



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.12.2021

Version number 3 (replaces version 2)

Revision: 27.12.2021

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

· 1.1 Product identifier

· Trade name

Servoflex 5 Royal supertec

· UFI:

Q0M0-109T-U00C-1UVJ

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

· Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU21 Consumer uses: Private households / general public / consumers

· Product category

PC9b Fillers, putties, plasters, modelling clay

· Application of the substance / the mixture

Tile adhesive

· 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

(Contd. on page 2)



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Version number 3 (replaces version 2)

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Trade name Servoflex 5 Royal supertec

(Contd. of page 1)

- **Signal word** **Danger**
- **Hazard-determining components of labelling:** **Portland Cement**
- **Hazard statements** **H315 Causes skin irritation.**
H318 Causes serious eye damage.
- **Precautionary statements** **P102** **Keep out of reach of children.**
P280 **Wear protective gloves / eye protection / 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.**
P332+P313 **If skin irritation occurs: Get medical advice/attention.**
P362+P364 **Take off contaminated clothing and wash it before reuse.**
- **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**
- **Description:** **Mixtur of special cements and loading materials**

· **Dangerous components:**

CAS: 14808-60-7	Quartz (SiO ₂) substance with a Community workplace exposure limit	25-<50%
CAS: 65997-16-2	Calcium Aluminate Cement ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-<25%
CAS: 65997-15-1	Portland Cement ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	≥3-<10%

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

EU

(Contd. on page 3)



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according to 1907/2006/EC, Article 31

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Version number 3 (replaces version 2)

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Trade name Servoflex 5 Royal supertec

(Contd. of page 2)

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. Do not induce vomiting; instantly call for medical help.**

· 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** **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.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

· 6.2 Environmental precautions:

No special measures required.

(Contd. on page 4)



Safety data sheet

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Revision: 27.12.2021

Trade name Servoflex 5 Royal supertec

(Contd. of page 3)

- **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.

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

- **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.

(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 3 (replaces version 2)

Revision: 27.12.2021

Trade name Servoflex 5 Royal supertec

(Contd. of page 4)

- **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:**
 - Grey
- **Smell:**
 - schwach
- **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**
 - 1,135 g/cm³

(Contd. on page 6)



Safety data sheet

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Version number 3 (replaces version 2)

Revision: 27.12.2021

Trade name Servoflex 5 Royal supertec

(Contd. of page 5)

· Relative density	Not determined.
· Settled apparent density	800 kg/m³
· 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
	Void
· Flammable gases	Void
	Void
· Aerosols	Void
	Void
· Oxidising gases	Void
	Void
· Gases under pressure	Void
	Void
· Flammable liquids	Void
	Void
· Flammable solids	Void
	Void
· Self-reactive substances and mixtures	Void
	Void
· Pyrophoric liquids	Void
	Void
· Pyrophoric solids	Void
	Void
· Self-heating substances and mixtures	Void
	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
	Void
· Oxidising liquids	Void
	Void
· Oxidising solids	Void
	Void
· Organic peroxides	Void
	Void

(Contd. on page 7)



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

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Version number 3 (replaces version 2)

Revision: 27.12.2021

Trade name Servoflex 5 Royal supertec

(Contd. of page 6)

· Corrosive to metals	Void
· Desensitised explosives	Void
	Void
	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.
· 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	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.
· 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.

(Contd. on page 8)



Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name Servoflex 5 Royal supertec

(Contd. of page 7)

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

SECTION 14: Transport information

- | | |
|---|------------------------|
| · 14.1 UN number or ID number
· ADR, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, 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: | Not applicable. |

(Contd. on page 9)



Safety data sheet

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(Contd. of page 8)

· 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

· 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.

· 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.

(Contd. on page 10)



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(Contd. of page 9)

· **Version number of previous version:**

2

· **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)
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

· **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.