

**Material Safety Data Sheet**  
**according to decree (EC) Nr. 1907 / 2006**

Rev. 2

Revision Date: 16.02.2010 RL

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**1. Chemical product and company identification****Product name:**

Fissure Sealer, white

**Application of the product:**

Fissure Sealing

**Manufacturer:**

Dent a pharm Produktionsges. mbH

**Street:**

Schusterring 35

**Zip-Code / Town**

D-25355 Barmstedt

**Phone / Fax / E-Mail**+49 41 23 - 9225 0 / +49 4123 9225 48 / [dent-a-pharm@t-online.de](mailto:dent-a-pharm@t-online.de)**Emergency Information (24 hours)**

Dr. Wolfgang Willmann

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**2. Hazard Identification**

Hazard-denotation

Xi irritant

N Hazardous to the environment

Special hazard for human and environment

R 36/37/38

Irritating to eyes, respiratory system and skin

R43

Sensibilisation through skin contact possible.

Generally acrylates could cause irritation of the eyes, skin and respiratory system. Acrylates could cause a sensibilisation through contact.

R51/53

Toxic for water-organism, could cause longer-termed damage in waters

**3. Composition/Information on Ingredients**

Light curing fissure-sealer based on Methacrylates and their derivatives

Index-No: 607-133-00-9

Hazardous Ingredients Acrylates and their derivatives

Classification: Labelling

Xi, R36/37/38, R43

N R51-53

**4. First-Aid-Measures****General Advices:**

Take off immediately with product contaminated cloth

**In case of skin-contact:**

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Wash with water and soap.

**In case of eye contact:**

Rinse with plenty of water while lids are opened. In case of prolonged irritations contact a physician.

**In case of inhalation:**

Bring the person to fresh air.

**In case of swallow**

Consult physician.

**5. Fire-Fighting-Measures**

**Suitable extinguish media:**

Foam, powder, Waterspray, CO<sub>2</sub>. Choose fire-fighting-measures concerning to the environment

**Not suitable extinguishing media:**

None known

**Special protective equipment while fire-fighting:**

Typical measures for fire-fighting of chemical-fires, that means using a respiratory-(isolating-unit)

**6. Accidental release measures**

**Personal Precautions:**

Take care of adequate aeration.

**Environmental precautions:**

Do not allow not hardened material to get into drains.

**Method for cleaning up:**

Take up mechanically. Cure with light and dispose the material or solid residues at an authorized site as special waste.

**7. Handling and storage**

**Handling**

The general advice and precautionary measures are to be observed.

Wear work-clothes during work

Avoid skin-contact while using instruments and minimal-contact-technique.

Wash hands before pauses and before and after work

**Storage**

Store cool, dry protected against light and tightly closed.

**Directions for fire- and explosion-protection:**

No special measures necessary.

**8. Exposure Controls/Personal Protection**

**Additional directions for forming of technical devices**

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None

**Components with workplace control parameters****Personal precautions:****General:**

Take note of protecting- and hygiene-measures. Devided storage of the protective cloth. Handle in accordance with good industrial hygiene and safety practise for working with chemicals.

**Eye protection:**

Goggles while working with the materials.

**Hand-protection:**

Sensibilisation

Wearing of suitable gloves

**Body-protection:**

Wear business-usual working-cloths

**Hygiene measures:**

Take care off business-usual protective-and hygienic-measures.

**9. Physical and chemical Properties****Appearance:**

Form: viscous liquid

Colour: white

Odour: aromatic

**Safety relevant data:**

pH-value: not applicable

Flash-point: not applicable

Iginition-point: not fixed

Solubility in water: at 20°C practicable unsoluble

Vinegar-acid-esther: soluble

Isopropanol: soluble

**10. Stability and Reactivity****Conditions to avoid:**

To avoid premature curing, store the container protected against heat, Sunlight and light.

**Materials to avoid**

The product is slightly polymerising if contacted with radical-builder.

**Hazardous decomposition products:**

None if handled according to the directions.

**Additional Notes:**

The product slowly could polymerize in case of essential exceed of storing time-or non-observing of the storage-conditions.

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**11. Toxicological information**

Estimated to the ingredients:

**Acute toxicity:****At Skin:**

Could cause irritations

**At eyes**

Could cause irritations

**Sensitization**

If exposed a s Sensitization through skin-contact is possible.

**Additional toxicological Advices:**

The product has to be labelled. To our experience the product wont cause harmful to health-effects if used aproppriate and according to the regulations.

**12. Ecological information****General Advices:**

Not water-hazardous-class: 1 (self-classification)- slightly water-hazardous

Do not drain into see, ground-water or sewer-system.

**13. Disposal considerations****The product itself.****Recommendation:****Not cured material**

Waste-key-no:

Accordingly dispose of considering the regulations of the local authority

**Cured material**

Dispose to the local and national rules as special waste. (do not discharge into drain)

**14. Transport informations/rules**

No dangerous cargo accordingly to the transport rules. Store away from food-stuff and stimulants.

**15. Regulatory Information****Labelling according EU guidelines**

The product is to be labelled according to the EG-Rules/GefStoffV

Identification-letter and hazard denotation of the product

**Xi Irritant****N Hazardous to the environment****R-phrases****R36/37/38** Irritating to the eyes, respiratory system and skin**R43** Sensibilisation through skin contact possible**R51/53** Toxic for water-organism, could cause longer-termed damages in water**S-phrases****S26** If contacted with eyes rinse immediately with plenty of water

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<b>S28</b>	If contacted with skin immediately wash with water and soap
<b>S61</b>	Avoid relasing to the environment. Obtain specific Directions : Consult Safety Data Sheet

**Natioal Rules****Classification to VbF:****Not applicable****Water-dangerous-class**

WGK 1 (self classification)

Slightly water-dangerous

**\*16. Other information****Further applicable EG Guidelines**

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC.

Substance Guideline (67/548/EWG), at last changed by the guideline 2006/121 EC.

REACH-Guideline (EC) No. 1907/2006

**Manufacturer's suggested application restriction:**

For dental use only

**R-phrases that refer to section 3****R36/37/38** Irritating to the eyes, respiratory system and skin**R43** Sensibilisation through skin contact possible**R51/53** Toxic for water-organism, could cause longer-termed damages in water

If these product will be used as a component of an other product, this information is not applicable.

**Department issuing MSDS:**

Dr. Wolfgang Willmann (Phone: +49 (0) 41 23 – 9228 0)

**Additional Information:**Origin: <sup>1</sup> <http://www.baua.de><sup>2</sup> <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission (EC) No. 1907 / 2006.

**Disclaimer of Liability**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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