

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2009

Revision: 29.06.2009

1 Identification of substance

· **Product details**

· **Trade name**

Servostar 3000

· **Manufacturer/Supplier:**

Kiesel Bauchemie GmbH & Co. KG
Wolf-Hirth-Str. 2

D-73730 Esslingen

Tel.: +49 (0)711/93134-0

Fax: +49 (0)711/93134-140

· **Informing department:**

Laboratory, departments for environmental protection and protection of labour.

· **Emergency information:**

During working hours: laboratory, departments of environmental protection and labour protection.

Off the labour times: Kiesel Bauchemie GmbH & Co. KG

Phone: +49 (0) 151/16353675

e-mail: sucker@kiesel.com

2 Hazards identification

· **Hazard designation:**



Xi Irritant

· **Information pertaining to particular dangers for man 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.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

· **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.

· **GHS label elements**



Danger

H318 - Causes serious eye damage.

H315 - Causes skin irritation.

· **Prevention:**

EUH070 - Toxic by eye contact.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

· **Response:**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

GB

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2009

Revision: 29.06.2009

Trade name Servostar 3000

(Contd. of page 1)

3 Composition/information on ingredients

· **Dangerous components:**

Cement, portland, chemicals

☒ Xi; R 38-41

25-<50%

Danger: ☠ 3.3/1, 3.2/2

· **Additional information**

Have also a look to point 8 "Exposure controls and personal protection"
For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **General information**

If you feel unwell, seek medical advice.

· **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**

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.

5 Fire fighting measures

· **Suitable extinguishing agents**

The product itself does not burn.

· **Protective equipment:**

In case of fire wear self-contained breathing equipment.

6 Accidental release measures

· **Person-related safety precautions:** Ensure adequate ventilation

Avoid causing dust.

Respirator must be worn if exposed to dust.

Wear protective clothing.

· **Measures for environmental protection:**

No special measures required.

· **Measures for cleaning/collecting:**

Dispose of the material collected according to regulations.

Where possible recycling is preferred to disposal or incineration.

· **Additional information:**

hardened after contact with water

7 Handling and storage

· **Handling**

· **Information for safe handling:**

protected above to humidity

Keep out of the reach of children.

Avoid contact with skin and eyes.

Do not breathe dust.

Breathing apparatus only if aerosol or dust is formed.

Prevent formation of dust.

· **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

(Contd. on page 3)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2009

Revision: 29.06.2009

Trade name Servostar 3000

(Contd. of page 2)

- *Information about storage in one common storage facility:* *Not required.*
- *Further information about storage conditions:* *Keep away from food and drink.*

8 Exposure controls and personal protection

- *Additional information about design of technical systems:* *No further data; see item 7.*
- *Components with critical values that require monitoring at the workplace:*

| | |
|------------------------------------|--|
| <i>Cement, portland, chemicals</i> | |
| <i>WEL</i> | <i>Long-term value: 10* 4** mg/m³</i> |
| | <i>*inhalable dust **respirable dust</i> |
- *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:* *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.
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* *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 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*

9 Physical and chemical properties:

- *General Information*

| | |
|----------------|-----------------------|
| <i>Form:</i> | <i>Solid.</i> |
| <i>Colour:</i> | <i>White</i> |
| <i>Smell:</i> | <i>Characteristic</i> |
- *Change in condition*

| | |
|-------------------------------------|-----------------|
| <i>Melting point/Melting range:</i> | <i>n. b. °C</i> |
|-------------------------------------|-----------------|

(Contd. on page 4)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2009

Revision: 29.06.2009

Trade name Servostar 3000

(Contd. of page 3)

| | |
|--|---------------------------------------|
| • Boiling point/Boiling range: • Flash point: | Not applicable |
| • Ignition temperature: | 500°C |
| • Self-inflammability: | Product is not selfigniting. |
| • Danger of explosion: | Product is not explosive. |
| • Critical values for explosion: Lower: | n. a. Vol % |
| • Steam pressure: | n. a. hPa |
| • Density at 20°C | 1.6 g/cm ³ |
| • Settled apparent density at 20°C | 1300 kg/m ³ |
| • Solubility in / Miscibility with Water: | Soluble |
| • pH-value at 20°C: | 12 |
| • Solvent content: | n. a. % |
| • Organic solvents: | 0.0 % |
| • Solids content: | 100.0 % |
| • Additional information | The physical data are average values. |

10 Stability and reactivity

| | |
|---|---|
| • Materials to be avoided: | No decomposition if stored and applied as directed. |
| • Dangerous reactions | No dangerous reactions known |
| • Dangerous products of composition: | none under normal use |

11 Toxicological information

| | |
|--|---|
| • Acute toxicity: | |
| • Primary irritant effect: on the skin: | Irritant for skin and mucous membranes. |
| • on the eye: | Strong irritant with the danger of severe eye injury. |
| • Sensitization: | No sensitizing effect known. |
| • Experience with humans: | If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known. May cause eye/skin irritation. The product contains cement. In combination with humidity the product provokes an alkaline reaction. |
| • Additional toxicological information: | According to concentration, aqueous solution causes irritations or burns of eyes, skin and mucous membranes. 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:

| | |
|-----------------------------|--|
| • Ecotoxicological effects: | only by unintentional binding with much material and water is a highly pH-value possible |
|-----------------------------|--|

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2009

Revision: 29.06.2009

Trade name Servostar 3000

(Contd. of page 4)

· **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.
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.*

13 Disposal considerations

· **Product:**

· **Recommendation**

*Where possible recycling is preferred to disposal or incineration.
Can be landfilled, when in compliance with local regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*

· **European waste catalogue**

17 01 01 concrete

· **Uncleaned packagings:**

· **Recommendation:**

Empty containers should be taken for local recycling, recovery or waster disposal.

· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

14 Transportinstruction

· **Maritime transport IMDG/GGVSea:**

· **Marine pollutant:**

No

· **Transport/Additional information:**

Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

· **Designation according to EC 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

· **Hazard-determining components of labelling:**

Portlandzement

· **Risk phrases:**

*38 Irritating to skin.
41 Risk of serious damage to eyes.*

· **Safety phrases:**

*2 Keep out of the reach of children.
22 Do not breathe dust.
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37 Wear suitable protective clothing and gloves.
46 If swallowed, seek medical advice immediately and show this container or label.*

(Contd. on page 6)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 29.06.2009

Revision: 29.06.2009

Trade name Servostar 3000

(Contd. of page 5)

- National regulations
- Decree to be applied in case of technical fault: n.a.
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations -

16 Other information:

- Relevant R-phrases 38 Irritating to skin.
41 Risk of serious damage to eyes.
- Department issuing data specification sheet: **Health protection and safety**
- Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- * Data compared to the previous version altered.

GB