

**Safety data sheet  
According to 91/155 EEC**

Printing date 01.06.2015

Revision: 01.06.2015

Hazardous according to criteria of Australian Safety and Compensation Council

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


- **Product identifier**
  - **Trade name: Heravest**
    - - Heravest Premium 2, -Speed, -M, -M 2000, -Saphir, -Onyx, -Press
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Auxiliary for manufacture of dental prothesis
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Heraeus Kulzer GmbH  
Grüner Weg 11, D-63450 Hanau  
Tel.: 0800 4372522
  - **Informing department:** E-Mail: msds@kulzer-dental.com
- **Emergency telephone number:**  
Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

**2 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:** -

· <b>Dangerous components:</b>			
CAS: 14808-60-7 EINECS: 238-878-4	Quartz	STOT RE 1, H372	25-50%
CAS: 14464-46-1 EINECS: 238-455-4	cristobalite	STOT RE 1, H372	25-50%
CAS: 1309-48-4 EINECS: 215-171-9	magnesium oxide		5-10%

**3 Hazards identification**

- **Classification of the substance or mixture**  
STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.
- **Label elements**
  - **GHS label elements**  
The product is classified and labelled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**  
  
GHS08
  - **Signal word** Danger
  - **Hazard-determining components of labelling:**  
Quartz  
cristobalite
  - **Hazard statements**  
Causes damage to organs through prolonged or repeated exposure.
  - **Precautionary statements**  
Do not breathe dust/fume/gas/mist/vapours/spray.

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· **Other hazards -**

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**4 First aid measures**

- **After inhalation**  
Supply fresh air.  
Seek immediate medical advice.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water.

**5 Firefighting measures**

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** No special measures required.
- **Additional information -**

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Avoid causing dust.  
Use breathing protection against the effects of fumes/dust/aerosol.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Collect mechanically.  
Send for recovery or disposal in suitable containers.
- **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 information on disposal.

**7 Handling and storage**

- **Precautions for safe handling**  
Wear protective equipment. Keep unprotected persons away.  
Waste air is to be released into the atmosphere only via suitable separators.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
  - **Requirements to be met by storerooms and containers:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.

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· **Components with critical values that require monitoring at the workplace:**

**1309-48-4 magnesium oxide**

NES (Australia)	Long-term value: 10 mg/m <sup>3</sup>
PEL (USA)	Long-term value: 15* mg/m <sup>3</sup> fume; *total particulate
TLV (USA)	Long-term value: 10* mg/m <sup>3</sup> *as inhalable fraction

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
  - **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Wash hands during breaks and at the end of the work.
  - **Breathing equipment:** Filter P1.
    - **Recommended filter device for short term use:**  
P2 (FFP 2 EN 149:2001) / P3 (FFP 3 EN 149:2001)
  - **Protection of hands:** Not required.
    - **For the permanent contact gloves made of the following materials are suitable:**  
Natural rubber, NR
  - **Eye protection:** not absolutely necessary
  - **Body protection:** Light weight protective clothing

### 9 Physical and chemical properties

· **General Information**

· **Appearance:**

- **Form:** Powder
- **Colour:** Whitish
- **Smell:** Odourless
- **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** > 999 °C

· **Flash point:** Not applicable

· **Inflammability (solid, gaseous)** Not determined.

· **Ignition temperature:**

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Critical values for explosion:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Steam pressure:** Not applicable.

· **Density**

- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.

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- |   |  |
|---|--|
| <b>· Solubility in / Miscibility with</b>         |  |
| · <b>Water:</b>                                   | Unsoluble                                  |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| · <b>dynamic:</b>                                 | Not applicable.                            |
| · <b>kinematic:</b>                               | Not applicable.                            |
| · <b>Solvent content:</b>                         |  |
| · <b>Solids content:</b>                          | 100.0 %                                    |
| · <b>Other information</b>                        | No further relevant information available. |

**10 Stability and reactivity**

- **Conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Ammonia
- **Additional information:** -

**11 Toxicological information**

- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

**12 Ecological information**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Avoid transfer into the environment.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - **European waste catalogue**
- |           |  |
|-----------|--|
| 18 01 06* | chemicals consisting of or containing dangerous substances |
|-----------|--|
- **Uncleaned packagings:**
  - **Recommendation:**  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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### 14 Transport information

- |  |                 |
|--|-----------------|
| · <b>UN-Number</b><br>· ADG, ADN, IMDG, IATA                                     | Void            |
| · <b>UN proper shipping name</b><br>· ADG<br>· ADN, IMDG, IATA                   | Void<br>Void    |
| · <b>Transport hazard class(es)</b><br>· ADG, ADN, IMDG, IATA<br>· Class         | Void            |
| · <b>Packing group</b><br>· ADG, IMDG, IATA                                      | Void            |
| · <b>Environmental hazards:</b><br>· Marine pollutant:                           | No              |
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>Transport/Additional information:</b>                                       | -               |
| · <b>UN "Model Regulation":</b>  | -               |

### 15 Regulatory information

- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
Quartz  
cristobalite
- **Hazard statements**  
Causes damage to organs through prolonged or repeated exposure.
- **Precautionary statements**  
Do not breathe dust/fume/gas/mist/vapours/spray.

### 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H372 Causes damage to organs through prolonged or repeated exposure.
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association

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EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
· \* **Data compared to the previous version altered.**

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