

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

Printing date 29.05.2013

Version number 3.1

Document: MPU201303UK

Trade name: Vertex Putty 1:1

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

- **1.1 Product identifier**
  - Trade name: Vertex Putty 1:1
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.
- **Application of the substance / the preparation**

Two-component addition cure silicone putty for dental technology
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Vertex-Dental B.V.  
Johan van Oldenbarneveltlaan 62  
3705 HJ Zeist The  
Netherlands  
info@vertex-dental.com
- **Further information obtainable from:** Department of product security.
- **1.4 Emergency telephone number:**

+31 30 69 767 49 This number is serviced during office hours.

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
  - **Information concerning particular hazards for human 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:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
  - **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
  - **Description:** Polydimethylsiloxanes with inorganic filler material.
  - **Dangerous components:** Void.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** The product can't be breathed in under normal circumstances.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:**

Rinse opened eye for several minutes under running water.  
In case of troubles or persistent symptoms, consult an ophthalmologist.

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- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **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:** None.
- **Storage class:** No information available.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients 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 valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.

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• **Protection of hands:**

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

• **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. 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Not suitable are gloves made of the following materials:** Natural rubber, NR

• **Eye protection:** Not required.

• **Body protection:** Protective work clothing.

**SECTION 9: Physical and chemical properties**

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

• **General Information**

• **Appearance:**

**Form:** Pasty  
**Colour:** Component A: grey, Component B: blue  
**Odour:** Odourless

• **pH-value:** Not applicable.

• **Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

• **Flash point:** Not determined.

• **Self-igniting:** Product is not self-igniting.

• **Danger of explosion:** Product does not present an explosion hazard.

• **Density at 20 °C:** 1.9 g/cm<sup>3</sup>

• **Solubility in / Miscibility with**

**water:** Insoluble.

• **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

• **10.1 Reactivity** No data available.

• **10.2 Chemical stability** No decomposition if used according to specifications.

• **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

• **10.3 Possibility of hazardous reactions** No further relevant information available.

• **10.4 Conditions to avoid** No further relevant information available.

• **10.5 Incompatible materials:**

Reacts with alkali, amines and strong acids.

Reacts with various metals.

The reactions are taking place while releasing hydrogen: risk of explosion.

• **10.6 Hazardous decomposition products:** No further relevant information available.

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**SECTION 11: Toxicological information**

• **11.1 Information on toxicological effects**

- **Acute toxicity:** No data available.
- **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 to our experience and the information provided to us.

**SECTION 12: Ecological information**

• **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

• **Additional ecological information:**

- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

• **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

• **13.1 Waste treatment methods**

- **Recommendation** Waste disposal according to official state regulations.

• **Waste disposal key:**

The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.

• **European waste catalogue**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

• **Uncleaned packaging:**

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

**SECTION 14: Transport information**

• **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** Void.

• **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void.

• **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**
- **Class** Void.

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· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void.
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

- **Department issuing MSDS:** Department of product security.
- **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  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals