

Safety data sheet

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

Printing date 12.09.2025

Version number 24 (replaces version 23)

Revision: 12.09.2025

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

1.1 Product identifier

Trade name

Servoplan D 800

UFI:

TKT0-00FD-E00G-Y4RH

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

Knife filler/ Surfacer

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.

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· Hazard pictograms



GHS05

· Signal word

Danger

· Hazard-determining components of labelling:

Portland Cement

H315 Causes skin irritation.

H318 Causes serious eye damage.

· Hazard statements

· Precautionary statements

P102

Keep out of reach of children.

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

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

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

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.

· Determination of endocrine-disrupting properties

CAS: 554-13-2 lithium carbonate

List III

EU

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

 Description: **Portlandcement and additives**

Dangerous components:

CAS: 14808-60-7	Quarz (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	10-<25%
CAS: 554-13-2	lithium carbonate ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	≥ 0.1%

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.

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

Inform doctor. Do not give milk or fatty oils.

 The decision whether to provoke vomiting or not is to be taken by a physician.
rinse out mouth

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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- **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.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Put on breathing apparatus.
- **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** 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Thorough dedusting.
Do not leave the container standing open.

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Ensure good ventilation/exhaustion at the workplace.
 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: Store away from foodstuffs.
- Further information about storage conditions: Protect from humidity and keep away from water. Keep container tightly sealed.
- Storage class 11
- 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

· PNECs

CAS: 554-13-2 lithium carbonate

PNEC 1.76 mg/kg

- 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 section 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: Suitable respiratory protection for low concentrations or short-term exposure: Particle filter EN 143 type P2 (medium retention capacity (solid and liquid pollutant particles)).

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· Hand protection

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Breathing apparatus only if aerosol or dust is formed.
Protective gloves.

· Material of gloves

· Penetration time of glove material

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

· Eye/face protection

· Body protection:

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.
Long-sleeved work clothes.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Physical state

Solid.

· Colour:

Grey

· Smell:

Characteristic

· 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

· 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.

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· 9.2 Other information

· Appearance:

· Form:

Powder

· Self-inflammability:

Product is not selfigniting.

· Explosive properties:

Product is not explosive.

· Solvent content:

· Solids content:

≥99.9 %

· 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

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.

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· LD/LC50 values that are relevant for classification:

CAS: 554-13-2 lithium carbonate

Oral	LD50	753 mg/kg (mouse) 525 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat) >3,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5 mg/l (Rat) (OECD-Richtlinie 403) Testatmosphäre: Staub/Nebel

· 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

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.

· 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

CAS: 554-13-2 lithium carbonate

List III

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 554-13-2 lithium carbonate

NOEC 50 mg/l (algae)

· 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

For information on endocrine disrupting properties see section 11.

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· 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:

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, 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

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· 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.

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

• **Date of previous version:** 07.08.2025

• **Version number of previous**

version: 23

• **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)
 PNEC: Predicted No-Effect Concentration (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
 Acute Tox. 4: Acute toxicity – Category 4
 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

• *** 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.