

## DC Crown&Bridge Material

Revision date: 16.08.2021

REF 710502 &amp; 710503

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

DC Crown&amp;Bridge Material

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

for dental use only

##### Uses advised against

pregnant or breastfeeding people should not work with hazardous substances

#### 1.3. Details of the supplier of the safety data sheet

Company name:	DC DentalCentral GmbH	
Street:	Owidenfeldstraße 6	
Place:	D-30559 Hannover	
Telephone:	+49 (0) 40 280054 0	Telefax: +49 (0) 40 280054 170
e-mail:	office@dental-central.de	
Internet:	www.dental-central.de	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May cause respiratory irritation.

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



##### Hazard statements

May cause respiratory irritation.

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

##### Precautionary statements

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF ON SKIN: Wash with plenty of water.

#### 2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

chemical characterization (preparation): Acrylate.-resin.

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
41637-38-1	Dimethacrylate Resin			35-45 %
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Chronic 4; H315 H319 H317 H335 H413			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Avoid exposure. Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm.

#### After contact with skin

After contact with skin, wash immediately with: Water and soap.

#### After contact with eyes

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

#### After ingestion

Medical treatment necessary.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

High power water jet.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

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### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.  
Store only in original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls



#### Protective and hygiene measures

When using do not eat or drink.

#### Eye/face protection

Tightly sealed safety glasses.

#### Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

#### Respiratory protection

The following must be prevented: inhalation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Paste	
Colour:	characteristic	
Odour:	ester	
pH-Value (at 20 °C):		ca. 7
<b>Changes in the physical state</b>		
Initial boiling point and boiling range:		>250 °C
point of decomposition:		200 °C
Flash point:		>150 °C
Ignition temperature:		>380 °C
Vapour pressure: (at 20 °C)		1 hPa
Density:		1,5 g/cm <sup>3</sup>
Water solubility:		10 g/L
Vapour density:		1

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

heat. Light.  
Decomposition takes place from temperatures above: 200 °C  
Decomposition under formation of: Acrylate.

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#### 10.5. Incompatible materials

radical former. Keep away from strong acids, leachates, heavy metal salts and reducing materials.

#### 10.6. Hazardous decomposition products

In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent). nitrogen oxides (NOx).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

LD50: Rat 5000 mg/kg

##### Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.

Irritant effect on the eye:

##### Additional information on tests

Contains Methacrylic esters.: May produce an allergic reaction.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute fish toxicity LC50: >360 mg/l/48h

#### 12.2. Persistence and degradability

Preparation not tested.

#### Further information

Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Paste: Carry out a burning of hazardous waste according to official regulations.

##### List of Wastes Code - residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

### SECTION 14: Transport information

#### Other applicable information

No dangerous good in sense of these transport regulations.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulatory information

### SECTION 16: Other information

#### Relevant H and EUH statements (number and full text)

Causes skin irritation.

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May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause long lasting harmful effects to aquatic life.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*