

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.12.2016

Version number 22

Revision: 28.12.2016

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

- 1.1 Product identifier
- Trade name *Servofine F 333*
- 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/ Surfacers*
- 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



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



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
- Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS05 GHS07 GHS08

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· Signal word	Danger
· Hazard-determining components of labelling:	Portland Cement Quartz (SiO₂)
· Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure.
· Precautionary statements	P102 Keep out of reach of children. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves / eye protection / face protection. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P332+P313 If skin irritation occurs: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P362+P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· Information pertaining to particular dangers for man and environment	long-standing and / or repeated inhalation of respirable dust with quartz concentrations may result in silicosis.
· 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**

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• Dangerous components:

	Portland Cement	10-<25%
	⚠ Eye Dam. 1, H318	
	⚠ Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂)	10-<25%
	⚠ STOT RE 2, H373	
	Calcium Aluminate Cement	10-<25%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
	Rohcellulose	0.1-<0.5%
	⚠ Carc. 2, H351	

• Additional information

Have also a look to point 8 "Exposure controls and personal protection"
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

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.

• After eye contact

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.

• 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.

• 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.

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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:**
 - Use neutralising agent.
 - Dispose of contaminated material as waste according to item 13.
- **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**
 - Keep out of the reach of children.
 - Do not leave the container standing open.
 - 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:**
 - 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

- **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:**

Portland Cement

WEL Long-term value: 10* 4** mg/m³
 *inhalable dust **respirable dust

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• **Additional information:**

* = total dust

** = respirable dust

The lists that were valid during the compilation were used as basis.

• **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.

Avoid contact with the eyes and skin.

• **Breathing equipment:**

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

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **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 protection:**

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• **Appearance:**

Form:

Powder

Colour:

Light grey

• **Smell:**

Characteristic

• **Odour threshold:**

Not determined.

• **pH-value at 20 °C:**

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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.

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• Ignition temperature:	> 500 °C
• Decomposition temperature:	Not determined.
• Self-inflammability:	Product is not selfigniting.
• Explosive properties:	Product is not explosive.
• Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
• Steam pressure:	n. a. hPa
• Density at 20 °C	1.8 g/cm ³
• Settled apparent density at 20 °C	1300 kg/m 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:	
Organic solvents:	0.0 %
• 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 further relevant information available.
• 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:	May cause eye/skin irritation.

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- | | |
|---|--|
| <ul style="list-style-type: none"> • Additional toxicological information: • CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) • Germ cell mutagenicity • Carcinogenicity • Reproductive toxicity • STOT-single exposure • STOT-repeated exposure • Aspiration hazard | <p><i>The product contains cement. In combination with humidity the product provokes an alkaline reaction.</i></p> <p><i>According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes.</i></p> <p><i>Based on available data, the classification criteria are not met.</i></p> <p><i>Based on available data, the classification criteria are not met.</i></p> <p><i>Based on available data, the classification criteria are not met.</i></p> <p><i>May cause respiratory irritation.</i></p> <p><i>May cause damage to organs through prolonged or repeated exposure.</i></p> <p><i>Based on available data, the classification criteria are not met.</i></p> |
|---|--|

SECTION 12: Ecological information

- | | |
|--|--|
| <ul style="list-style-type: none"> • 12.1 Toxicity • Aquatic toxicity: • 12.2 Persistence and degradability • 12.3 Bioaccumulative potential • 12.4 Mobility in soil • Ecotoxicological effects: • Additional ecological information: • General notes: • 12.5 Results of PBT and vPvB assessment • PBT: • vPvB: • 12.6 Other adverse effects | <p><i>No further relevant information available.</i></p> <p><i>No further relevant information available.</i></p> <p><i>No further relevant information available.</i></p> <p><i>No further relevant information available.</i></p> <p><i>only by unintentional binding with much material and water is a highly pH-value possible</i></p> <p><i>Ecological injuries are not known or expected under normal use.</i></p> <p><i>Water hazard class 1 (Self-assessment): slightly hazardous for water.</i></p> <p><i>Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.</i></p> <p><i>Must not reach sewage water or drainage ditch undiluted or unneutralised.</i></p> <p><i>Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.</i></p> <p><i>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.</i></p> <p><i>Not applicable.</i></p> <p><i>Not applicable.</i></p> <p><i>No further relevant information available.</i></p> |
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SECTION 13: Disposal considerations

- | | |
|--|--|
| <ul style="list-style-type: none"> • 13.1 Waste treatment methods • Recommendation • further Notes • Uncleaned packagings: • Recommendation: | <p><i>Disposal according to official regulations</i></p> <p><i>Mix product residue with water, allow to harden, then dispose as Construction Waste.</i></p> <p><i>Disposal must be made according to official regulations.</i></p> |
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• Recommended cleaning agent: Water, if necessary with cleaning agent.

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SECTION 14: Transport information

• 14.1 UN-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 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

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.
- 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.

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.

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H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

- Department issuing data specification sheet:
- Abbreviations and acronyms:

Health protection and safety

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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

Carc. 2: Carcinogenicity – Category 2

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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