Safety Data Sheet  
acc. to OSHA HCS  

Printing date 03/26/2020  
Reviewed on 03/26/2020

* 1 Identification

- Product identifier
- Trade name: Servoperl Royal und Servoperl Royal schnell
- Application of the substance / the mixture: Sealing mortar
- Details of the supplier of the safety data sheet
  - Information department: Laboratory, departments of environmental protection and labor protection
  - Emergency telephone number: ChemTel Expert Assistance Hotline 800-255-2824

* 2 Hazard(s) Identification

- Classification of the substance or mixture
  - GHS08 Health hazard
    - Carc. 1A H350 May cause cancer.
  - GHS05 Corrosion
    - Eye Dam. 1 H318 Causes serious eye damage.
  - GHS07
    - Skin Irrit. 2 H315 Causes skin irritation.
    - Combustible Dust May form combustible dust concentrations in air.

- Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms GHS05 GHS08
- Signal word Danger
- Hazard-determining components of labeling: Portlandzement-Klinker (chromatarm TRGS 613)
  - Quarz
  - Titandioxid
- Hazard statements
  - Causes skin irritation.
  - Causes serious eye damage.
  - May cause cancer.
  - May form combustible dust concentrations in air.
- Precautionary statements
  - Do not handle until all safety precautions have been read and understood.
  - Wash thoroughly after handling.
  - Wear protective gloves/protective clothing/eye protection/face protection.

(Contd. on page 2)
If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. IF exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 0
    - Fire = 1
    - Reactivity = 0
  - HMIS-ratings (scale 0 - 4)
    - Health = 0
    - Fire = 1
    - Reactivity = 0

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

3 Composition/information on ingredients

- Composition/Information on ingredients
- Chemical characterization: Mixtures

- Dangerous components:
  - CAS: 14808-60-7 Quarzsand Carc. 1A, H350 25-<50%
  - CAS: 65997-16-2 Tonerdeschmelzzement Skin Irrit. 2, H315; Eye Irrit. 2A, H319 10-<25%
  - CAS: 14808-60-7 Quarz Carc. 1A, H350 2.5-<10%
  - CAS: 65997-15-1 Portlandzement-Klinker (chromatarm TRGS 613) Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335 2.5-<10%
  - CAS: 13463-67-7 Titandioxid Carc. 2, H351 2.5-<10%
  - CAS: 21645-51-2 Aluminiumhydroxid 0.5-<2.5%

- Additional information: For the wording of the listed hazard phrases refer to section 16.
**4 First-aid measures**

- **Description of first aid measures**
  - **General information:** Immediately remove any clothing soiled by the product.
  - **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
  - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
  - **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
  - **After swallowing:** If symptoms persist 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 Fire-fighting measures**

- **Extinguishing media**
  - The product itself does not burn. Use fire fighting measures that suit the environment.
- **Suitable extinguishing agents:**
  - Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
  - **Protective equipment:** Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.

**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:** Pick up mechanically. Use neutralizing agent. Dispose contaminated material as waste according to item 13.
- **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.
### Protective Action Criteria for Chemicals

**PAC-1:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical</th>
<th>PAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quarz</td>
<td>0.075 mg/m³</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titandioxid</td>
<td>30 mg/m³</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>Aluminiumhydroxid</td>
<td>8.7 mg/m³</td>
</tr>
<tr>
<td>69012-64-2</td>
<td>Microsilica Pulver</td>
<td>45 mg/m³</td>
</tr>
<tr>
<td>1317-61-9</td>
<td>Eisenoxidschwarz 318</td>
<td>21 mg/m³</td>
</tr>
<tr>
<td>497-19-8</td>
<td>Soda leicht, Natriumcarbonat</td>
<td>7.6 mg/m³</td>
</tr>
<tr>
<td>554-13-2</td>
<td>Lithiumcarbonat</td>
<td>3.1 mg/m³</td>
</tr>
<tr>
<td>557-05-1</td>
<td>Zinkstearat</td>
<td>30 mg/m³</td>
</tr>
<tr>
<td>6381-59-5</td>
<td>Kalium-Natrium-Tartrat</td>
<td>9 mg/m³</td>
</tr>
<tr>
<td>7320-34-5</td>
<td>Tetrakaliumdiphosphat</td>
<td>61 mg/m³</td>
</tr>
</tbody>
</table>

**PAC-2:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical</th>
<th>PAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quarz</td>
<td>33 mg/m³</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titandioxid</td>
<td>330 mg/m³</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>Aluminiumhydroxid</td>
<td>73 mg/m³</td>
</tr>
<tr>
<td>69012-64-2</td>
<td>Microsilica Pulver</td>
<td>500 mg/m³</td>
</tr>
<tr>
<td>1317-61-9</td>
<td>Eisenoxidschwarz 318</td>
<td>230 mg/m³</td>
</tr>
<tr>
<td>497-19-8</td>
<td>Soda leicht, Natriumcarbonat</td>
<td>83 mg/m³</td>
</tr>
<tr>
<td>554-13-2</td>
<td>Lithiumcarbonat</td>
<td>34 mg/m³</td>
</tr>
<tr>
<td>557-05-1</td>
<td>Zinkstearat</td>
<td>330 mg/m³</td>
</tr>
<tr>
<td>6381-59-5</td>
<td>Kalium-Natrium-Tartrat</td>
<td>99 mg/m³</td>
</tr>
<tr>
<td>7320-34-5</td>
<td>Tetrakaliumdiphosphat</td>
<td>680 mg/m³</td>
</tr>
</tbody>
</table>

**PAC-3:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical</th>
<th>PAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quarz</td>
<td>200 mg/m³</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titandioxid</td>
<td>2,000 mg/m³</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>Aluminiumhydroxid</td>
<td>440 mg/m³</td>
</tr>
<tr>
<td>69012-64-2</td>
<td>Microsilica Pulver</td>
<td>3,000 mg/m³</td>
</tr>
<tr>
<td>1317-61-9</td>
<td>Eisenoxidschwarz 318</td>
<td>1,400 mg/m³</td>
</tr>
<tr>
<td>497-19-8</td>
<td>Soda leicht, Natriumcarbonat</td>
<td>500 mg/m³</td>
</tr>
<tr>
<td>554-13-2</td>
<td>Lithiumcarbonat</td>
<td>210 mg/m³</td>
</tr>
<tr>
<td>557-05-1</td>
<td>Zinkstearat</td>
<td>2,000 mg/m³</td>
</tr>
<tr>
<td>6381-59-5</td>
<td>Kalium-Natrium-Tartrat</td>
<td>590 mg/m³</td>
</tr>
<tr>
<td>7320-34-5</td>
<td>Tetrakaliumdiphosphat</td>
<td>1,200 mg/m³</td>
</tr>
</tbody>
</table>

### 7 Handling and storage

**Handling:** Thorough dedusting.

**Precautions for safe handling:**
- Keep receptacles tightly sealed.
- Ensure good ventilation/exhaustion at the workplace.
- Avoid contact with skin and eyes.
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Trade name: Servoperl Royal und Servoperl Royal schnell

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.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storeroms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- 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.
- Control parameters
- Components with limit values that require monitoring at the workplace:
  The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

**CAS: 14808-60-7 Quarzsand**

<table>
<thead>
<tr>
<th>PEL</th>
<th>Long-term value: 0.05* mg/m³*resp. dust; 30mg/m3/%SiO2+2</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL</td>
<td>Long-term value: 0.05* mg/m³*respirable dust; See Pocket Guide App. A</td>
</tr>
<tr>
<td>TLV</td>
<td>Long-term value: 0.025* mg/m³*as respirable fraction</td>
</tr>
</tbody>
</table>

**CAS: 14808-60-7 Quarz**

<table>
<thead>
<tr>
<th>PEL</th>
<th>Long-term value: 0.05* mg/m³*resp. dust; 30mg/m3/%SiO2+2</th>
</tr>
</thead>
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<tr>
<td>REL</td>
<td>Long-term value: 0.05* mg/m³*respirable dust; See Pocket Guide App. A</td>
</tr>
<tr>
<td>TLV</td>
<td>Long-term value: 0.025* mg/m³*as respirable fraction</td>
</tr>
</tbody>
</table>

**CAS: 65997-15-1 Portlandzement-Klinker (chromatarm TRGS 613)**

| PEL       | Long-term value: 50 mppcf or 15* 5** mg/m³*total dust **respirable fraction |

(Contd. on page 6)
**Trade name:** Servoperl Royal und Servoperl Royal schnell

| REL | Long-term value: 10* 5** mg/m³
|     | *total dust **respirable fraction
| TLV | Long-term value: 1* mg/m³
|     | E; *as respirable fraction
| CAS: | 13463-67-7 Titandioxid
| PEL | Long-term value: 15* mg/m³
|     | *total dust
| REL | See Pocket Guide App. A
| TLV | Long-term value: 10 mg/m³
| CAS: | 21645-51-2 Aluminiumhydroxid
| REL | Long-term value: 2 mg/m³
|     | as Al
| TLV | Long-term value: 1* mg/m³
|     | as Al; *as respirable fraction

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

- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      - Keep away from foodstuffs, beverages and feed.
      - Immediately remove all soiled and contaminated clothing.
      - Wash hands before breaks and at the end of work.
      - Store protective clothing separately.
      - Avoid contact with the skin.
      - Avoid contact with the eyes and skin.
    - Breathing equipment:
      - Not necessary if room is well-ventilated.
      - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
      - Breathing apparatus only if aerosol or dust is formed.
      - Suitable respiratory protection at low concentrations or short-term exposure: Particle filter EN 143 type P2 (medium retention capacity (solid and liquid particles of harmful substances))
    - Protection of hands:
      - 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
      - Rubber gloves
    - 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:
    - Tightly sealed goggles.

  (Contd. on page 7)
### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **Appearance:**
    - Form: Powder
    - Color: According to product specification
    - Odor: Light
    - Odor threshold: Not determined.
  - pH-value at 20 °C (68 °F): 11
  - Change in condition
    - Melting point/Melting range: undetermined
    - Boiling point/Boiling range: 2,230 °C (3630 °F)
    - Flash point: Not applicable.
  - Flammability (solid, gaseous): Not determined.
  - Decomposition temperature: Not determined.
  - AUTO IGNITION: Not self igniting
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
  - Vapor pressure: Not applicable.
  - Density at 20 °C (68 °F): 1.5 g/cm³ (12.5175 lbs/gal)
  - Relative density: Not determined.
  - Vapor density: Not applicable.
  - Evaporation rate: Not applicable.
  - Solubility in / Miscibility with Water: bindet hydraulisch ab
  - Partition coefficient (n-octanol/water): Not determined.
  - Viscosity:
    - Dynamic: Not applicable.
    - Kinematic: Not applicable.
  - Solvent content: VOC-Content 0.00 %
  - Solids content: 100.0 %
  - Other information: No further relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No further relevant information available.
50.1.5 Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used 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: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects

  * Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      - CAS: 13463-67-7 Titandioxid
        - Oral LD50 >10,000 mg/kg (rat)
      - Primary irritant effect:
        - on the skin: Irritant to skin and mucous membranes.
        - on the eye: Strong irritant with the danger of severe eye injury.
        - Sensitization: No sensitizing effects known.
        - Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

  * Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      - CAS: 14808-60-7 Quarz 1
      - CAS: 13463-67-7 Titandioxid 2B
      - CAS: 69012-64-2 Microsilica Pulver 3
      - CAS: 14807-96-6 Talkum 3
    - NTP (National Toxicology Program)
      - CAS: 14808-60-7 Quarz K
    - OSHA-Ca (Occupational Safety & Health Administration)
      - None of the ingredients is listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behavior in environmental systems:
    - Bioaccumulative potential: No further relevant information available.
    - Mobility in soil: No further relevant information available.
Trade name: Servoperl Royal und Servoperl Royal schnell

- 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 course or sewage system.
    Must not reach bodies of water or drainage ditch undiluted or unneutralized.
  - 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 Must be forwarded for special treatment in accordance with local authority regulations, e.g. suitable incineration plant.
- Recommendation: Disposal in accordance with official regulations
- Uncleaned packagings: Disposal must be made according to official regulations.

14 Transport information
- UN-Number Void
- DOT, ADR, ADN, IMDG, IATA Void
- UN proper shipping name Void
- DOT, ADR, ADN, IMDG, IATA Void
- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA Void
  - Class Void
- Packing group
  - DOT, ADR, IMDG, IATA Void
- Environmental hazards:
  - Marine pollutant: No
- Special precautions for user Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- Transport/Additional information: Not dangerous according to the above specifications.
- UN "Model Regulation": Void
### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**

  - **Section 355 (extremely hazardous substances):**
    None of the ingredient is listed.

  - **Section 313 (Specific toxic chemical listings):**
    - CAS: 554-13-2 Lithiumcarbonat
    - CAS: 557-05-1 Zinkstearat

  - **TSCA (Toxic Substances Control Act):**
    - CAS: 65997-16-2 Tonerdeschmelzzement
    - CAS: 14808-60-7 Quarz
    - CAS: 65997-15-1 Portlandzement-Klinker (chromatarm TRGS 613)
    - CAS: 13463-67-7 Titandioxid
    - CAS: 21645-51-2 Aluminiumhydroxid
    - CAS: 69012-64-2 Microsilica Pulver
    - CAS: 14807-96-6 Talkum
    - CAS: 1317-61-9 Eisenoxidschwarz 318
    - CAS: 497-19-8 Soda leicht, Natriumcarbonat
    - CAS: 554-13-2 Lithiumcarbonat
    - CAS: 69012-64-2 Microsilica Pulver
    - CAS: 14807-96-6 Talkum
    - CAS: 1317-61-9 Eisenoxidschwarz 318
    - CAS: 13463-67-7 Titandioxid
    - CAS: 69012-64-2 Microsilica Pulver
    - CAS: 14807-96-6 Talkum
    - CAS: 1317-61-9 Eisenoxidschwarz 318
    - CAS: 13463-67-7 Titandioxid
    - CAS: 69012-64-2 Microsilica Pulver
    - CAS: 14807-96-6 Talkum

  - **Hazardous Air Pollutants**
    None of the ingredients is listed.

  - **Proposition 65**
    None of the ingredients is listed.

- **Chemicals known to cause cancer:**
  - CAS: 14808-60-7 Quarz
  - CAS: 13463-67-7 Titandioxid

- **Chemicals known to cause reproductive toxicity for females:**
  None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**
  None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**
  - CAS: 554-13-2 Lithiumcarbonat

- **New Jersey Right-to-Know List:**
  - CAS: 14808-60-7 Quarz
  - CAS: 65997-15-1 Portlandzement-Klinker (chromatarm TRGS 613)
  - CAS: 13463-67-7 Titandioxid
  - CAS: 69012-64-2 Microsilica Pulver
  - CAS: 14807-96-6 Talkum
  - CAS: 554-13-2 Lithiumcarbonat
### Trade name: Servoperl Royal und Servoperl Royal schnell

<table>
<thead>
<tr>
<th>CAS</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>557-05-1</td>
<td>Zinkstearat</td>
</tr>
</tbody>
</table>

#### New Jersey Special Hazardous Substance List:
- CAS: 14808-60-7 Quarz CA
- CAS: 14807-96-6 Talkum CA
- CAS: 554-13-2 Lithiumcarbonat TE

#### Pennsylvania Right-to-Know List:
- CAS: 14808-60-7 Quarz
- CAS: 65997-15-1 Portlandzement-Klinker (chromatarm TRGS 613)
- CAS: 13463-67-7 Titandioxid
- CAS: 14807-96-6 Talkum
- CAS: 557-05-1 Zinkstearat

#### Pennsylvania Special Hazardous Substance List:
- CAS: 557-05-1 Zinkstearat E

#### Cancerogenity categories
- EPA (Environmental Protection Agency)
  - CAS: 557-05-1 Zinkstearat D, I, II
- TLV (Threshold Limit Value established by ACGIH)
  - CAS: 14808-60-7 Quarz A2
  - CAS: 13463-67-7 Titandioxid A4
  - CAS: 14807-96-6 Talkum A4
- MAK (German Maximum Workplace Concentration)
  - CAS: 14808-60-7 Quarz 1
  - CAS: 13463-67-7 Titandioxid 3A
  - CAS: 14807-96-6 Talkum 3B
- NIOSH-Ca (National Institute for Occupational Safety and Health)
  - CAS: 14808-60-7 Quarz
  - CAS: 13463-67-7 Titandioxid

#### GHS label elements
- The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms
    - GHS05
    - GHS08
- Signal word
  - Danger

#### Hazard-determining components of labeling:
- Portlandzement-Klinker (chromatarm TRGS 613)
- Quarz
- Titandioxid

#### Hazard statements
- Causes skin irritation.
- Causes serious eye damage.
- May cause cancer.
- May form combustible dust concentrations in air.
Precautionary statements
Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:
Information about limitation of use:
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
Exceptions can be made by the authorities in certain cases.

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

16 Other information

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this SDS relate only to the specific material designated herein. We do not assume any liability for the use, or reliance in this information, nor do we guarantee its accuracy or completeness.

Department issuing SDS: Health protection and safety
Date of preparation / last revision: 03/26/2020 / 19

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
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
Trade name: Servoperl Royal und Servoperl Royal schnell

REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Carc. 1A: Carcinogenicity – Category 1A
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* Data compared to the previous version altered.