

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DC Glas-IonomerCem Liquid

Revision date: 12.06.2017

Page 1 of 7

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

##### 1.1. Product identifier

DC Glas-IonomerCem

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

###### Use of the substance/mixture

medical use

###### Uses advised against

No information available.

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

Company name:	DC DentalCentral GmbH	
Street:	Owiefeldstraße 6	
Place:	D-30559 Hannover	
Telephone:	+49 (0) 40 2800540	Telefax: +49 (0) 40 280054 170
e-mail:	order@dental-central.de	
e-mail (Contact person):	order@dental-central.de	
Internet:	www.dental-central.de	
Responsible Department:	--	

##### 1.4. Emergency telephone number:

#### SECTION 2: Hazards identification

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

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

##### 2.3. Other hazards

No information available.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

###### Further Information

No information available.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

No special measures are necessary.

###### After inhalation

Remove person to fresh air and keep comfortable for breathing.

###### After contact with skin

Wash with plenty of water.

In case of skin irritation, consult a physician.

###### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DC Glas-IonomerCem Liquid

Revision date: 12.06.2017

Page 2 of 7

#### After ingestion

Rinse mouth immediately and drink plenty of water.  
Call a doctor.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No information available.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). alcohol resistant foam. Water spray jet

##### **Unsuitable extinguishing media**

High power water jet

#### **5.2. Special hazards arising from the substance or mixture**

No information available.

#### **5.3. Advice for firefighters**

Special protective equipment for firefighters Protective clothing.  
In case of fire: Wear self-contained breathing apparatus.  
Co-ordinate fire-fighting measures to the fire surroundings.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Dispose of waste according to applicable legislation.

### SECTION 6: Accidental release measures

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

See protective measures under point 7 and 8.  
Personal protection equipment: see section 8

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Cover drains.

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

Absorb with liquid-binding material (e.g.sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

See protective measures under point 7 and 8.  
Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

See section 8. Wear personal protection equipment (refer to section 8).  
Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.

##### **Advice on protection against fire and explosion**

No special measures are necessary.

##### **Further information on handling**

No special measures are necessary.

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DC Glas-IonomerCem Liquid

Revision date: 12.06.2017

Page 3 of 7

#### Requirements for storage rooms and vessels

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

#### Advice on storage compatibility

No special measures are necessary.

#### Further information on storage conditions

No special measures are necessary.

#### 7.3. Specific end use(s)

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Protective and hygiene measures

Only wear fitting, comfortable and clean protective clothing.  
 Avoid contact with skin, eyes and clothes.  
 Wash hands before breaks and after work.  
 Take off contaminated clothing and wash it before reuse.  
 When using do not eat, drink, smoke, sniff.

##### Eye/face protection

Eye glasses with side protection

##### Hand protection

Tested protective gloves must be worn: DIN EN 374  
 NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber), NR (natural rubber, natural latex)  
 Thickness of the glove material  $\geq 0,4$  mm  
 Breakthrough times and swelling properties of the material must be taken into consideration.  
 For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
 Wearing time with occasional contact (splashes): max. 480 min.  
 Wearing time with permanent contact 240 - 480 min  
 Observe the wear time limits as specified by the manufacturer.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Usually no personal respirative protection necessary.

##### Environmental exposure controls

No information available.

### SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

#### Test method

pH-Value:	not determined
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#### Changes in the physical state

according to Regulation (EC) No 1907/2006

**DC Glas-IonomerCem Liquid**

Revision date: 12.06.2017

Page 4 of 7

Melting point:	not applicable
Initial boiling point and boiling range:	not applicable
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not applicable

**Flammability**

Solid:	not applicable
Gas:	not applicable

**Explosive properties**

not explosive according to EU A.14

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	not determined

**Auto-ignition temperature**

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not applicable
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**Oxidizing properties**

No information available.

Vapour pressure: (at 20 °C)	not determined
Vapour pressure:	not determined
Density (at 20 °C):	not determined
Bulk density:	not determined
Water solubility:	miscible

**Solubility in other solvents**

No information available.

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

according to Regulation (EC) No 1907/2006

**DC Glas-IonomerCem Liquid**

Revision date: 12.06.2017

Page 5 of 7

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****Land transport (ADR/RID)**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DC Glas-IonomerCem Liquid

Revision date: 12.06.2017

Page 6 of 7

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

#### **14.6. Special precautions for user**

No information available.

#### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

### SECTION 15: Regulatory information

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

##### **National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

#### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### **Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DC Glas-IonomerCem Liquid

Revision date: 12.06.2017

Page 7 of 7

LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effectice concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singulary responsible for adhering to existing laws and regulations.

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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.)*