

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

Printing date 28.10.2016

Version number 4

Revision: 23.11.2015

* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

* **1.1 Product identifier**

* **Trade name** **Kiesol C**

* **Article number:** 0727

* **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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West Sussex RH10 9NN
fon +44 (0) 1293 594 010
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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

Head Office Germany: Tel.: +49 (0)5432 83 187

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.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

* **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.

H412 Harmful to aquatic life with long lasting effects.

* **Precautionary statements**

P280 Wear protective gloves.

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- P273 Avoid release to the environment.
 P264 Wash thoroughly after handling.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

* **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: 2943-75-1	triethoxyoctylsilane	60-80%
EINECS: 220-941-2	Skin Irrit. 2, H315	
Reg.nr.: 01-2119972313-39-XXXX		
CAS: 26635-92-7	Stearylaminoxethylat	≤0.5%
	Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	

* **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** Seek medical treatment in case of complaints.

* **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.

* **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** Use fire fighting measures that suit the environment.

* **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.

Do not allow product to reach sewage system or water bodies.

Inform responsible authorities in case product reaches bodies of water or sewage system.

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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Dispose of contaminated material as waste according to item 13.

* **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** Avoid contact with skin and eyes.

* **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.

* **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:**

Only during spraying without adequate removal by suction.

Particle-Filter P2.

* **Protection of hands:**

Impervious gloves

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:** Safety glasses recommended during refilling.

* **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:	Pasty
Colour:	Whitish
* Odour:	Characteristic
* Odour threshold:	Not determined.

* pH-value at 20 °C: 7-8

* Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

* Flash point: > 100 °C

* 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 0.89 g/cm³

* Relative density Not determined.

* Vapour density Not determined.

* Evaporation rate Not determined.

* Solubility in / Miscibility with

Water: Fully miscible

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

* Viscosity:

dynamic at 20 °C:	4500 mPas
kinematic:	Not determined.

* Solvent separation test < 3 %

* Organic solvents: 0.0 %

* 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 No dangerous reactions known

* 10.4 Conditions to avoid No further relevant information available.

* 10.5 Incompatible materials: No further relevant information available.

* 10.6 Hazardous decomposition products: No dangerous decomposition products known

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* SECTION 11: Toxicological information

* 11.1 Information on toxicological effects

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

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

CAS: 2943-75-1 triethoxyoctylsilane

Oral LD50 > 5110 mg/kg (rat)

* **Primary irritant effect:**

* **Skin corrosion/irritation**

Causes skin irritation.

* **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

* **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.

* **Ecotoxicological effects:**

* **Remark:** Harmful to fish

* **Additional ecological information:**

* **General notes:**

Do not allow product to reach ground water, bodies of water or sewage system.

Harmful to aquatic organisms

* **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.

* **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

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* **14.3 Transport hazard class(es)*** **ADR, ADN, IMDG, IATA*** **Class** Void* **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**

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. Delivery specifications are found in the respective Technical Information Sheets.

* **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

* **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

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3