



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

1.1 Product identifier

reca S17 Silikon Acetat, weiß
Article number: 08983115

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Sealing material

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Kellner & Kunz AG
 Boschstr. 37
 4600 Wels / AUSTRIA
 Phone 0043-7242-484-0
 Fax 0043-7242-484-924
 Homepage www.reca.co.at
 E-mail info@reca.co.at

Address enquiries to

Technical information info@reca.co.at

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +43 (0) 1 406 43 43 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms none

Hazard statements none

Special labelling EUH210 Safety data sheet available on request.
 Product treated with biocide DCOIT (CAS 64359-81-5).

Contains: 4,5-dichloro-2-octyl-2H-isothiazol-3-one. EUH208 May produce an allergic reaction.

2.3 Other hazards

Environmental hazards Does not contain any PBT or vPvB substances.

Other hazards No particular hazards known.



SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
10 - <30	Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics
	CAS: 64742-46-7, EINECS/ELINCS: 932-078-5, Reg-No.: 01-2119552497-29-XXXX
	GHS/CLP: Asp. Tox. 1: H304
1 - <5	Triacetoxymethylsilane
	CAS: 4253-34-3, EINECS/ELINCS: 224-221-9, Reg-No.: 01-2119962266-32-XXXX
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314
1 - <5	Propyltriacetoxysilane
	CAS: 17865-07-5, EINECS/ELINCS: 241-816-9, Reg-No.: 01-2119966899-07-XXXX
	GHS/CLP: Skin Corr. 1B: H314
0,1 - <0,25	4,5-dichloro-2-octyl-2H-isothiazol-3-one
	CAS: 64359-81-5, EINECS/ELINCS: 264-843-8
	GHS/CLP: Acute Tox. 4: H302 H312 - Skin Corr. 1B: H314 - STOT SE 3: H335 - Skin Sens. 1: H317 - Aquatic Acute 1: H400, M = 100

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Get medical advice.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, dry powder, water spray jet, carbon dioxide.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Carbon monoxide (CO)
Risk of formation of toxic pyrolysis products.



5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Forms slippery surfaces with water.

Use personal protective clothing.

Ensure adequate ventilation.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.

Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid spilling or spraying in enclosed areas.

Use only in well-ventilated areas.

Keep away from all sources of ignition - Refrain from smoking.

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep away from water.

Keep container in a well-ventilated place.

Keep container tightly closed.

Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2



SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational
exposure limits to be monitored (GB)

not applicable

DNEL

Substance
Propyltriacetoxysilane, CAS: 17865-07-5
Industrial, dermal, Long-term - systemic effects: 12,11 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 85,39 mg/m³.
general population, oral, Long-term - systemic effects: 6,05 mg/kg bw/d.
general population, dermal, Long-term - systemic effects: 6,05 mg/kg bw/d.
general population, inhalative, Long-term - systemic effects: 21,06 mg/m³.
Triacetoxymethylsilane, CAS: 4253-34-3
Industrial, inhalative, Acute - local effects: 31 mg/m³.
Industrial, inhalative, Long-term - local effects: 31 mg/m³.
general population, inhalative, Long-term - local effects: 5,1 mg/m³.
general population, inhalative, Acute - local effects: 5 mg/m³.

PNEC

Substance
Propyltriacetoxysilane, CAS: 17865-07-5
sediment (seaater), 1,457 µg/kg.
sediment (freshwater), 14,57 µg/kg.
sediment (seaater), 1.457 µg/kg.
soil, 0,00336 mg/l.
seawater, 0,002441 mg/l.
freshwater, 0,02441 mg/l.
sewage treatment plants (STP), 10,55 mg/l.
Triacetoxymethylsilane, CAS: 4253-34-3
soil, 0,145 mg/l.
seawater, 0,1 mg/l.
freshwater, 1,0 mg/l.
sediment (seaater), 0,34 mg/kg.
sediment (freshwater), 3,4 mg/kg.
sewage treatment plants (STP), 6.9 mg/L.



8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. 0,4 mm Butyl rubber, >120 min (EN 374-1/-2/-3).
Skin protection	light protective clothing
Other	Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	Respiratory protection mask in the event of high concentrations. Short term: filter apparatus, filter AX (DIN EN 14387).
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	various
Odor	acetic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 300
Flash point [°C]	> 60
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	10
Density [g/ml]	1,01 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	> 20,5 mm²/s (40 °C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	> 200
Decomposition temperature [°C]	No information available.

9.2 Other information

none



SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Acetic acid.



SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.:
dermal, Based on the available information, the classification criteria are not fulfilled.:
ATE-mix, oral, Rat: > 2000 mg/kg.
Substance
4,5-dichloro-2-octyl-2H-isothiazol-3-one, CAS: 64359-81-5
LD50, dermal, Rabbit: > 2000 mg/kg.
LD50, oral, Rat: 978 mg/kg.
LC50, inhalative, Rat: 0,758 mg/l 4h.
Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics, CAS: 64742-46-7
LD50, dermal, Rabbit: >3160 mg/kg.
LD50, oral, Rat: >5000 mg/kg.
LC50, inhalative, Rat: >5266 mg/l.
Propyltriacetoxysilane, CAS: 17865-07-5
LD50, oral, Human: 1460 mg/kg (Lit.).
Triacetoxymethylsilane, CAS: 4253-34-3
LD50, oral, Rat: 1600 mg/kg.

Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.
Non-irritant.
No classification due to toxicological investigations.

Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.
Non-irritant.
No classification due to toxicological investigations.

Respiratory or skin sensitisation

Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.
May produce an allergic reaction.
Calculation method

Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure

Based on the available information, the classification criteria are not fulfilled.

Mutagenicity

Based on the available information, the classification criteria are not fulfilled.

Reproduction toxicity

Based on the available information, the classification criteria are not fulfilled.

Carcinogenicity

Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.
v > 20,5 mm²/s (40 °C)

General remarks

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



SECTION 12: Ecological information

12.1 Toxicity

Product
Based on the available information, the classification criteria are not fulfilled.:
Substance
4,5-dichloro-2-octyl-2H-isothiazol-3-one, CAS: 64359-81-5
LC50, (96h), <i>Lepomis macrochirus</i> : 0,014 mg/l.
LC50, (96h), <i>Oncorhynchus mykiss</i> : 0,0027 mg/l.
EC50, (48h), <i>Daphnia magna</i> : 0,0052 mg/l.
Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, <0.03% aromatics, CAS: 64742-46-7
EL50, (72h), Algae: 10 g/L.
LL50, (48h), Invertebrates: 3.193 g/L.
LL50, (96h), fish: 1.028 g/L.
Propyltriacetoxysilane, CAS: 17865-07-5
LC50, (96h), <i>Brachidanio rerio</i> : 251 mg/l (Lit.).
EC50, (48h), <i>Daphnia magna</i> : 62 mg/l (Lit.).
IC50, (72h), <i>Scenedesmus subspicatus</i> : 73 mg/l (Lit.).
Triacetoxymethylsilane, CAS: 4253-34-3
LC50, (96h), fish: > 500 mg/L.
EC50, (72h), Algae: > 500 mg/L.
EC50, (48h), Invertebrates: > 500 mg/L.

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	not applicable
Biological degradability	not applicable

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecotoxicological data are not available.

Do not discharge product unmonitored into the environment.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended) 080410
080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150102
150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable



14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EEC-REGULATIONS 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2018).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- Observe employment restrictions for people not applicable

- VOC (2010/75/CE) 0%

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H400 Very toxic to aquatic life.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.
 H302+H312 Harmful if swallowed or in contact with skin.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H314 Causes severe skin burns and eye damage.



16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ATE = acute toxicity estimate
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 NOAEL = No Observed Adverse Effect Level
 NOEC = No Observed Effect Concentration
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 STP = Sewage Treatment Plant
 TLV®/TWA = Threshold limit value – time-weighted average
 TLV®STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Modified position

SECTION 3 been added: Triacetoxymethylsilane

SECTION 3 deleted: Triacetoxymethylsilane

SECTION 5 been added: Risk of formation of toxic pyrolysis products.

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