume water jet

Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation: Heating or fire can release toxic gas.

tion itself, its combustion products, or released gases

Advice for firefighters

Special protective equipment for firefighting

In the event of fire, wear self-contained breathing apparatus.
In the event of fire and/or explosion do not breathe fumes.

Additional information on firefighting

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Keep containers and surroundings cool with water spray. Container may rupture on heating.

6. Accidental release measures

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.

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).

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".

Additional information

Other information

Dispose of in accordance with local regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

None under normal processing.

Advice on protection against fire and explosion

No special precautions required.

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.

8. Exposure controls/personal protection

Control parameters

dibenzoyl-peroxide

Great Britain

Long-term exposure value/ mg/ m3	5
remarks	R2, 36, 43
Source	EH40/200 Workplace exposure limits (October 2007)

Exposure controls

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Wear protective gloves.
Suitable material:	butyl-rubber, Chloroprene, Nitrile rubber
Unsuitable material:	PVC disposable gloves
Material thickness:	>= 0,5 mm
Break through time:	> 120 min
remarks:	Replace when worn. Request information on glove permeation properties from the glove supplier. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Form	paste
Colour	black

Odour	characteristic
Flash point / °C	> 100 °C
Risk of explosion.	Not explosive
Density	1,6 – 1,65 g/cm ³
Autoinflammability	not auto-flammable
Viscosity, dynamic	100 – 160 Pas

Other information

Oxidizing properties	Oxidising
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10. Stability and reactivity**Possibility of hazardous reactions**

Hazardous reactions	No dangerous reaction known under conditions of normal use.
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Conditions to avoid

Conditions to avoid	No decomposition if used as directed.
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Hazardous decomposition products

Hazardous decomposition products	No decomposition if used as directed.
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11. Toxicological information**Information on toxicological effects**

Irritant effect on skin	Irritating to skin and mucous membranes
Irritant effect on eyes	Irritating to eyes.

Additional information

Other information (chapter 11.)	There is no data available for this product.
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12. Ecological information**Other adverse effects**

Further information on ecology	No information on ecology is available.
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13. Disposal considerations**Waste treatment methods**

Disposal considerations	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. The product should not be allowed to enter drains, water courses or the soil. Empty remaining contents.
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Waste Code	200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 200127 – paint, inks, adhesives and resins containing dangerous substances 080000 – WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 080400 – wastes from MFSU of adhesives and sealants (including waterproofing products) 080409 – waste adhesives and sealants containing organic solvents or other dangerous substances
Uncleaned empty packaging	Dispose of as unused product.

14. Transport information

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

Chemical safety assessment

Safety assessment	Not relevant
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16. Other information

R phrases applying to ingredients	R3: Extreme risk of explosion by shock, friction, fire or other sources of ignition. R36: Irritating to eyes. R43: May cause sensitisation by skin contact. R7: May cause fire.
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