

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.11.2021

Version number 29 (replaces version 28)

Revision: 18.11.2021

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



GHS08 health hazard

Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.



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.

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· Hazard pictograms



GHS05 GHS08

· Signal word

Danger

· Hazard-determining components of labelling:

 Portland Cement
 titanium dioxide

· Hazard statements

 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H351 Suspected of causing cancer. Route of exposure:
 Inhalation.

· Precautionary statements

P102 Keep out of reach of children.
 P280 Wear protective gloves / face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

This mixture does not contain any substance considered to be persistent, bioaccumulative or toxic (PBT) will be. This mixture does not contain any substance that is considered very persistent or very bioaccumulative (vPvB) (if not listed in section 3).

· PBT:

Not applicable.

· vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Dangerous components:

 CAS: 14808-60-7 Quartz (SiO₂)

substance with a Community workplace exposure limit

25-<50%

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CAS: 65997-16-2	Calcium Aluminate Cement	10-<25%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 14808-60-7	Quartz (SiO ₂)	2.5-<10%
	☠ STOT RE 2, H373	
CAS: 65997-15-1	Portland Cement	≥3-<10%
	⚠ Eye Dam. 1, H318	
	⚠ Skin Irrit. 2, H315; STOT SE 3, H335	

· 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.

If you feel unwell, seek medical advice.

· After inhalation

In case of unconsciousness bring patient into stable side position for transport.

Seek medical treatment in case of complaints.

· After skin contact

Instantly wash with water and soap and rinse thoroughly.

· After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

· After swallowing

rinse out mouth

· 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

The product itself does not burn.

 CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.

Use fire fighting measures that suit the environment.

· For safety reasons unsuitable extinguishing agents

Water with a full water jet.

· 5.2 Special hazards arising from the substance or mixture

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

· 5.3 Advice for firefighters

· Protective equipment:

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

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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:** *Use neutralising agent.
Dispose of contaminated material as waste according to item 13.
Collect 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 information on disposal.*

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Thorough dedusting.
Do not leave the container standing open.
Avoid contact with skin and eyes.
Do not breathe dust.
Breathing apparatus only if aerosol or dust is formed.
protected above to humidity*
- **Information about protection against explosions and fires:** *No special measures required.*
- **7.2 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:** *Keep container tightly sealed.*
- **7.3 Specific end use(s)** *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

CAS: 14808-60-7 Quartz (SiO₂)

BOELV Long-term value: 0.1* mg/m³
*respirable fraction

CAS: 14808-60-7 Quartz (SiO₂)

BOELV Long-term value: 0.1* mg/m³
*respirable fraction

· DNELs

CAS: 13463-67-7 titanium dioxide

Inhalative Long-term value 10 mg/m³ (Worker)

· Additional information:

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

· 8.2 Exposure controls

· Appropriate engineering controls

No further data; see item 7.

· Individual protection measures, such as 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:

Breathing apparatus only if aerosol or dust is formed.

· Hand protection

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
Rubber gloves

· Material of gloves

· 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.

· Eye/face protection

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Physical state

Solid.

· Colour:

According to product specification

· Smell:

Light

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· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	not apply
· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Self-inflammability:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH at 20 °C	12 (5%)
· Viscosity:	
· Kinematic viscosity	Not applicable.
· dynamic:	Not applicable.
· Solubility	
· Water:	is setting hydraulically
· Partition coefficient n-octanol/water (log value)	Not determined.
· Steam pressure:	Not applicable.
· Density and/or relative density	
· Density at 20 °C	1.5 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Particle characteristics	See item 3.

· 9.2 Other information

· Appearance:	
· Form:	Powder
· Explosive properties:	Product is not explosive.
· Solvent content:	
· Solids content:	100.0 %
· Change in condition	
· Evaporation rate	Not applicable.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void

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- | | |
|---|------|
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- 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	>10,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (-)
Inhalative	LC50/4 h	>5 mg/l (-)

- 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.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Suspected of causing cancer. Route of exposure: Inhalation.
- 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.
- Long-Term effects 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 of 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

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(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.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

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.

· 12.5 Results of PBT and vPvB assessment

· PBT:

Not applicable.

· vPvB:

Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· 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.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Must be forwarded for special treatment in accordance with local authority regulations, e.g. suitable incineration plant.

· Recommendation

Disposal according to official regulations

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- 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.**
- Recommended cleaning agent: **Water, if necessary with cleaning agent.**

SECTION 14: Transport information

- | | |
|--|--|
| · 14.1 UN number or ID 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 |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · Transport/Additional information: | Not classified as dangerous in the meaning of transport regulations. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I **None of the ingredients are included
None of the ingredients is listed.**
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
- None of the ingredients is listed.**

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· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:**

Employment restrictions concerning young persons 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 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.

· **Date of previous version:** 18.11.2021

· **Version number of previous version:** 28

· **Abbreviations and acronyms:** ADR: Accord relatif au transport international 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)
 DNEL: Derived No-Effect Level (REACH)
 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
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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- * 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.

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