

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/17/2011

Reviewed on 01/17/2011

1 Identification of substance:· **Product details:**· **Trade name: Venus Bulk Fill**· **Application of the substance / the preparation** Dental filling material· **Manufacturer/Supplier:**Heraeus Kulzer GmbH
Grüner Weg 11, D-63450 Hanau

Tel.: 0800 4372522

· **Information department:**Dr. Kupka
Tel.: +49 6081 959-363
email: joerg.kupka@heraeus.com**2 Hazards identification**· **Hazard description:** not applicable· **Information pertaining to particular dangers for man and environment***The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*· **Classification system**· **NFPA ratings for USA (scale 0-4)**Health = 0
Fire = 1
Reactivity = 0· **HMIS-Ratings (Scale 0-4)**Health = 0
Fire = 1
Reactivity = 0**3 Composition/Data on components:**· **Chemical characterization**· **Description:** -· **Dangerous components:** Void**4 First aid measures**· **General information** No special measures required.· **After inhalation** Supply fresh air; consult doctor in case of complaints.· **After skin contact** Immediately wash with water and soap and rinse thoroughly.· **After eye contact** Rinse opened eye for several minutes under running water.· **After swallowing** Rinse out mouth and then drink plenty of water.**5 Fire fighting measures**· **Suitable extinguishing agents**CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

· **Protective equipment:** No special measures required.

(Contd. on page 2)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/17/2011

Reviewed on 01/17/2011

Trade name: **Venus Bulk Fill**· **Additional information -**

(Contd. of page 1)

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:**
See Section 13 for disposal information.
See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
 - **Information for safe handling:** No special measures required.
 - **Information about protection against explosions and fires:** No special measures required.
- **Storage**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
Store in dry conditions.
Keep cool, if possible (not above 25 °C).

8 Exposure controls and personal protection

- **Components with limit 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 creation were used as basis.
- **Personal protective equipment**
 - **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
 - **Breathing equipment:** Not required.
 - **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **Penetration time of glove material**
The exact break through 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:**
PVC or PE gloves
Natural rubber, NR
 - **Eye protection:**
Protective goggles are recommended.
Not absolutely necessary.
 - **Body protection:** Light weight protective clothing

-USA

(Contd. on page 3)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/17/2011

Reviewed on 01/17/2011

Trade name: **Venus Bulk Fill**

(Contd. of page 2)

9 Physical and chemical properties:· **General Information**

- | | |
|-----------------|--------------------|
| · Form: | Pasty |
| · Color: | White
Yellowish |
| · Odor: | Odorless |

· **Change in condition**

- **Melting point/Melting range:** undetermined
- **Boiling point/Boiling range:** undetermined

· **Flash point:** > 100°C (> 212°F)· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Density at 20°C (68°F):** 1.9 g/cm³· **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix

10 Stability and reactivity

- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** none
- **Additional information:** -

11 Toxicological information· **Acute toxicity:**· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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.

12 Ecological information:

- **General notes:** Avoid transfer into the environment.

13 Disposal considerations· **Product:**

- **Recommendation** Smaller quantities can be disposed of with household waste.

· **Uncleaned packagings:**

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

- USA -

(Contd. on page 4)

Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 01/17/2011

Reviewed on 01/17/2011

Trade name: **Venus Bulk Fill**

(Contd. of page 3)

14 Transport information

- DOT regulations:
 - Hazard class: -
- Land transport ADR/RID (cross-border)
 - ADR/RID class: -
- Maritime transport IMDG:
 - IMDG Class: -
 - Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
 - ICAO/IATA Class: -
- Transport/Additional information: -

15 Regulations

- **SARA Section 355 (extremely hazardous substances)**
None of the ingredients is listed.
- **SARA Section 313 (specific toxic chemical listings)**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act)** Medical devices are exempted from TSCA.
- **Prop 65 - Chemicals known to cause cancer**
None of the ingredients is listed.
- **Carcinogen categories**
 - **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
 - **IARC (International Agency for Research on Cancer)**

7631-86-9	silicon dioxide, chemically prepared	3
	Butyl-hydroxy-toluol	3
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**
Butyl-hydroxy-toluol A4
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.
- **Markings according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

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.

- **Department issuing MSDS:** Safety department

(Contd. on page 5)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/17/2011

Reviewed on 01/17/2011

Trade name: Venus Bulk Fill

(Contd. of page 4)

Contact:

Dr. Thiele Tel.: (+49) 6181 35-3012

email: ruediger.thiele@heraeus.com

Frau Kampe 07621 907-233

· * **Data compared to the previous version altered.**

USA