

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.03.2014

Version number 23

Revision: 10.03.2014

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

- **Product identifier**
- **Trade name** Servocret RS-N
- **Relevant identified uses of the substance or mixture and uses advised against** *none*
- **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)
Off the labour times: Kiesel Bauchemie GmbH & Co. KG
Phone: +49 (0) 151/16353675
e-mail: sida@kiesel.com*

2 Hazards identification

- **Classification of the substance or mixture**
 - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 **Xi; Irritant**
R38-41: Irritating to skin. Risk of serious damage to eyes.
 - **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.*
-
- **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:** *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.
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.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.*

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64 If swallowed, rinse mouth with water (only if the person is conscious).

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixtur of special cements and loading materials

• Dangerous components:

Portland Cement	 Xi R38-41  Eye Dam. 1, H318  Skin Irrit. 2, H315	25-<50%
Tonerdeschmelzzement	 Xi R36/38  Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-<10%

- 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

- Description of 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.
- 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
- Protective equipment: Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.

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6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures*
 Ensure adequate ventilation
 Avoid causing dust.
 Respirator must be worn if exposed to dust.
 Wear protective clothing.
- *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.
 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.
- *Reference to other sections*

7 Handling and storage

- *Handling*
- *Precautions for safe handling*
 Keep out of the reach of children.
 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:*
 No special measures required.
- *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.
- *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

- *Additional information:*
 * = total dust
 The lists that were valid during the compilation were used as basis.
- *Exposure controls*
- *Personal protective equipment*
- *General protective and hygienic measures*
 Do not eat or drink while working.

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- 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 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.*
 - **Body protection:** *long sleeved clothing*

*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Solid.*
 - Colour:** *Grey*
 - **Smell:** *Characteristic*
 - **Odour threshold:** *Not determined.*
- **pH-value (100 g/l) at 20 °C:** *13*
- **Change in condition**
 - Melting point/Melting range:** *n. b. °C*
- **Flash point:** *Not applicable*
- **Inflammability (solid, gaseous)** *Not determined.*
- **Ignition temperature:** *n. a. °C*
- **Decomposition temperature:** *Not determined.*
- **Self-inflammability:** *Product is not selfigniting.*
- **Danger of explosion:** *Product is not explosive.*
- **Critical values for explosion:**
 - Lower:** *n. a. Vol %*
 - Upper:** *Not determined.*
- **Steam pressure:** *n. a. hPa*
- **Density** *1,135 g/cm³*

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• 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:	n. a. %
• Organic solvents:	0.0 %
• Other information	The physical data are average values.

10 Stability and reactivity

• Possibility of hazardous reactions	No dangerous reactions known
• Conditions to avoid	No further relevant information available.
• Incompatible materials:	No decomposition if stored and applied as directed.
• Hazardous decomposition products:	none under normal use

11 Toxicological information

• Information on toxicological effects	
• 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

• 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.

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

*

13 Disposal considerations

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

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**
- **Class Share in %** *n.a.*
- **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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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)

· Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

· Department issuing data
specification sheet:

Health protection and safety

· * 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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