

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Date of issue: 21.03.2019  
 Printing date: 21.03.2019

Version: 1

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

#### **Product Identifier**

**Trade name:** Harvard TEMP Cem Esthetic

**Use of the preparation:** Dental product

**Details of the supplier of the safety data sheet:**

#### **Manufacturer/supplier:**

Harvard Dental International GmbH,  
 Margaretenstraße 2-4,  
 15366 Hoppegarten, Germany  
 info@harvard-dental-international.de

#### **Emergency telephone number:**

+ 49 (0) 30 99 28 978-0 (Quality Management)

### **2. Hazards identification**

#### **Classification of the substance or mixture:**

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

Skin Irritation, Category 2; H315 Causes skin irritation

Eye Irritation, Category 2; H319 Causes serious eye irritation

STOT SE, Category 3, H335 May cause respiratory irritation

Acute aquatic toxicity, Category 1, H400 Very toxic to aquatic life

Chronic aquatic toxicity, Category 1, H410 Very toxic to aquatic life with long lasting effects

#### **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of the „General classification guideline for preparations of the EU“ in the latest valid version.

#### **Classification system:**

The classification corresponds to actual EU-lists, and completed with details from technical literature and company data.

#### **Label elements:**

#### **Labeling according to Regulation (EC) 1272/2008:**

#### **Hazard pictograms**



#### **Signal word**

Warning

#### **Hazard statements**

#### **Hazard statements**

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

#### **Precautionary statements**

P262 Do not get in eyes, on skin or on clothing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P273 Avoid release to the environment

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**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 Regulation (EC) No. 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

**Other hazards****Results of PBT and vPvB assessment****PBT:** not applicable**vPvB:** not applicable**3. Composition/Information on Ingredients****Chemical characterization:** Mixture**Description of the mixture:** Mixture of organic acids, zinc oxide and methacrylates**Hazardous components:**

Methacrylates [Index-No. 607-134-00-4]	GHS07, H315, H319, H335
Mixture of organic acids	GHS07, H315, H319, H335
Zinc Oxide [CAS-No. 1314-13-2]	GHS09, H410, H411

**4. First-aid measures****General information:** no special measures required**after skin contact:** wash with plenty of water and soap**after eye contact:** Rinse opened eye for several minutes under running water and consult a doctor**after swallowing:** Seek medical advice immediately**5. Fire fighting measures****Extinguishing media:**CO<sub>2</sub>, powder, water spray.

Use extinguishing method and media suitable to surrounding fire

**Special hazards arising from the substance or mixture** No further relevant information available**Protective equipment** Wear self-contained respiratory protective equipment**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****Environmental precautions:**

Do not allow to enter drains/surface water/ ground-water.

**Methods for cleaning up:**

Take up mechanically. Clean up affected area.

**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

**7. Handling and storage****Handling:** This product should only be supplied or handled to dentists or dental technicians or upon their instructions.**Precautions for safe handling:** Observe normal care for working with chemicals**Information about fire and explosion protection:** No special measures required**Storage:****Requirements at storerooms and containers:** Store only in the original containers**Further information on storage conditions:**

Store at dry place, storage temperature 8 - 25°C. Store away from food stuffs.

**Specific end uses:** No further relevant information available

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#### 8. Exposure controls/personal protection

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

The product contains no relevant quantities of components with limit 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.

**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**

<b>Form:</b>	paste		
<b>Color:</b>	white yellowish		
<b>Odor:</b>	odorless		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>

**Safety relevant basic data**

<b>Melting point/melting range:</b>	n.a.		
<b>Boiling point/boiling range:</b>	n.a.		
<b>Flash point:</b>	n.a.		
<b>Ignition temperature:</b>	Product is not selfigniting		
<b>Danger of explosion:</b>	None		
<b>Density:</b>	1,42 (20 °C)	g/cm <sup>3</sup>	
<b>Vapor pressure:</b>	Not applicable (non volatile)		
<b>Solubility in/miscibility with:</b>	slightly in toluene, organic solvents		
<b>Water:</b>	insoluble		
<b>Content of solvents:</b>	none		
<b>Organic solvents:</b>	none		

#### 10. Stability and reactivity

**Thermal decomposition / conditions to be avoided**

No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reaction known

**Conditions to avoid:** avoid heat, direct sunlight

**Incompatible materials:** Peroxides, metal powders, strong oxidizers, free radical initiators

**Hazardous decomposition products:** No dangerous decomposition products known.

#### 11. Toxicological information

Allergic reactions to methacrylates by chronic exposure to the product are possible

**Acute toxicity:**

**Primary irritation:**

**skin:** slight irritating

**eye:** irritating effect

**Sensitization:** no sensitizing effect known

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**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**12. Ecological information****Toxicity:**

**Aquatic toxicity:** May cause long term adverse effect in the aquatic environment

**Persistence and degradability:** No further relevant information available

**Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available

**Mobility in soil** No further relevant information available

**General information:** Do not allow product into surface water or sanitary sewer system

**13. Disposal considerations****Product:****Recommendation:**

Use proper landfill disposal or incineration in accordance with local, state and federal regulations

**Uncleaned packaging:** Handle contaminated packaging in the same way as the substance itself.

**Recommendation:** Disposal must be made according to official regulations

**14. Transport information****Land transport ADR/RID and GGVS/GGVE (Germany)**

ADR, RID

UN 3077 UMWELTGEFÄHRDENDER STOFF, FEST N.A.G (Zinkoxid), III, 9

**Sea transport IMDG**

IMDG-Code

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), 9, III

EmS: F-A S-F

**Air transport ICAO-TI and IATA-DGR**

CAO, PAX

UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), 9, III

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

**15. Regulatory information****Classification according to EC-guidelines:**

The product is a medical device according to EC-directive 93/42 EEC.

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**16. Other information:****Changes compared with the previous version:**

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.