

# Safety Information Sheet for Medical Devices following 1907/2006/EG, Article 31

Date of issue: 26.04.2024  
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Version: 1

This product is a medical device as defined in Directive 93/42/EEC on medical devices (MDD) respectively Regulation (EU) 2017/745 (MDR), which is invasive or used in direct physical contact with the human body. For this product a safety data sheet is not legally required. The provision of this document is on a voluntary basis.

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name:**

**Harvard RestoreFlow**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:**

Dental product.

**Restrictions on use:**

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

### 1.3 Details of the supplier of the safety information sheet

**Manufacturer/supplier:**

Harvard Dental International GmbH

Margaretenstrasse 2-4

15366 Hoppegarten, Germany

info@harvard-dental-international.de

### 1.4 Emergency telephone number

+49 30 99 28 978-0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Medical devices as defined in Directive 93/42/EEC on medical devices (MDD) respectively Regulation (EU) 2017/245, which are invasive or used in direct physical contact with the human body are exempt from labeling requirements of Regulation (EC) No. 1272/2008 (CLP/GHS). Although not required, classification and labeling are indicated as follows:

**Classification:**

Skin irritation, Category 2; H315 Causes skin irritation.

Eye irritation, Category 2; H319 Causes serious eye irritation.

Skin Sensitization, Category 1; H317 May cause allergic skin reaction.

### 2.2 Label elements

**CLP Regulation (EC) No. 1272/2008**

**Signal word:**

Warning.

**Hazard pictograms:**



GHS07

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**Hazard statements:**

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause allergic skin reaction.

**Precautionary statements:**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.

**2.3 Other hazards**

**Results of PBT and vPvB assessment:**

PBT:	not applicable.
vPvB:	not applicable.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

**Chemical characterization (description):**

Dimethacrylates, dental glass, silicon dioxide, photo initiators.

**Hazardous components:**

Methacrylate	GHS07, H315, H319, H317, H335
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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

Seek medical advice, if symptoms occur, which can be caused by the product.

**after skin contact:**

wash with plenty of water and soap.

**after inhalation:**

fresh air.

**after eye contact:**

rinse with plenty of water and consult a doctor.

**after swallowing:**

if symptoms persist consult a doctor.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Extinguishing media:**

CO<sub>2</sub>, extinguishing powder, water spray. Use extinguishing method and media suitable to surrounding fire.

**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**Protective equipment:**

Wear self-contained respiratory protective equipment.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions:**

Not required.

**6.2 Environmental precautions**

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

**6.3 Methods and material for containment and cleaning up**

Pick up mechanically. Clean up affected area.

**6.4 Reference to other sections**

See Section 7: Handling and storage

See Section 8: Exposure controls/personal protection

See Section 13: Disposal considerations

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Handling:**

This product should only be supplied or handled to dentists or dental technicians or upon their instructions.

**Information for safe handling:**

Observe normal care for working with chemicals.

**Information about fire and explosion protection:**

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

Store at a dry place. Store tightly closed. Storage temperature < 25°C.

**Requirements at storerooms and containers:**

Store only in the original containers.

**Information about storage in one common storage facility:**

Store away from food stuffs.

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**Further information on storage conditions:**

None.

**Storage class:**

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**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Additional information on the design of technical systems:**

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

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.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Normal 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.

**Respiratory protection:**

Required, when aerosols are generated.

**Hand protection:**

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

**Eye protection:**

Safety glasses.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance:**

Form:	paste
Color:	tooth colored
Odor:	odorless

**Change in condition:**

Melting point/melting range:	not applicable
Boiling point/boiling range:	not applicable
Flash point:	not determined
Ignition temperature:	not determined
Danger of explosion:	none
Density:	1.75 (20°C) g/cm <sup>3</sup>

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Vapor pressure:	not applicable
pH:	neutral
Solubility in/miscibility with:	partially soluble in toluene, silicone oil
Water:	insoluble
Content of solvents:	none
Organic solvents:	none

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Expected to be non-reactive under normal conditions of use.

### **10.2 Chemical stability**

The product is stable by proper use and storage.

Reaction with light (risk of polymerization).

### **10.4 Conditions to avoid**

Heat, sunlight, peroxides, metal powder, strong oxidizing agents, radical initiators.

### **10.6 Hazardous decomposition products**

No information available.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity:**

No data available.

#### **Primary irritation:**

**Skin:** irritant.

**Eye:** irritant.

**Sensitization:** sensitization by skin contact possible.

#### **Additional toxicological information:**

Allergic reactions to the product 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.

## **SECTION 12: Ecological information**

### **General information:**

Avoid transfer into environment.

### **Classification of water endangerment:**

WGK=1 (slightly polluting substance).

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation:**

Small quantities can be disposed of with household waste.  
Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

**Uncleaned packaging:**

**Recommendation:**

Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**Land transport ADR/RID and GGVSE (Germany):**

No subject to transport regulations.

**Sea transport IMDG Code:**

No subject to transport regulations.

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

No subject to transport regulations.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations:**

Water endangerment WGK=1 (slightly polluting substance).

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information**

For invasive medical devices or medical devices in direct contact with the human body, the Medical Device Regulation does not require a safety data sheet. The safe use of the product is indicated in the instructions for use and/or the labeling.

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. Users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.