

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 3

Revision: 20.05.2016

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****\* 1.1 Product identifier****\* Trade name** **Kiesol****\* Article number:** 1810**\* 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**\* Application of the substance / the mixture** Sealing**\* 1.3 Details of the supplier of the safety data sheet****\* Manufacturer/Supplier:**

Remmers GmbH  
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D-49624 Lönningen / Germany  
Tel.: +49(0)5432/83-0  
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Remmers (UK) Limited  
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**\* Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010  
E-Mail: sales@remmers.co.uk

**\* 1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

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info@remmers.de

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24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

**SECTION 2: Hazards identification****\* 2.1 Classification of the substance or mixture****\* Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

**\* 2.2 Label elements****\* Labelling according to Regulation (EC) No 1272/2008**

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

**\* Hazard pictograms**

GHS07

**\* Signal word** Warning**\* Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**\* Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.  
 P103 Read label before use.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.

#### \* 2.3 Other hazards

#### \* Results of PBT and vPvB assessment

\* PBT: Not applicable.

\* vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### \* 3.2 Chemical characterisation: Mixtures

\* **Description:** Mixture of the substances listed below with harmless additions.

#### \* Dangerous components:

CAS: 1312-76-1	Silicic acid, potassium salt	5-10%
Reg.nr.: 01-2119456888-17-XXXX	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 31795-24-1	potassium methyl silicate	2.5-5%
EINECS: 250-807-9	Skin Corr. 1A, H314; Eye Dam. 1, H318	
Reg.nr.: 01-2119517439-34-XXXX		

\* **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### \* 4.1 Description of first aid measures

\* **After inhalation** In case of unconsciousness bring patient into stable side position for transport.

#### \* After skin contact

If skin irritation continues, consult a doctor.

Wash immediately 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

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

#### \* 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

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.\* **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### \* 5.3 Advice for firefighters

\* **Protective equipment:** Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### \* 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

#### \* 6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Dilute with plenty of water.

#### \* 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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**\* 6.4 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.

**\* SECTION 7: Handling and storage****\* 7.1 Precautions for safe handling** No special precautions necessary if used correctly.**\* Information about protection against explosions and fires:** No special requirements.**\* 7.2 Conditions for safe storage, including any incompatibilities****\* Storage****\* Requirements to be met by storerooms and containers:** No special requirements.**\* Information on storage in a common storage facility:** none**\* Further information about storage conditions:**

Protect from frost.

Keep container tightly closed.

**\* 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 limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

**\* Additional information:** The lists that were valid during compilation were used as a basis.**\* 8.2 Exposure controls****\* Personal protective equipment****\* General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

**\* Respiratory equipment:**

Use respiratory protection only when aerosol or mist is formed.

Particle-Filter P2.

**\* 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**

Natural rubber, NR

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**

Break through time: max. 240 min (DIN EN 374).

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:** Protective work clothing.

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### SECTION 9: Physical and chemical properties

#### \* 9.1 Information on basic physical and chemical properties

##### \* General Information

##### \* Appearance:

Form: Fluid

Colour: Yellowish

\* Odour: Alcohol-like

\* Odour threshold: Not determined.

\* pH-value at 20 °C: 11.4

##### \* Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100 °C

\* Flash point: Not applicable

\* Inflammability (solid, gaseous) Not applicable.

\* Ignition temperature: not applicable

\* Decomposition temperature: Not determined.

\* Self-inflammability: Product is not self-igniting.

\* Danger of explosion: Product is not explosive.

##### \* Explosive Limits:

Lower: Not determined.

Upper: Not determined.

\* Vapour pressure at 20 °C: 23 hPa

\* Density at 20 °C 1.15 g/cm<sup>3</sup>

\* Relative density Not determined.

\* Vapour density Not determined.

\* Evaporation rate Not determined.

##### \* Solubility in / Miscibility with

Water at 20 °C: ca. 500 g/l

\* Distribution coefficient (n-octanol/water): Not determined.

##### \* Viscosity:

dynamic: Not determined.

kinematic at 20 °C: 12 s (DIN 53211/4)

\* Solvent separation test < 3 %

\* 9.2 Other information No further relevant information available.

### SECTION 10: Stability and reactivity

\* 10.1 Reactivity No further relevant information available.

#### \* 10.2 Chemical stability

##### \* Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

\* 10.3 Possibility of hazardous reactions Exothermic reaction with acids

\* 10.4 Conditions to avoid No further relevant information available.

\* 10.5 Incompatible materials: Acids

\* 10.6 Hazardous decomposition products: No dangerous decomposition products known

### SECTION 11: Toxicological information

#### \* 11.1 Information on toxicological effects

\* Acute toxicity: Based on available data, the classification criteria are not met.

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- \* **LD/LC50 values that are relevant for classification:** No further relevant information available.
- \* **Primary irritant effect:**
- \* **Skin corrosion/irritation**  
Causes skin irritation.
- \* **Serious eye damage/irritation**  
Causes serious eye irritation.
- \* **Sensitisation:** Based on available data, the classification criteria are not met.
- \* **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- \* **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- \* **Carcinogenicity** Based on available data, the classification criteria are not met.
- \* **Reproductive toxicity** Based on available data, the classification criteria are not met.
- \* **STOT-single exposure** Based on available data, the classification criteria are not met.
- \* **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- \* **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- \* **12.1 Toxicity**
- \* **Aquatic toxicity:** No further relevant information available.
- \* **12.2 Persistence and degradability** No further relevant information available.
- \* **12.3 Bioaccumulative potential** No further relevant information available.
- \* **12.4 Mobility in soil** No further relevant information available.
- \* **Additional ecological information:**
- \* **General notes:**  
Do not allow product to reach ground water, bodies of water 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.  
Do not allow undiluted or larger quantities of the product to reach ground water, bodies of water or sewage system.
- \* **12.5 Results of PBT and vPvB assessment**
- \* **PBT:** Not applicable.
- \* **vPvB:** Not applicable.
- \* **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- \* **13.1 Waste treatment methods**
- \* **Recommendation**  
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.  
Do not dispose of together with household garbage. Do not allow product to reach sewage system.
- \* **European waste catalogue**  
07 07 99 wastes not otherwise specified
- \* **Uncleaned packaging:**
- \* **Recommendation:** Disposal must be made according to official regulations.
- \* **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 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

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- \* **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 a hazardous good according to the above 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.
- \* **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- \* **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

- \* **Relevant phrases**

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

- \* **Department issuing data specification sheet:** Product Safety department / EHS

- \* **Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

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