

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.07.2018

Version number 26

Revision: 06.07.2018

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

- **1.1 Product identifier**
- **Trade name** Servoflex F
- **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)
None
- **Application of the substance / the mixture** Sealing mortar
- **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.
- **Hazard pictograms**




GHS05 GHS07

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· Signal word	Danger
· Hazard-determining components of labelling:	Portland Cement
· Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
· Precautionary statements	P102 Keep out of reach of children. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. 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. P332+P313 If skin irritation occurs: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· 2.3 Other hazards	This mixture does not contain a substance considered to be persistent, bioaccumulative or toxic (PBT) becomes. This mixture does not contain a substance which is considered to be very persistent or very bioaccumulative (vPvB) (If not mentioned in section 3).
· Results of PBT and vPvB assessment	
· PBT:	Not applicable.
· vPvB:	Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** **Mixtur of special cements and loading materials**

· **Dangerous components:**

CAS: 65997-15-1	Portland Cement	25-<50%
	 Eye Dam. 1, H318  Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 65997-16-2	Calcium Aluminate Cement	2.5-<10%
	 Skin Irrit. 2, H315; Eye Irrit. 2, H319	

- **Additional information** **Have also a look to point 8 "Exposure controls and personalprotection"**
For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information** *If you feel unwell, seek medical advice.
Immediately remove contaminated clothing.*
- **After inhalation** *Do not breathe dust.
Inhalation of dusts causes irritation and swelling of
respiratory ducts.
In case of unconsciousness bring patient into stable side
position for transport.*
- **After skin contact** *Instantly wash with water and soap and rinse thoroughly.
Instantly rinse with water.*
- **After eye contact** *Rinse opened eye for several minutes under running water.
Then consult doctor.*
- **After swallowing** *Rinse out mouth and then drink plenty of water.
Make patient vomit by him/herself.
The decision whether to provoke vomiting or not is to be
taken by a physician.*

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** *The product itself does not burn.
Use fire fighting measures that suit the environment.*

5.2 Special hazards arising from the substance or mixture

*Formation of poisonous gases during heating or in fires.
Formation of toxic gases is possible during heating or in case
of fire.*

5.3 Advice for firefighters

- **Protective equipment:** *Wear breathing 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.*

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- **6.2 Environmental precautions:** Put on breathing apparatus.
- **6.3 Methods and material for containment and cleaning up:** No special measures required.
- **6.4 Reference to other sections:** Use neutralising agent.
Dispose of contaminated material as waste according to item 13.
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:** Keep 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:** No incompatible products to be specially mentioned
- **Further information about storage conditions:** Keep away from food and drink.
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
- **Additional information:** * = total dust
The lists that were valid during the compilation were used as basis.

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- 8.2 Exposure controls
- 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.
 Store protective clothing separately.
 Avoid contact with the skin.

- Breathing equipment:

Avoid contact with the eyes and skin.
 No personal respiratory protective equipment normally required.
 Breathing apparatus only if aerosol or dust is formed.
 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.

- 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Safety glasses
 Tightly sealed safety glasses.

- Body protection:

long sleeved clothing

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- Appearance:

Form:	Powder
Colour:	According to product specification
Smell:	Characteristic
Odour threshold:	Not determined.

- pH-value at 20 °C: 12

- Change in condition

Melting point/freezing point:	n. b. °C
Initial boiling point and boiling range:	not apply

- Flash point: Not applicable

- Inflammability (solid, gaseous) Not determined.

- Ignition temperature: 420 °C

- Decomposition temperature: Not determined.

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· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Steam pressure:	Not applicable.
· Density	1,135 g/cm³
· 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:	0 %
· 9.2 Other information	The physical data are average values.

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 toxicological effects	
· Acute toxicity	Based on available data, the classification criteria are not met.
· 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.
· 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. May cause eye/skin irritation.

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- **Additional toxicological information:** *According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.*

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.*
- **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.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

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

- | | |
|---|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | Not classified as dangerous in the meaning of transport regulations. |
| <ul style="list-style-type: none"> · 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 is listed.**
- **National regulations**
- **Additional classification according to Decree on Hazardous Materials, Annex II:** **Carcinogenic hazardous material group III (dangerous)**
- **Information about limitation of use:** **Workers should not be exposed to the hazardous materials contained in this preparation. Exceptions can be made by the authorities in certain exceptional cases.**
- **Other regulations, limitations and prohibitive regulations** **-**

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· 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.

- **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
 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.

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