

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DC Glas-IonomerCem Powder

Revision date: 12.06.2017

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#### 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.

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#### **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**

Take up mechanically. Treat the recovered material as prescribed in the section of 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 dust. Avoid dust formation.

##### **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**

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#### 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.

storage class acc. TRGS 510: 13 (Non-flammable solids which cannot be assigned to any storage classes above)

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

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

CAS-No	Substance	Exposure route	Effect	Value
7727-43-7	Barium sulfate			
Worker DNEL, long-term		inhalation	systemic	10
Worker DNEL, long-term		inhalation	local	10
Consumer DNEL, long-term		inhalation	systemic	10
Consumer DNEL, long-term		oral	systemic	13000

##### PNEC values

CAS-No.	Substance	Value
7727-43-7	Barium sulfate	
Freshwater		0,115 mg/l
Freshwater sediment		600,4 mg/kg
Soil		207,7 mg/kg

#### 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







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#### 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  
Status: Mixing rule acc.VwVwS Annex 4, No. 3

#### 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,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effect 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 singularly responsible for adhering to existing laws and regulations.

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