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

· Product identifier
  · Trade name: HeraCeram, HeraCeramSun, HeraCeram Zirkonia
  · Dentine, Enamel, Transpa, Opal, Gingiva
  · Correction material, Shoulder material, Opaquers
  · Glaze material, Stains, Modifier

· Relevant identified uses of the substance or mixture and uses advised against
  No further relevant information available.

· Application of the substance / the mixture
  Manufacture of dental prosthesis

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier: Heraeus Kulzer Australia Pty Ltd
    Unit 32
    11 – 21 Underwood Rd
    HOMEBUS NSW 2140
    Australia
    Tel: +61 (0) 2 9764 5222

  · Informing department: see above
  · Emergency telephone number: Emergency contact number: 13 11 26 (24 hours)

2 Hazards identification

· Classification of the substance or mixture
  The substance is not classified according to the Globally Harmonised System (GHS).

· Label elements
  · GHS label elements Void
    · Hazard pictograms Void
    · Signal word Void
    · Hazard statements Void

· Other hazards
  · Results of PBT and vPvB assessment
    · PBT: Not applicable.
    · vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterisation: Substances
  · CAS No. Designation: ceramic
  · Identification number(s): -

4 First aid measures

· Description of first aid measures
  · General information No special measures required.
  · After skin contact The product is not skin irritating.

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Trade name: HeraCeram, HeraCeramSun, HeraCeram Zirkonia

- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Rinse out mouth and then drink plenty of water.
  - In case of persistent symptoms consult doctor.
- **Information for doctor**
  - Most important symptoms and effects, both acute and delayed No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed No further relevant information available.

*5 Firefighting measures*
- **Extinguishing media**
  - Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
  - Special hazards arising from the substance or mixture No further relevant information available.
- **Advice for firefighters**
  - Protective equipment: No special measures required.
  - Additional information -

*6 Accidental release measures*
- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions**: No special measures required.
- **Methods and material for containment and cleaning up**: Collect mechanically.
- **Reference to other sections**
  - No dangerous materials are released.
  - See Section 8 for information on personal protection equipment.
  - -

*7 Handling and storage*
- **Handling**
  - Precautions for safe handling Prevent formation of dust.
  - Information about protection against explosions and fires: No special measures required.
  - Conditions for safe storage, including any incompatibilities
    - 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.

(Contd. of page 1)
Control parameters

Components with critical values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures
The usual precautionary measures should be adhered to in handling the chemicals.

Breathing equipment: Filter P1.

Protection of hands:
Check protective gloves prior to each use for their proper condition. Recommended

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
Butyl rubber, BR
Nitrile rubber, NBR

Eye protection: not absolutely neccessary

Body protection: Light weight protective clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:
Form: Powder
Colour: According to product specification

Smell: Odourless
Odour threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range: 900 °C
Boiling point/Boiling range: Not determined

Flash point: Not applicable

Inflammability (solid, gaseous) Not determined.
Trade name: HeraCeram, HeraCeramSun, HeraCeram Zirkonia

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
  - Conditions to be avoided: No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: None
- Additional information: -

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity
    - Primary irritant effect:
      - Skin corrosion/irritation: No irritant effect.
      - Serious eye damage/irritation: No irritant effect.
      - Respiratory or skin sensitisation: No sensitizing effect known.
Trade name: HeraCeram, HeraCeramSun, HeraCeram Zirkonia

· **Additional toxicological information:**
  - When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - The material is not subject to classification according to EC lists in the last version.

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
  - **Persistence and degradability** No further relevant information available.
  - **Behaviour in environmental systems:**
    - **Bioaccumulative potential** No further relevant information available.
    - **Mobility in soil** No further relevant information available.
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.
  - **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation** Smaller quantities can be disposed with household garbage.

- **Uncleaned packagings**
  - **Recommendation:** Packaging can be reused or recycled after cleaning.

### 14 Transport information

- **UN-Number**
  - ADG, ADN, IMDG, IATA: Void
- **UN proper shipping name**
  - ADG, ADN, IMDG, IATA: Void
- **Transport hazard class(es)**
  - ADG, ADN, IMDG, IATA
    - **Class** Void
- **Packing group**
  - ADG, IMDG, IATA: Void
- **Environmental hazards:**
  - **Marine pollutant:** No
- **Special precautions for user**
  - Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code**
  - Not applicable.
- **Transport/Additional information:** -

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Safety data sheet  
according to 1907/2006/EC, Article 31

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - GHS label elements: Void
  - Hazard pictograms: Void
  - Signal word: Void
  - Hazard statements: Void

- National regulations
  - Water hazard class: Generally not hazardous for water.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- Abbreviations and acronyms:
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - 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
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative

- * Data compared to the previous version altered.