



Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 07.10.2025

Version number 42 (replaces version 41)

Revision: 25.08.2025

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

· 1.1 Product identifier

· Trade name **Servoflex K plus SuperTec**

· UFI: **5KA0-E0NW-T00V-6DS7**

· 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

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.

STOT SE 3 H335 May cause respiratory 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 GHS07

· Signal word

Danger

· Hazard-determining components of labelling:
· Hazard statements

Portland Cement

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· Precautionary statements

P102

Keep out of reach of children.

P260

Do not breathe dust.

P280

Wear protective gloves / eye protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314

Get medical advice/attention if you feel unwell.

P405

Store locked up.

P501

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

· 2.3 Other hazards

The preparation is low in chromate, therefore there is no risk of sensitisation by chromate. In the ready-to-use form after addition of water, the content of soluble chromium(VI) is at most 0.0002% of the dry mass of the cement contained. A prerequisite for the effectiveness of the chromate reduction is proper dry storage and observance of the expiry date.

· Results of PBT and vPvB assessment

· PBT:

Not applicable.

· vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description:

Mixtur of special cements and loading materials

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· Dangerous components:

CAS: 14808-60-7	Quarz (SiO ₂) substance with a Community workplace exposure limit	25-<50%
CAS: 65997-15-1	Portland Cement ☠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	25-<50%
CAS: 14808-60-7	Quartz (SiO ₂) Consisting of: 14808-60-7 Quarz (>98%); 14808-60-7 Quartz (fine fraction) (1-10%) ☠ STOT RE 2, H373	2.5-<10%

· SVHC

This product does not contain SVHC substances > 0.1%

· Additional information

*See also information on "8 Exposure controls and personal protective equipment".
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

*Do not breathe dust.
Inhalation of dusts causes irritation and swelling of the respiratory organs.
In case of unconsciousness bring patient into stable side position for transport.*

· After skin contact

Seek medical treatment in case of complaints.

· After eye contact

*Instantly wash with water and soap and rinse thoroughly.
Rinse opened eye for several minutes under running water.
Then consult doctor.*

· After swallowing

*Make patient vomit by him/herself.
The decision whether to provoke vomiting or not is to be taken by a physician.
Rinse out mouth, do not induce vomiting, seek medical help immediately.
Do not administer home remedies (milk, alcohol, oil, etc.).
Show the package or label to the doctor in charge.*

· 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.

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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.*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Ensure adequate ventilation
Avoid causing dust.
Respirator must be worn if exposed to dust.
Wear protective clothing.
Put on breathing apparatus.*
- **6.2 Environmental precautions:** *No special measures required.*
- **6.3 Methods and material for containment and cleaning up:** *Where possible recycling is preferred to disposal or incineration.
Use neutralising agent.
Dispose of contaminated material as waste according to item 13.
Collect mechanically.*
- **6.4 Reference to other sections** *hardened after contact with water
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.*

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Keep the product out of the reach of children.
 - Thorough dedusting.
 - Do not leave the container standing open.
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of dust.
 - 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:** Keep breathing equipment ready.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** protected above to humidity in closing rooms
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 - Keep away from food and drink.
 - Keep container tightly sealed.
- **Storage class** 13
- **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 Quarz (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: 544-17-2 calcium diformate

Oral Long-term value 23.9 mg/kg/d (Consumer)

Dermal Short-term value 16.7 mg/cm² (Worker)

8.3 mg/cm² (Consumer)

- **Additional information:**
 - *) G = total dust
 - ** = respirable dust

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· Decomposition temperature:	Not determined.
· pH at 20 °C	12 (5%)
· Viscosity:	
· Kinematic viscosity at 20 °C	0 s (DIN 53211/4)
· 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	1.3 g/cm³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Particle characteristics	See section 3.

· 9.2 Other information	The physical data are average values.
· Appearance:	
· Form:	Powder
· Self-inflammability:	Product is not selfigniting.
· 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
· 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

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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 decomposition if stored and applied as directed.**
- 10.6 Hazardous decomposition products: **none under normal use**

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: 544-17-2 calcium diformate

Oral	LD50	3,050 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>0.67 mg/l (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.**
- 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 **May cause respiratory irritation.**
- 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.**
- Experience with humans: **If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known. The product contains cement. In combination with humidity the product provokes an alkaline reaction.**
- Additional toxicological information: **According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes.**
- 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 544-17-2 calcium diformate

EC50 (48h) >1,000 mg/l (Dap)

· 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

· Ecotoxicological effects:

only by unintentional binding with much material and water is a highly pH-value possible

· Additional ecological information:

· General notes:

Ecological injuries are not known or expected under normal use.

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.

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- **Uncleaned packagings:**
- **Recommendation:**

Disposal must be made according to official regulations.

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**
- **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.

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· **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

Chapters which have been revised from the previous issue are marked "***".

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

(n.a. - not applicable, n.d. - not determined)

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.

This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Date of previous version:** 02.11.2021

· **Version number of previous version:**

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· **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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

- * 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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