

## Material Safety Data Sheet

### According to decree (EC) No. 1907/2006

#### 1. Product- and Company Identification

|                      |   |
|----------------------|---|
| <u>Product name:</u> | DC Fissuresseal, art. No. 702258  |
| <u>Manufacturer:</u> | DC Dental Central Großhandelsges.mBH<br>Carl-Zeiss-Str.2<br><b>D-22946 Trittau, Germany</b> |
| <u>Contact:</u>      | Tel.: ++49 (0)4154/8437 0<br>Fax: ++49 (0)4154/8437 33                                      |

#### 2. Hazard Identification

|  |  |
|--|--|
| <u>Hazard-denotation:</u>                        |  |
| Xi   | Irritant   |
| N  | Hazardous to the environment   |
| <u>Special hazard for human and environment:</u> |  |
| R36/37/38  | 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. |                |                   |                        |                           |                     |
|---|----------------|-------------------|------------------------|---------------------------|---------------------|
| <b>Hazardous Ingredients:</b>   |                |                   |                        |                           |                     |
| <u>Description:</u>   | <u>CAS-Nr:</u> | <u>Index-No.:</u> | <u>Classification:</u> | <u>R-phrases</u>          | <u>Percentage %</u> |
| Acrylates and their derivatives   | --             | 607-133-00-9      | Xi, N                  | R36/37/38,<br>R43, R51-53 |                     |

#### 4. First-Aid-Measures

|                                 |   |
|---------------------------------|---|
| <u>General Advices:</u>         | Take off immediately with product contaminated cloth  |
| <u>In case of inhalation:</u>   | Bring the person to fresh air.  |
| <u>In case of skin contact:</u> | Wash with soap and water.   |
| <u>In case of eye contact:</u>  | Rinse with plenty of water while lids are opened. In case of prolonged irritations contact a physician. |
| <u>In case of swallow:</u>      | Consult physician.  |

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### 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.

Methods 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.

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#### 8. Exposure Controls / Personal Protection

Additional directions for forming of technical devices:

None.

#### **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

|   |                                |
|---|--------------------------------|
| <u>Appearance:</u>                            | viscous liquid                 |
| <u>Colour:</u>                                | white                          |
| <u>Odour:</u>                                 | aromatic                       |
| <u>pH-value:</u>                              | Not applicable                 |
| <u>Flashpoint:</u>                            | Not applicable                 |
| <u>Ignition point:</u>                        | Not fixed                      |
| <u>Solubility in water:</u>                   | At 20° C practicable insoluble |
| <u>Solubility in vinegar-acid-<br/>ester:</u> | Soluble                        |
| <u>Solubility in isopropanol:</u>             | Soluble                        |

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#### 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.

#### 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 experiance the product wont cause harmful to health-effects if used appropriate 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 Information / Rules

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

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#### 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

S28 If contacted with skin immediately wash with water and soap

S61 Avoid relasing to the environment. Obtain specific Directions: Consult Safety Data Sheet

Classification to VbF:

Not applicable

Water-dangerous-class:

WGK 1 (self classification); Slightly water-dangerous

#### 16. Further 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.

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.

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