

Material Safety Data Sheet 91/155/EWG

According to amending law of Ordinance on Hazardous Substances

1. Chemical product and company identification

Product name:

DC Glas-IonomerCem,Liquid
Artikel Nummer 702208

Manufacturer:

DC Dental Central Großhandelsges. MbH, Carl-Zeiss-Str.2, D-22946 Trittau
Tel: +49 (0) 4154 / 8437 0, Fax: +49 (0) 4154 / 8437 33,

2. Composition/Information on Ingredients

Chemical name

Aqueous preparation on polyacrylic acid

3. Hazard Identification

-Hazard-denotation

Xi irritant

-Special hazard for human and environment

R 36/ Irritant to the eyes

4. First-Aid-Measures

In case of Inhalation:

In case of prolonged exposure take patient to open air.

In case of skin contact:

Wash with soap and water.

In case of eye contact:

Rinse with plenty of water, contact a physician.

In case of ingestion:

Immediately seek medical advice.

5. Fire-Fighting-Measures

Suitable extinguish media:

Not flammable.

6. Accidental release measures

Personal Precautions:

By effect of steam/dust/aerosol wear breathing apparatus

Wear personal protection cloths.

Environmental precautions:

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Do not empty into drains.

Method for cleaning up:

Take up mechanically, with inert fluid-binding material. Neutralize with aqueous alkali (lime water)

7. Handling and storage

Handling

Advice for safety handling

If handled to directions no special measures necessary

Technical Measures

Keep container tightly closed. Take care of adequate ventilation.

Personal protective equipment

Take care of adequate protecting gloves. Avoid contact with eyes.

Advice for fire- and explosion prevention

No special measures necessary

Storage:

Technical measures:

No special measures necessary.

Indigestibility Materials

alkali

Storage conditions:

Avoid frost

Recommended packaging materials:

Container of glass, metal or solvent-stable plastics.

8. Exposure Controls/Personal Protection

Personal precautions:

Respiratory-protection:

Take a breathing apparatus by effect of aerosol or fog

Hand- and skin protection:

Use gloves on base of nature latex., time of breakthrough: 120 min (EN 374). This data is only a guidance for selecting a suitable chemical-protection-glove.

General advices

Protection gloves should be changed regular, especially after intensive contact with the product.

Eye protection:

Goggles which are close to the eyes.

Hygiene measures:

Do not eat or drink while working.

9. Physical and chemical Properties

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Appearance:	colorless viscous liquid
Odour:	weak
pH-value:	ca. 2
Changes in physical state:	
Boiling-point:	ca.100°C
Congeaing point	ca. 0°C
Decomposition-temperature:	>200°C.
Flash-point:	not applicable
Explosion-limit:	not applicable
Vapour pressure:	<23mbar/20°C (Water)
Rel. Vapour-Density:	< 1 at 20°C
Density:	ca. 1,15g/cm ³ at 20°C
Solubility in water:	mixable
Viscosity	500 – 2000 mPa.s. at 20°C

10. Stability and Reactivity

Thermal decomposition:

No decomposition if handled according to directions.

Hazardous Reactions:

None, if handled according to directions

Conditions to avoid:

Heat

Materials to avoid

Alkaly

Hazardous decomposition products:

None, if handled according to directions

11. Toxicological information

Acute oral Toxicity: LD50 (Rat) > 5000 mg/kg.

Irritation of Skin:

In case of prolonged exposure irritation is possible.

Irritation of eyes:

In case of prolonged exposure irritation of mucous membrane is possible.

Additional notes:

Avoid prolonged skin contact and contact to eyes with the product. Aerosols and steam in high Concentrations could cause irritations of mucous membrane of the breathing apparatus (nose, Throat, lungs).

12. Ecological information

Persistence and degradability

The biodegradability is small. The product can be eliminated through adsorption

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Aquatic toxicity

Fish toxicity:

LC50 Brachydanio rerio (Zebrafisch), DIN 38412 Part 15 >1.000 mg/l

LC0 Leuciscus idus, DIN 38412, 48 h >1.500 mg/l

OECD 203,96 h

(Analogy)

Daphnia toxicity

EC50 Daphnia magna, different methods, 48 h >200mg/l

(Analogy)

Algae toxicity

EC10 Chlorella kessien, growth-retarding test, 95 h 30-1000 mg/l

(Analogy)

Additional information:

Avoid seeping into earth, water and drain.

13. Disposal considerations

Waste from residues:

In accordance with local, state and federal regulations the product can be given to a waste disposal site or waste incineration plant

Waste key no.: 52202 (organic acids, not containing halogen)

14. Transport informations/rules

Additional information:

No dangerous cargo.

15. Rules

Labelling according international regulations (GefStoffV/EG)

The product is to be labelled according to the EG-Rules/GefStoffV

Identification-letter and hazard denotation of the product

Xi Irritant

R-phrases

R36 Irritant to the eyes

S-phrases

S26 If contacted with eyes rinse immediately with plenty of water

S28 If contacted with skin immediately wash with water and soap

*16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe

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handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any process, unless specified in the text.

This safety data sheet only contains information relating to safety and does not replace any product information or product specification.

*indicates updated section.