

Material Safety Data Sheet

According to decree (EC) No. 1907/2006

1. Product- and Company Identification

<u>Product name:</u>	DC Glas-Ionoliner, art. No. 702204
<u>Manufacturer:</u>	DC Dental Central Großhandelsges.mbH Carl-Zeiss-Str.2 D-22946 Trittau, Germany
<u>Contact:</u>	Tel.: ++49 (0)4154/8437 0 Fax: ++49 (0)4154/8437 33

2. Hazard Identification

<u>Hazard-denotation:</u>	
Xi	Irritant
<u>Special hazard for human and environment:</u>	
R36/37/38	Irritating to eyes, respiratory organs and skin.

3. Composition/Information on Ingredients

Preparation of acrylic resin, glass powder, silica. Contains aliphatic dimethacrylate, aromatic dimethacrylate, polycarboxylic polymethacrylate.	
<u>Index-Number:</u>	607-133-00-9
<u>Hazardous ingredients:</u>	Acrylates and their derivatives
<u>Classification:</u>	Labelling
<u>Xi:</u>	R36/37/38

4. First-Aid-Measures

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

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5. Fire-fighting-measures

Extinguishing media:

Powder, sand, foam, carbon dioxide, water spray.

Not suitable extinguishing media:

Direct jet of water

6. Accidental Release Measures

Personal precautions:

Use only in well-ventilated areas.

Environmental precautions:

Do not empty into drains.

Methods for cleaning up:

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 glass, metal or solvent-stable plastics.

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8. Exposure Controls / Personal Protection

Engineering measures:

Use only in well-ventilated areas.

Personal protective equipment: -

Respiratory protection:

Do not breathe vapour.

Hand and skin protection:

Rubber gloves

Eye protection:

Goggles

Hygiene measures:

When using do not eat or drink

9. Physical and Chemical Properties

Appearance: Yellowish, highly viscous liquid

Odour: Esterlike, weak

Safety relevant data: -

pH.value: App. 3,5

Changes in physical state:

Decomposition App. 200°C

temperature:

Flashpoint: > 100°C

Explosion properties: Not established

Vapour pressure: < 1mbar/20°C

Rel. Vapour density: >1

Density: Ca. 1,3g/cm³

Solubility in water: Ca. 30g/1/20°C

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10. Stability and Reactivity

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

11. Toxicological Information

<u>Acute oral toxicity:</u>	LD 50 (rat) > 11000 mg/kg
<u>Irritation of skin:</u>	Irritating on prolonged exposure.
<u>Irritation of eye:</u>	irritating
<u>Specific effects:</u>	Allergic reactions to methacrylates are possible.

12. Ecological Information

Do not discharge into drains or the environment.	
<u>Persistence and degradability:</u>	No data available for the preparation.

13. Disposal Considerations

<u>Waste from residues:</u>	Use proper landfill disposal or incineration in accordance with local, state and federal regulations.
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14. Transport Information / Rules

<u>Additional information:</u>	No dangerous cargo according to the transportation rules.
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15. Regulatory Information

Labelling according international regulations:

Identification-letter and hazard denotation of the product:

Xi Irritant

R-phrases:

R36/37/38 Irritating to the eyes, respiratory organs and skin

S-phrases:

S26 If contacted with eyes rinse immediately with plenty of water.

S28 If contacted with skin immediately wash with water and soap

S 61 Avoid releasing to the environment. Obtain specific Directions: Consult Safety Data Sheet

16. Further Information

Further applicable EG Guidelines:

Guideline for preparation (1999/45/EC), at last changed by the guideline 2006/8/EC. Substance Guidline (67/548/EWG), at last changed by the guideline 2006/121 EC. REACH-Guidline (EC) No. 1907/2006.

Manufacturer`s suggested application restriction:

For dental use only.

R-phrases that refer to section 3:

R38-34-41 Irritant to skin, causes cauterization, causes strong eye damage.

If these products will be used as a component of an other product, this information is not applicable.

Additional Information:

Origin: ¹ <http://www.baua.de>

² <http://www.arbeitssicherheit.de>

Some of the information presented and conclusions drawn herein are from sources other than direct test-data on the product itself. The contents and format of this MSDS are in accordance with EEC Commission (EC9 No. 1907/2006.

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