

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

Printing date 29.12.2016




Version number 10

Revision: 29.12.2016

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

- 1.1 Product identifier
- Trade name *Servoperl Royal und Servoperl Royal schnell*
- 1.2 Relevant identified uses of the substance or mixture and uses advised against *none*
- Sector of Use *SU21 Consumer uses: Private households / general public / consumers  
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)*
- Application of the substance / the mixture *Sealing mortar*
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: *Kiesel Bauchemie GmbH & Co. KG  
 Wolf-Hirth-Str. 2  
 D-73730 Esslingen  
 Tel.: +49(0)711/93134-0  
 Fax: +49(0)711/93143-140  
 E-Mail: sida@kiesel.com*
- Informing department: *Laboratory, departments of environmental protection and labor protection*
- 1.4 Emergency telephone number: *Poison Information Center Freiburg Tel.: +49(0)761/ 19240 (24h German and English)*

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
-  **GHS05 corrosion**  
*Eye Dam. 1 H318 Causes serious eye damage.*
-  **GHS07**  
*Skin Irrit. 2 H315 Causes skin irritation.*
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 *The product is classified and labelled according to the CLP regulation.*
- Hazard pictograms
  - 
  - GHS05**
- Signal word *Danger*
- Hazard-determining components of labelling: *Portland Cement*
- Hazard statements *H315 Causes skin irritation.  
 H318 Causes serious eye damage.*

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- **Precautionary statements**
  - P102** *Keep out of reach of children.*
  - 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.*
  - P332+P313** *If skin irritation occurs: Get medical advice/attention.*
  - P302+P352** *IF ON SKIN: Wash with plenty of water.*
  - P362+P364** *Take off contaminated clothing and wash it before reuse.*
  - P501** *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **2.3 Other hazards** *This mixture does not contain a substance considered to be persistent, bioaccumulative or toxic (PBT) becomes. This mixture does not contain a substance which is considered to be very persistent or very bioaccumulative (vPvB) (If not mentioned in section 3).*
- **Results of PBT and vPvB assessment**
  - **PBT:** *Not applicable.*
  - **vPvB:** *Not applicable.*

### SECTION 3: Composition/information on ingredients

#### · 3.2 Chemical characterisation: Mixtures

##### · Dangerous components:

|                          |  |                  |
|--------------------------|--|------------------|
|                          | <b>Tonerdeschmelzzement</b>  | <b>&lt;25%</b>   |
|                          |  <i>Skin Irrit. 2, H315; Eye Irrit. 2, H319</i> |                  |
|                          | <b>Portland Cement</b>   | <b>3-&lt;5%</b>  |
|                          |  <i>Eye Dam. 1, H318</i>                        |                  |
|                          |  <i>Skin Irrit. 2, H315; STOT SE 3, H335</i>    |                  |
| <b>CAS: 13463-67-7</b>   | <b>titanium dioxide</b>  | <b>3-&lt;10%</b> |
| <b>EINECS: 236-675-5</b> | <b>substance with a Community workplace exposure limit</b>   |                  |

· **Additional information** *For the wording of the listed hazard phrases refer to section 16.*

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **General information** *Immediately remove contaminated clothing.*
- **After inhalation** *In case of unconsciousness bring patient into stable side position for transport.*
- **After skin contact** *Instantly wash with water and soap and rinse thoroughly.*
- **After eye contact** *Instantly rinse with water.*
- **After eye contact** *Rinse opened eye for several minutes under running water. Then consult doctor.*
- **After swallowing** *In case of persistent symptoms consult doctor.*
- **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

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- 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
- 5.2 Special hazards arising from the substance or mixture
- 5.3 Advice for firefighters
- Protective equipment:

*The product itself does not burn.*

*Formation of toxic gases is possible during heating or in case of fire.*

*Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.*

### **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures
- 6.2 Environmental precautions:
- 6.3 Methods and material for containment and cleaning up:
- 6.4 Reference to other sections

*Not required.*

*No special measures required.*

*Use neutralising agent.*

*Dispose of contaminated material as waste according to item 13.*

*See Section 7 for information on safe handling*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for information on disposal.*

### **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling
- Information about protection against explosions and fires:
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers:
- Information about storage in one common storage facility:
- Further information about storage conditions:
- 7.3 Specific end use(s)

*Thorough dedusting.*

*Do not leave the container standing open. protected above to humidity*

*No special measures required.*

*No special requirements.*

*Not required.*

*Keep container tightly sealed.*

*No further relevant information available.*

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### SECTION 8: Exposure controls/personal protection

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

· *8.1 Control parameters*

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

*Portland Cement*

**WEL** Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
 \*inhalable dust \*\*respirable dust

**CAS:** 13463-67-7 titanium dioxide

**WEL** Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
 \*total inhalable \*\*respirable

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

· *8.2 Exposure controls*

· *Personal protective equipment*

· *General protective and hygienic measures*

*Keep away from foodstuffs, beverages and food.  
 Instantly remove any soiled and impregnated garments.  
 Wash hands during breaks and at the end of the work.  
 Avoid contact with the skin.*

*Avoid contact with the eyes and skin.*

· *Breathing equipment:*

*Not necessary if room is well-ventilated.*

· *Protection of hands:*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Protective gloves.*

*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*

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

· *Eye protection:*

*Safety glasses*

*Tightly sealed safety glasses.*

### SECTION 9: Physical and chemical properties

· *9.1 Information on basic physical and chemical properties*

· *Appearance:*

*Form:* *Powder*

*Colour:* *According to product specification*

· *Smell:* *Light*

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|   |   |
|---|---|
| • <b>Odour threshold:</b>                                     | <i>Not determined.</i>                            |
| • <b>pH-value at 20 °C:</b>                                   | <i>11</i>   |
| • <b>Change in condition</b><br>Melting point/freezing point: | <i>Not determined</i>                             |
| Initial boiling point and boiling range:                      | <i>2230 °C<br/>not apply</i>                      |
| • <b>Flash point:</b>   | <i>Not applicable</i>                             |
| • <b>Inflammability (solid, gaseous)</b>                      | <i>Not determined.</i>                            |
| • <b>Ignition temperature:</b>                                |   |
| Decomposition temperature:                                    | <i>Not determined.</i>                            |
| • <b>Self-inflammability:</b>                                 | <i>Product is not selfigniting.</i>               |
| • <b>Explosive properties:</b>                                | <i>Product is not explosive.</i>                  |
| • <b>Critical values for explosion:</b><br>Lower:             | <i>Not determined.</i>                            |
| Upper:  | <i>Not determined.</i>                            |
| • <b>Steam pressure:</b>                                      | <i>Not applicable.</i>                            |
| • <b>Density at 20 °C</b>                                     | <i>1.5 g/cm<sup>3</sup></i>                       |
| • <b>Relative density</b>                                     | <i>Not determined.</i>                            |
| • <b>Vapour density</b>                                       | <i>Not applicable.</i>                            |
| • <b>Evaporation rate</b>                                     | <i>Not applicable.</i>                            |
| • <b>Solubility in / Miscibility with Water:</b>              | <i>is setting hydraulically</i>                   |
| • <b>Partition coefficient: n-octanol/water:</b>              | <i>Not determined.</i>                            |
| • <b>Viscosity:</b><br>dynamic:                               | <i>Not applicable.</i>                            |
| kinematic:  | <i>Not applicable.</i>                            |
| • <b>Solvent content:</b><br>Organic solvents:                | <i>0.0 %</i>                                      |
| • <b>9.2 Other information</b>                                | <i>No further relevant information available.</i> |

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

|  |   |
|--|---|
| • <b>10.1 Reactivity</b>                         | <i>No further relevant information available.</i> |
| • <b>10.3 Possibility of hazardous reactions</b> | <i>No dangerous reactions known</i>               |
| • <b>10.4 Conditions to avoid</b>                | <i>No further relevant information available.</i> |
| • <b>10.5 Incompatible materials:</b>            | <i>No further relevant information available.</i> |
| • <b>10.6 Hazardous decomposition products:</b>  | <i>None known.</i>                                |

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### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*
- **LD/LC50 values that are relevant for classification:**
- **CAS: 13463-67-7 titanium dioxide**
- **Oral LD50 >10000 mg/kg (rat)**
- **Primary irritant effect:**
- **Skin corrosion/irritation** *Causes skin irritation.*
- **Serious eye damage/irritation** *Causes serious eye damage.*
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
- **Long-Term effekts** *Prolonged exposure by chronic inflammation in the airways may be caused by a high dust load. Prolonged and continued repeated inhalation of respirable crystalline silica dust can cause silicosis, a nodular connective tissue in the lungs. Silicosis is caused by deposition of respirable crystalline silica dust in the air sacs (alveoli). The effect of silica fume is a long-term effect and depends largely on the dust dose by the average dust concentration applied over a longer period (respirable fraction) is determined. A connection between inhalation exposure to respirable quartz dust or cristobalithhaltigen and an increased risk of lung cancer was found in epodermologischen studies.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard** *Based on available data, the classification criteria are not met.*

### 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 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

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**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
  - Recommendation *Disposal according to official regulations*
  - further Notes *Mix product residue with water, allow to harden, then dispose as Construction Waste.*
- Uncleaned packagings:
  - Recommendation: *Disposal must be made according to official regulations.*

**SECTION 14: Transport information**

- |   |   |
|---|---|
| • 14.1 UN-Number<br>• ADR, ADN, IMDG, IATA                                | <i>Void</i>   |
| • 14.2 UN proper shipping name<br>• ADR, ADN, IMDG, IATA                  | <i>Void</i>   |
| • 14.3 Transport hazard class(es)<br>• ADR, ADN, IMDG, IATA<br>• Class    | <i>Void</i>   |
| • 14.4 Packing group<br>• ADR, IMDG, IATA                                 | <i>Void</i>   |
| • 14.5 Environmental hazards:<br>• Marine pollutant:                      | <i>No</i>   |
| • 14.6 Special precautions for user                                       | <i>Not applicable.</i>  |
| • 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | <i>Not applicable.</i>  |
| • Transport/Additional information:                                       | <i>Not classified as dangerous in the meaning of transport regulations.</i> |
| • UN "Model Regulation":  | <i>Void</i>   |

**SECTION 15: Regulatory information**

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

**SECTION 16: Other information**

*This information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. It does not constitute a legal warranty regulations. The delivery specifications are contained in the corresponding product sheet.*

- Relevant phrases
  - H315 Causes skin irritation.*
  - H318 Causes serious eye damage.*
  - H319 Causes serious eye irritation.*
  - H335 May cause respiratory irritation.*
- Department issuing data specification sheet:
  - Health protection and safety*

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· **Abbreviations and acronyms:**

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*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 Harmonised System of Classification and Labelling of Chemicals*  
*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)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

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

· **Comment**

*The information is based on our knowledge we do have so far. However it is not a confirmation of product features and does not establish contractual legal relationship. Use, operation and processing are the responsibility of the customer.*