

## Safety Data Sheet (EC) No. 1907/2006

### 1. Product- and Company Identification

<u>Trade name:</u>	DC Crown&Bridge Material, art. No. 710502 & 710503
<u>Manufacturer:</u>	DC Dental Central Großhandelsges. mbH Carl-Zeiss-Str.2 <b>D-22946 Trittau, Germany</b>
<u>Further information obtainable from:</u>	Tel.: +49 (0)4154/8437 0 Fax: +49 (0)4154/8437 33
<u>Information in case of emergency:</u>	Same as above.

### 2. Composition/information on ingredients

<b>Chemical characterization</b>
Preparation of acrylic resin, glass powder and silica. Contains methyl dimethacrylate, aromatic dimethacrylate, glycol methacrylate.

### 3. Hazards identification

None, if handled according to directions. Irritating to eyes, respiratory system and skin.
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### 4. First aid measures

<u>After inhalation:</u>	In case of prolonged exposure take patient to open air.
<u>After skin contact:</u>	Wash with soap and water.
<u>After eye contact:</u>	Immediately rinse with plenty of water, consult a physician.
<u>After swallowing:</u>	Immediately seek medical device.

### 5. Fire-fighting measures

<u>Suitable extinguishing agents:</u> CO <sub>2</sub> , powder, sand, foam, water spray.
<u>Not suitable extinguishing agents:</u> Direct jet to water.

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### 6. Accidental release measures

Person-related safety precautions:

Use only in well-ventilated areas.

Environmental-protection measures:

Avoid pollution of water and sewage.

Procedures for cleaning / absorption:

Take up mechanically, with inert fluid-binding material.

### 7. Handling and storage

**Handling:**

Technical measures:

Keep container tightly closed.

Safe handling advice:

Wear suitable gloves. Avoid contact with eyes.

**Storage:**

Technical measures:

Keep container in a well-ventilated place.

Storage conditions:

Keep container tightly closed. Keep in a dark, cool place.

Recommended packaging material:

Container of solvent stable plastics.

### 8. Exposure controls/personal protection

Engineering measures:

Use only in well-ventilated areas.

General protective and hygienic measures:

When using do not drink or eat.

Eye protection:

Goggles

Respiratory protection:

Do not breathe vapour.

Hand and skin protection:

Robber gloves

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### 9. Physical and chemical properties

<u>Form:</u>	Viscous liquid
<u>Colour:</u>	yellowish
<u>Odour:</u>	Weak esterlike
<u>Boiling temperature:</u>	>250° C
<u>Decomposition temperature::</u>	Ca. >200° C
<u>Flash point:</u>	>150°C
<u>Ignition temperature:</u>	>380° C
<u>Explosion properties:</u>	Not applicable
<u>Density:</u>	Ca. 1.5 g/cm <sup>3</sup>
<u>Vapour pressure:</u>	<1 mbar / 20° C
<u>Rel. vapour density</u>	>1
<u>Solubility in water:</u>	Ca. 1 %
<u>pH-value:</u>	Ca. 7.0

### 10. Stability and reactivity

<u>Thermal decomposition:</u>	At ca. 200° C. No decomposition, if handled according to Instructions for use.
<u>Dangerous reactions</u>	None, if handled according to directions.
<u>Conditions to avoid:</u>	Heat, light.
<u>Materials to avoid:</u>	Free radicals, reducing agents, heavy metal ions.
<u>Dangerous decomposition products:</u>	In case of fire acrid acrylic fumes. Cures on exposure to visible or UV-light.

### 11. Toxicological information

<u>Acute oral toxicity:</u>	Oral/LD <sub>50</sub> : >5000 mg/kg (rat)
<u>Irritation of skin:</u>	Irritating on prolonged exposure.
<u>Irritation of eye:</u>	Irritating on prolonged exposure.
<u>Additional toxicological effects:</u>	Allergic reactions to methacrylates are possible.

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### 12. Ecological information

Do not discharge into drains or the environment.

Persistence and degradability:

No data available for the preparation.

Well disposable, or components up to 9 %.

Ecotoxicity:

Fish toxicity LC<sub>50</sub>: >360 mg/l / 48 h (for water-soluble components)

### 13. Disposal considerations

Waste from residues:

Use proper landfill disposal of incineration in accordance with local, state and federal regulations.

### 14. Transport information

Not dangerous cargo.

### 15. Regulatory information

Labelling according to international regulations:

Contains methyl methacrylate.

Identification-letter and hazard denotation of the product:



Xi (reizend), contains methacrylic ester.

R-phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

S-Sätze:

S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin wash immediately with plenty of water and soap.

### 16. Other information

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.