

Material Safety Data Sheet

According to 91/155 EC

Printing date 03.06.2003

Reviewed on 06.03.2003

1 Identification of substance

· **Product details**

· **Trade name**

ServoFine F 333

· **Manufacturer/Supplier:**

Kiesel Bauchemie
Wolf-Hirth-Str. 2

73730 Esslingen

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

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

· **Informing department:**

during the normal hours of business: export Tel.: +49 (0)711/93134-134

· **Emergency information:**

Gefahrgutbüro Kropshofer GmbH:



Tel.: +49 (0)6132-84463

2 Composition/Data on components:

· **Description:**

Mixtur of special cements and loading materials

· **Dangerous components:**

Quarz		25-50%
Portlandzement-Klinker (chromatarm TRGS 613)	 Xi; R 38-41	10-25%
Tonerdeschmelzzement	 Xi; R 36/38	10-25%

· **Additional information**

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

3 Hazards identification

· **Hazard designation:**



Xi Irritant

· **Information pertaining to particular dangers for man and environment**

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

4 First aid measures

· **General information**

Immediately remove contaminated clothing.
If you feel unwell, seek medical advice.

· **After inhalation**

Do not breathe dust.

· **After skin contact**

Inhalation of dusts causes irritation and swelling of respiratory ducts.

· **After eye contact**

Instantly wash with water and soap and rinse thoroughly.

· **After swallowing**

Rinse opened eye for several minutes under running water. Then consult doctor.

Rinse out mouth and then drink plenty of water.

Make patient vomit by him/herself.

Instantly call for doctor.

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

5 Fire fighting measures

· **Suitable extinguishing agents**

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

· **For safety reasons unsuitable extinguishing agents**

Water with a full water jet.

· **Protective equipment:**

In case of fire wear self-contained breathing equipment.

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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:** Do not allow product to reach sewage system or water bodies.
- **Measures for cleaning/collecting:** Collect mechanically.
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.
- **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
- **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.

8 Exposure controls and personal protection

- **Components with critical values that require monitoring at the workplace:**

Portlandzement-Klinker (chromatarm TRGS 613)

OES Long-term value: $10^* 4^{**} \text{ mg/m}^3$
*total inhalable dust **respirable dust

- **Additional information:** * = total dust
** = respirable dust
- **Personal protective equipment**
- **General protective and hygienic measures** Wash hands during breaks and at the end of the work.
Do not eat or drink while working.
- **Breathing equipment:** No personal respiratory protective equipment normally required.
Breathing apparatus only if aerosol or dust is formed.
- **Protection of hands:** Protective gloves.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** long sleeved clothing

9 Physical and chemical properties:

- **General Information**

Form: Solid.
Colour: Grey
Smell: Characteristic

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· Change in condition	
 Melting point/Melting range:	n. b. °C
· Flash point:	n. a. °C
· Ignition temperature:	n. a. °C
· Critical values for explosion:	
 Lower:	n. a. Vol %
· Steam pressure:	n. a. hPa
· Density	
· Settled apparent density at 20°C	1300 kg/m ³
· pH-value (100 g/l) at 20°C:	13
· Solvent content:	n. a. %
· 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 products of composition:** none under normal use

11 Toxicological information

- 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.

12 Ecological information:

- Ecotoxicological effects:** only by unintentional binding with much material and water is a highly pH-value possible
- General notes:** Do not allow product to reach ground water, water bodies or sewage system.
Ecological injuries are not known or expected under normal use.

13 Disposal considerations

- Product:**
- Recommendation** Where possible recycling is preferred to disposal or incineration.
Can be landfilled, when in compliance with local regulations.
- European waste catalogue** 170101
- Uncleaned packagings:**
- Recommendation:** Empty containers should be taken for local recycling, recovery or waster disposal.

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14 Transportinstruction

- **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
- **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.
36/37 Wear suitable protective clothing and gloves.
46 If swallowed, seek medical advice immediately and show this container or label.
- **National regulations**
- **Decree to be applied in case of technical fault:** nicht unterstellt
- **Technical instructions (air):**
- **Class Share in %** n.a.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

(n.a. - not applicable, n.d. - not determined)

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 R-phrases** 36/38 Irritating to eyes and skin.
38 Irritating to skin.
41 Risk of serious damage to eyes.
- *** Data compared to the previous version altered.**