

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2014

Version number 7

Revision: 12.03.2014

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

- **Product identifier**
- **Trade name** Servofix HBF SuperTec
- **Relevant identified uses of the substance or mixture and uses advised against** *none*
- **Application of the substance / the mixture** *Sealing mortar*
- **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*
- **Emergency telephone number:** *Poison Information Center Freiburg Tel.: +49(0)761/ 19240 (24h German and English)*

2 Hazards identification

- **Classification of the substance or mixture**
 - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 **Xi; Irritant**
R36/38: Irritating to eyes and skin.
 - **Information concerning particular hazards for human and environment:** *The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*
 - **Classification system:** *The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*
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- **Label elements**
 - **Labelling according to EU guidelines:** *The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)*
 - **Code letter and hazard designation of product:**
 **Xi Irritant**
 - **Risk phrases:** *36/38 Irritating to eyes and skin.*
 - **Safety phrases:**
 - 2 Keep out of the reach of children.*
 - 22 Do not breathe dust.*
 - 25 Avoid contact with eyes.*
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*
 - 29 Do not empty into drains.*
 - 36/37 Wear suitable protective clothing and gloves.*
 - 46 If swallowed, seek medical advice immediately and show this container or label.*
 - 64 If swallowed, rinse mouth with water (only if the person is conscious).*

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures

- Dangerous components:

	Tonerdeschmelzzement ❌ Xi R36/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	25-<50%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂) ⚠ STOT RE 2, H373	3-<10%
	Portland Cement ❌ Xi R38-41 ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315	3-<5%
	Aluminiumoxid substance with a Community workplace exposure limit	< 2.5%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	< 2.5%

- Additional information For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- Description of first aid measures
- After inhalation 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. If symptoms persist, consult doctor.
- After swallowing In case of persistent symptoms consult doctor.
- 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 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents The product itself does not burn.
- Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters none
- Protective equipment: Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Avoid causing dust.

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- **Environmental precautions:** *Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.*
- **Methods and material for containment and cleaning up:** *Collect mechanically.*
- **Reference to other sections** *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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7 Handling and storage

- **Handling**
- **Precautions for safe handling** *Do not leave the container standing open.
Prevent formation of dust.
protected above to humidity*
- **Information about protection against explosions and fires:** *No special measures required.*
- **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.*
- **Specific end use(s)** *No further relevant information available.*

*

8 Exposure controls/personal protection

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

Aluminiumoxid

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

13463-67-7 titanium dioxide

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

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

- **Exposure controls**
- **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 eyes and skin.*

- **Breathing equipment:** *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.*

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- **Protection of hands:** *Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
- **Material of gloves** *Nitrile rubber, NBR
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:** *Safety glasses*

*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Solid.*
 - Colour:** *According to product specification*
- **Smell:** *Characteristic*
- **Odour threshold:** *Not determined.*
- **pH-value at 20 °C:** *12*
- **Change in condition**
 - Melting point/Melting range:** *Not determined*
 - Boiling point/Boiling range:** *not apply*
- **Flash point:** *Not applicable*
- **Inflammability (solid, gaseous)** *Not determined.*
- **Ignition temperature:**
 - Decomposition temperature:** *Not determined.*
- **Self-inflammability:** *Product is not selfigniting.*
- **Danger of explosion:** *Product is not explosive.*
- **Critical values for explosion:**
 - Lower:** *Not determined.*
 - Upper:** *Not determined.*
- **Steam pressure:** *Not applicable.*
- **Density at 20 °C** *1.3 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.*

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kinematic: *Not applicable.*

• **Solvent content:**

Organic solvents: *0.0 %*

• **Other information** *No further relevant information available.*

10 Stability and reactivity

- **Possibility of hazardous reactions** *No dangerous reactions known*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *None known.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

• **LD/LC50 values that are relevant for classification:**

13463-67-7 titanium dioxide

Oral LD50 *>10000 mg/kg (rat)*

- **Primary irritant effect:**
- **on the skin:** *Irritant for skin and mucous membranes.*
- **on the eye:** *Irritant effect.*
- **Sensitization:** *No sensitizing effect known.*
- **Additional toxicological information:** *The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:*
Irritant

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.*
- **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. 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.*

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13 Disposal considerations

- *Waste treatment methods*
 - *Recommendation*
 - *further Notes*
- Disposal according to official regulations*
Mix product residue with water, allow to harden, then dispose as Construction Waste.
- *Uncleaned packagings:*
 - *Recommendation:*
- Disposal must be made according to official regulations.*

*

14 Transport information

- *UN-Number*
 - *ADR, ADN, IMDG, IATA*
- Void*
- *UN proper shipping name*
 - *ADR, ADN, IMDG, IATA*
- Void*
- *Transport hazard class(es)*
 - *ADR, ADN, IMDG, IATA*
 - *Class*
- Void*
- *Packing group*
 - *ADR, IMDG, IATA*
- Void*
- *Environmental hazards:*
 - *Marine pollutant:*
- No*
- *Special precautions for user*
- Not applicable.*
- *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*
- Not applicable.*
- *Transport/Additional information:*
- Not classified as dangerous in the meaning of transport regulations.*

*

15 Regulatory information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
 - *National regulations*
 - *Water hazard class:*
 - *Other regulations, limitations and prohibitive regulations*
 - *Chemical safety assessment:*
- Water hazard class 1 (Self-assessment): slightly hazardous for water.*
-
- A Chemical Safety Assessment has not been carried out.*

*

16 Other information

- *Relevant phrases*
- H315 Causes skin irritation.*
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
.....
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

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- *Department issuing data specification sheet:*
- ** Data compared to the previous version altered.*
- *Comment*

Health protection and safety

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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