

fischerwerke Artur Fischer GmbH & Co. KG



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1 Identification of the substance / preparation and of the company

Product: FIS VW 360 S (Hardener)
Registration number: not applicable
Use: Mounting material
Identified use: none
Method of operation: See product information.
Company: fischerwerke Artur Fischer GmbH & Co. KG
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DE-72178 Waldachtal
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Responsible: haensler@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See R-phrases.
Human health dangers: See R-phrases.
Environmental hazards: No particular hazards known.
Other hazards: none
Hazard symbols:  
Oxidizing Irritant
R-phrases: R 8: Contact with combustible material may cause fire. R 43: May cause sensitisation by skin contact.

3 Composition / Information on ingredients

Ethylene glycol	1 - < 25%
Xn, R22 CAS: 107-21-1, EINECS/ELINCS: 203-473-3, EU-INDEX: 603-027-00-1, ECBnr:	
Isononylphenol, ethoxylated (9EO)	0,1 - < 1%
Xn-N, R22-41-51/53 CAS: 37205-87-1, EINECS/ELINCS: , EU-INDEX: , ECBnr:	
Quartz	1 - < 20%
CAS: 14808-60-7, EINECS/ELINCS: 238-878-4, EU-INDEX: , ECBnr:	
Dibenzoyl peroxide	1 - < 15%
E-Xi, R2-36-43 CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0, ECBnr:	

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: Remove contaminated soaked clothing immediately and dispose of safely.
Inhalation: Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact: In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion: Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Induce the patient to vomit of his own accord only if fully conscious.
Advice to doctor: Treat symptomatically.

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5 Fire-fighting measures

- Suitable extinguishing media:** Foam, dry powder, water spray jet, carbon dioxide.
Extinguishing media that must not be used: Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products: Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters: Use self-contained breathing apparatus.
Additional information: Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures

- Personal precautions:** Ensure adequate ventilation.
Environmental precautions: Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up: Take up mechanically. Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

- Advice on safe handling:** No special measures necessary if used correctly.
Advice on protection against fire and explosion: No special measures necessary.
Requirements for storage rooms and vessels: Keep only in original container.
Advice on storage compatibility: Do not store with alkalis. Do not store together with acids.
Further information on storage conditions: Keep container in a well-ventilated place. Keep container tightly closed. Keep in a cool place.

8 Exposure controls / personal protection

- Additional advice on system design:** Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: (GB)

Dibenzoyl peroxide	1 - < 15%
5mg/m ³ *,	
Ethylene glycol	1 - < 25%
52mg/m ³ *, General remarks: Vapour, New IOELV, Sk, 14/3,88	
Quartz	1 - < 20%
0,3mg/m ³ *, General remarks: respirable crystalline, 14/3,37,38,51/2,76	
* LTEL: Long-term exposure limit	

- Respiratory protection:** not applicable
Hand protection: butyl rubber, > 120 min (EN 374)
Eye protection: Safety glasses.
Skin protection: not applicable
General protective measures: Avoid contact with eyes and skin.
Hygiene measures: Do not eat, drink, smoke or take drugs at work. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition: not determined

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9 Physical and chemical properties

Form:	pasty
Color:	dark grey
Odor:	characteristic
pH-value:	not determined
pH-value [1%]:	not determined
Boiling point [°C]:	not determined
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Combustible properties:	yes
Vapour pressure [kPa]:	not determined
Density [g/ml]:	ca. 1,6
Density [°C]:	ca. 20°C
Bulk density [kg/m³]:	not applicable
Solubility in water:	partially miscible
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	See product information
Relative vapour density determined in air:	not determined
Evaporation speed:	not determined
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not applicable
Decomposition temperature [°C]:	not determined

10 Stability and reactivity

Hazardous reactions:	Reactions with alcohols, amines, aqueous acids and alkalis. Reactions with reducing agents.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available. The product was classified on the basis of the calculation procedure of the preparation directive.

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12 Ecological information

Fish toxicity:	not determinated
Daphnia toxicity:	not determinated
Behaviour in environment compartments:	not determinated
Behaviour in sewage plant:	not determinated
Bacteria toxicity:	not determinated
Biological degradability:	not determinated
COD:	not determinated
BOD 5:	not determinated
AOX-advice:	not applicable
2006/11/EC:	not applicable
General information:	Ecological data are not available.



13 Disposal considerations

Disposal / Product:	Dispose of as hazardous waste. For recycling, consult manufacturer.
Disposal / Contaminated packaging:	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended):	080409*

14 Transport information

Classification according to ADR:	no dangerous goods
- Classification Code:	
- ADR Limited Quantities:	
- Label:	
Classification according to IMDG:	not classified as "Dangerous Goods" - -
- IMDG Limited Quantities:	
- EMS:	
- Label:	
Classification according to IATA:	not classified as "Dangerous Goods"
- Label:	

15 Regulatory information

Exposure scenario:	not applicable
Chemical safety report:	not applicable
Labelling:	The product is classified and labelled in accordance within EC-directives.
Hazard symbols:	  Oxidizing Irritant
Contains:	Dibenzoyl peroxide
R-phrases:	R 8: Contact with combustible material may cause fire. R 43: May cause sensitisation by skin contact.
S-phrases:	S 2: Keep out of the reach of children. S 14.7: Keep away from dirt, rust, chemicals, alkalis and acids as well as heavy metal salts and amines. S 24: Avoid contact with skin. S 37: Keep container tightly closed in a cool place. S 37: Wear suitable gloves. S 46: If swallowed, seek medical advice immediately and show this container or label.
Special labelling for certain preparations:	none
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2004/73, 29. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2007).
NATIONAL REGULATIONS (GB):	EH40/2002 Occupational Exposure Limits Supplement 2003.

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16 Other informations

R-phrases (Chapter 03):	R 36: Irritating to eyes. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 41: Risk of serious damage to eyes. R 22: Harmful if swallowed. R 2: Risk of explosion by shock, friction, fire or other sources of ignition. R 43: May cause sensitisation by skin contact.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	not applicable
Customs Tariff:	not determinated
2004/42/CE:	not applicable

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.