

Safety Data Sheet

according to WHS Regulations

Printing date 25.05.2023

Version number 43

Revision: 24.05.2023

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- **Product identifier**
- **Trade name** Servoplan Ki 1
- **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)
- **Product category** PC9b Fillers, putties, plasters, modelling clay
- **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
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Polyflor Australia
101 Prosperity Way,
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- **Informing department:** Laboratory, departments of environmental protection and labor protection
- **Emergency telephone number:** Poison Information Center Freiburg Tel.: +49(0)761/ 19240
(24h German and English)

2 Hazard(s) Identification

- **Classification of the substance or mixture**



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Irrit. 2 H315 Causes skin irritation.

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- Label elements
- GHS label elements
- Hazard pictograms

The product is classified and labelled according to the Globally Harmonised System (GHS).



GHS05

- Signal word
- Hazard-determining components of labelling:
- Hazard statements
- Precautionary statements

Danger

Portland Cement
 Causes skin irritation.
 Causes serious eye damage.
 Keep out of reach of children.
 Wash thoroughly after handling.
 Wear 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.
 Specific treatment (see on this label).
 Take off contaminated clothing and wash it before reuse.
 If skin irritation occurs: Get medical advice/attention.

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

3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures

- Dangerous components:

CAS: 471-34-1	calcium carbonate	25-<50%
CAS: 14808-60-7	Quarz (SiO ₂)	25-<50%
CAS: 65997-16-2	Calcium Aluminate Cement	2.5-<10%
	Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319	
CAS: 65997-15-1	Portland Cement	2.5-<10%
	Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	

- Additional information
- See also information on "8 Exposure controls and personal protective equipment".
 CAS: 14808-60-7 Quarz (SiO₂) : The proportion of respirable silica is < 2% in the raw material (respirable silica has a grain size of 0-18 µm).

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For the wording of the listed hazard phrases refer to section 16.

4 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.
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
The decision whether to provoke vomiting or not is to be taken by a physician.*
- **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

- **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.*
- **Special hazards arising from the substance or mixture** *Formation of toxic gases is possible during heating or in case of fire.*
- **Protective equipment:** *Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.*

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6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation
 - Avoid causing dust.
 - Respirator must be worn if exposed to dust.
- **Environmental precautions:**
 - No special measures required.
- **Methods and material for containment and cleaning up:**
 - Use neutralising agent.
 - Dispose of contaminated material as waste according to item 13.
 - Collect mechanically.
- **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.

7 Handling and Storage

- **Handling**
- **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.
- **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.
- **Specific end use(s)**
 - No further relevant information available.

8 Exposure controls and personal protection

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

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

CAS: 471-34-1 calcium carbonate

 WES Long-term value: 10 mg/m³
 inhalable dust

 CAS: 14808-60-7 Quarz (SiO₂)

 WES Long-term value: 0.05 mg/m³
 respirable dust

CAS: 65997-15-1 Portland Cement

 WES Long-term value: 10 mg/m³
 inhalable dust

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

· **Personal protective equipment**

· **General protective and hygienic measures**

Do not eat or drink while working.

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:** Suitable respiratory protection for low concentrations or short-term exposure: Particle filter EN 143 type P2 (medium retention capacity (solid and liquid pollutant particles)).
 Breathing apparatus only if aerosol or dust is formed.

· **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
 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.
 Tightly sealed safety glasses.

· **Eye protection:**

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **Appearance:**

· **Form:** Powder

· **Colour:** Dark grey

· **Smell:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 12 (5%)

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· Change in condition	
· Melting point/freezing point:	Not determined
· Initial boiling point and boiling range:	not apply
· Flash point:	Not applicable
· Inflammability (solid, gaseous)	Not determined.
· Auto-ignition temperature:	n. a. °C
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
· Lower:	n. a. Vol %
· Upper:	Not determined.
· Steam pressure:	Not applicable.
· Density at 20 °C	1.35 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
· Water:	is setting hydraulically
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· dynamic:	Not applicable.
· kinematic:	Not applicable.
· Solvent content:	
· Solids content:	100.0 %
· Other information	The physical data are average values.

10 Stability and Reactivity

· Reactivity	No further relevant information available.
· Possibility of hazardous reactions	No dangerous reactions known
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	No decomposition if stored and applied as directed.
· Hazardous decomposition products:	none under normal use

11 Toxicological Information

· Information on toxicological effects	
· 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.

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- **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.
- **Experience with humans:** The product contains cement. In combination with humidity the product provokes an alkaline reaction.
May cause eye/skin irritation.
- **Additional toxicological information:** According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **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.
- **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**
- **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.

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14 Transport information

· UN-Number

· ADG, ADN, IMDG, IATA

Void

· UN proper shipping name

· ADG, ADN, IMDG, IATA

Void

· Transport hazard class(es)

· ADG, ADN, IMDG, IATA

· Class

Void

· Packing group

· ADG, IMDG, IATA

Void

· Environmental hazards:

· Marine pollutant:

No

· Special precautions for user

Not applicable.

· Transport in bulk according to Annex II of
Marpol and the IBC Code

Not applicable.

· Transport/Additional information:

Not classified as dangerous in the meaning of
transport regulations.

· UN "Model Regulation":

Void

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Australian Inventory of Industrial Chemicals

CAS: 471-34-1

calcium carbonate

CAS: 10034-76-1

Calcium sulfate hemihydrate

CAS: 65997-16-2

Calcium Aluminate Cement

CAS: 65997-15-1

Portland Cement

CAS: 497-19-8

sodium carbonate

CAS: 144-55-8

sodium hydrogencarbonate

CAS: 6381-59-5

Potassium sodium tartrate

CAS: 10377-48-7

lithium sulfate

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	Hydroxyethylcellulose
	Calciumhydroxid
· Standard for the Uniform Scheduling of Medicines and Poisons <i>None of the ingredients is listed.</i>	
· Australia: Priority Existing Chemicals <i>None of the ingredients is listed.</i>	
· GHS label elements	The product is classified and labelled according to the Globally Harmonised System (GHS).
· Hazard pictograms	 GHS05
· Signal word	Danger
· Hazard-determining components of labelling:	Portland Cement
· Hazard statements	Causes skin irritation. Causes serious eye damage.
· Precautionary statements	Keep out of reach of children. Wash thoroughly after handling. Wear 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. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
· Directive 2012/18/EU	
· Named dangerous substances - ANNEX I	None of the ingredients are included
· 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.
· Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

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.

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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:**
- **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
ELINECS: 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
Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
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.