

Safety Data Sheet
according to 1907/2006/EC, Article 31

Date of issue: 18.08.2014

Version: 2

Printing date: 18.08.2014

1. Identification of the substance/mixture and of the company/undertaking

Product Identifier

Trade name: HeyTec Cem SE

Use of the preparation: Dental product

Details of the supplier of the safety data sheet:

Manufacturer/supplier:

HEYDENTGmbH

Viktor Frankl Str. 20

86916 Kaufering

Germany +49 8191 9737805

info@heydent.com

2. Hazards identification

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:

Skin Irrit. 2, H315 Causes skin irritation

Eye Irrit. 2, H319 Causes serious eye irritation

STOT SE 3, H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Xi Irritant

R36/37/38 Irritating to eyes, respiratory system and skin

Information concerning particular hazards for human and environment:

The product has to be labeled due to calculation procedure for the "General Classification guideline for preparations of the EU" in the latest version.

Label elements

Labeling according to Regulation (EC) 1272/2008:

Hazard pictograms



Signal word

Warning

Labeling according to 67/548/EEC or 1999/45/EC:

Xi Irritant

R36/37/38 Irritating to eyes, respiratory system and skin.

Labeling according to EU guidelines:

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body; are exempted from the provisions of dangerous substance Directive 1999/45/EWG.

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3. Composition/Information on Ingredients						
<p>Chemical characterization:</p> <p>Description: Mixture of dimethacrylates, glass powder, fumed silica, phosphoric esters, catalysts, stabilizer, pigments</p> <p>Hazardous components:</p> <table border="0"> <tr> <td>Methacrylates</td> <td>Xi, R36/37/38</td> <td>GHS07, H315, H319, H335</td> </tr> <tr> <td>Phosphoric ester</td> <td>Xi, R36/37/38</td> <td>GHS07, H315, H319, H335</td> </tr> </table>	Methacrylates	Xi, R36/37/38	GHS07, H315, H319, H335	Phosphoric ester	Xi, R36/37/38	GHS07, H315, H319, H335
Methacrylates	Xi, R36/37/38	GHS07, H315, H319, H335				
Phosphoric ester	Xi, R36/37/38	GHS07, H315, H319, H335				
4. First-aid measures						
<p>General information: Seek medical advice, if symptoms occur, which can be caused by the product</p> <p>after skin contact: wash with plenty of water and soap</p> <p>after inhalation: fresh air</p> <p>after eye contact: Rinse opened eye for several minutes under running water and consult a doctor</p> <p>after swallowing: Seek medical advice immediately.</p>						
5. Fire fighting measures						
<p>Extinguishing media: CO2, powder, water spray. Use extinguishing method and media suitable to surrounding fire.</p> <p>Special hazards arising from the substance or mixture No further relevant information available</p> <p>Protective equipment Wear self-contained respiratory protective equipment</p>						
6. Accidental release measures						
<p>Personal precautions, protective equipment and emergency procedures: Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms</p> <p>Environmental precautions: Do not allow to enter drains/surface water/ ground-water.</p> <p>Methods for cleaning up: Absorb with liquid binding material. Forward for disposal. Clean up affected area.</p> <p>Reference to other sections: See Section 7 for information on safe handling See Section 8 for information on personal protection equipment See Section 13 for disposal information</p>						
7. Handling and storage						
<p>Handling: This product should only be supplied or handled to dentists or dental technicians or upon their instructions.</p> <p>Precautions for safe handling: Observe normal care for working with chemicals</p> <p>Information about fire and explosion protection: No special measures required</p> <p>Storage: Store at a dry place. Store tightly closed. Storage temperature 10-25°C.</p> <p>Requirements at storerooms and containers: Store only in the original containers</p> <p>Further information on storage conditions: Store away from food stuffs.</p> <p>Specific end uses: No further relevant information available</p>						

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8. Exposure controls/personal protection

Components with limits of values to be supervised at the workplace:

CAS-No.	name	art	value	unit
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The product contains no relevant quantities of components with limits of values to be supervised at the workplace.

Additional information: The lists valid during the making were used as basis

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs and beverages. Avoid contact with eyes or skin

Hand protection: Protective gloves.

Due to missing tests no recommendation to the glove material can be given for the product.

Eye protection: Safety glasses

Respiratory protection: Required, when aerosols are generated

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Form: paste

Color: different

Odor: odourless

Value	Unit	Method
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Safety relevant basic data

Melting point/melting range: n.a.

Boiling point/boiling range: n.a.

Flash point: n.a.

Ignition temperature: no information available

Danger of explosion:

Density: ca. 1,76 (20 °C) g/cm³

Vapor pressure: n.d.

pH: ca. 2

Solubility in/miscibility with:

Water: insoluble

Content of solvents: none

Organic solvents: none

10. Stability and reactivity

Thermal decomposition / conditions to be avoided

Possibility of hazardous reactions: no information available

Conditions to avoid: Heat, direct sunlight and radical starters. The product is stable by proper use. Avoid contact with alkali metals, hydrides, strong oxidizing agents, radical initiators.

Hazardous decomposition products: No information available.

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11. Toxicological information
<p>Acute toxicity: no data available</p> <p>Primary irritation:</p> <p>skin: Slight irritations.</p> <p>eye: Strong irritant</p> <p>Sensitization: Risk of skin sensitization.</p> <p>Additional toxicological information: Allergic reactions to methacrylates after long-term exposure are possible. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.</p>
12. Ecological information
<p>General information: Avoid transfer into environment</p> <p>Classification of water endangerment: WGK=1 (slightly polluting substance).</p>
13. Disposal considerations
<p>Product:</p> <p>Recommendation: Use proper landfill disposal or incineration in accordance with local, state and federal regulations.</p> <p>Uncleaned packaging:</p> <p>Recommendation: Disposal must be made according to official regulations</p>
14. Transport information
<p>Land transport ADR/RID and GGVS/GGVE (Germany): Not classified as dangerous goods.</p> <p>Sea transport IMDG: Not classified as dangerous goods.</p> <p>Air transport ICAO-TI and IATA-DGR: Not classified as dangerous goods.</p>
15. Regulatory information
<p>Classification according to EC-guidelines: The product is a medical device according to EC-directive 93/42 EEC.</p> <p>Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</p>
16. Other information:
<p>Changes compared with the previous version:</p> <p>The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.</p>