

Safety data sheet

according to 1907/2006/EC, Annex II

Printing date 07.02.2019

Version number 3

Revision: 07.02.2019

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

- **1.1 Product identifier**
- **Trade name:** Silicon E
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 SU21 Consumer uses: Private households / general public / consumers
- **Application of the substance / the mixture** silicone elastomer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 EURO-LOCK Vertriebs-GmbH
 Nordweststr. 3
 D-59387 Ascheberg
 www.euro-lock.de
 info@euro-lock.de
 Tel. +49 (0)2593 95887-0
 Fax +49 (0)259395887-29
- **Further information obtainable from:**
 info@euro-lock.de Tel.: +49 (0)2593 95887-0
- **1.4 Emergency telephone number:** +49 (0)2593 95887-0
 Monday - Thursday 8:00 - 17:00 CET, Friday 8:00 - 13:00 CET

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 The product is tested according 92/69/EC and is not classified as irritating to skin and eyes.
 The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
 Safety data sheet available on request.
- **2.3 Other hazards** not applicable
- **Results of PBT and vPvB assessment**

· PBT:	
540-97-6	dodecamethylcyclohexasiloxane (D6)

· vPvB:	
540-97-6	dodecamethylcyclohexasiloxane (D6)

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 64742-46-7	Distillates (petroleum), hydrotreated middle	25-50%
EINECS: 265-148-2	⚠ Asp. Tox. 1, H304	
Reg.nr.: 01-2119552497-29-xxxx		
CAS: 17865-07-5	Propyltriacetoxysilan	1-2.5%
EINECS: 241-816-9	⚠ Skin Corr. 1B, H314	
Reg.nr.: 01-2119966899-07-xxxx		

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CAS: 4253-34-3 EINECS: 224-221-9 Reg.nr.: 01-2119962266-32-xxxx	methysilanetriyl triacetate ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302	1-2.5%
CAS: 540-97-6 EINECS: 208-762-8 Reg.nr.: 01-2119517435-42-xxx	dodecamethylcyclohexasiloxane (D6) Non-classified vPvB substance. Non-classified PBT substance.	<1%
· SVHC		
540-97-6	dodecamethylcyclohexasiloxane (D6)	

· **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**
- **General information:**
In case of accident or if you feel unwell, seek medical advice (show label or MSDS if possible).
- **After inhalation:** No treatment necessary if the product is used normally.
- **After skin contact:**
Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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:**
CO₂, powder or water spray. Fight larger fires with water spray.
Foam
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose of the material collected according to regulations.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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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 disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

- Use only in well ventilated areas.
- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

· Information about fire - and explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- Information about storage in one common storage facility: None.
- Further information about storage conditions: None.

· 7.3 Specific end use(s) Gewerbliche Verwendung

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

- During the curing small amount of acetic acid will be released.

· DNELs

17865-07-5 Propyltriacetoxysilan

Oral	cstm, long, system, oral	6.05 mg/kg/d (mouse)
Dermal	wrks, long, system	12.11 mg/kg/d (mouse)
	cstm, long, system	6.05 mg/kg/d (rabbit)
Inhalative	wrks, long, system	85.39 mg/m ³ (mouse)
	cstm, long, system	21.06 mg/m ³ (rabbit)

4253-34-3 methylsilanetriyl triacetate

Oral	cstm, long, system, oral	1 mg/kg/d (mouse)
	cstm, short, system	1 mg/kg bw/d (rabbit)
Dermal	wrks, long, system	14.5 mg/kg/d (mouse)
	cstm, long, system	7.2 mg/kg/d (mouse)
Inhalative	wrks, short, system	14.5 mg/kg bw/d (rabbit)
	cstm, short, system	7.2 mg/kg bw/d (rabbit)
	wrks, long, system	25 mg/m ³ (mouse)
	cstm, long, system	6.3 mg/m ³ (mouse)
	wrks, short, system	25 mg/m ³ (rabbit)
	wrks, long, local	31 mg/m ³ (rabbit)
Inhalative	cstm, long, local	5.1 mg/m ³ (mouse)
	cstm, short, local	5.1 mg/m ³ (rabbit)
	cstm, short, system	6.3 mg/m ³ (rabbit)
	wrks, short, local	31 mg/m ³ (mouse)

· PNECs

17865-07-5 Propyltriacetoxysilan

Oral	fresh water	0.02441 mg/l (daphnia)
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sediment (fresh water)	0.01457 mg/(kg dw) (daphnia)
STP	10.55 mg/l (daphnia)
soil	0.00336 mg/(kg dw) (daphnia)
sediment (marine water)	0.001457 mg/(kg bw) (daphnia)
marine water	0.002441 mg/l (daphnia)

4253-34-3 methylsilanetriyl triacetate

Oral	fresh water	1 mg/l (daphnia)
	sediment (fresh water)	3.4 mg/(kg dw) (daphnia)
	STP	10 mg/l (daphnia)
	soil	0.145 mg/(kg dw) (daphnia)
	sediment (marine water)	0.34 mg/(kg bw) (daphnia)
	marine water	0.1 mg/l (daphnia)
	intermittent release	10 mg/l (daphnia)

· Additional Occupational Exposure Limit Values for possible hazards during processing:

64-19-7 acetic acid

WEL (Great Britain)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
IOELV (EU)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:** Do not eat or drink while working.

· **Respiratory protection:** Not required.

· **Protection of hands:**

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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.

· **Material of gloves**

Recommended thickness of the material: ≥ 0.5 mm

Nitrile rubber, NBR

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	paste-like
Colour:	According to product specification
Odour:	Characteristic

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· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	370 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	3.0 %
Upper:	16 %
· Vapour pressure:	Not applicable.
· Density at 20 °C:	0.93 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	0.0 %
VOC (EC)	0.0 g/l
VOC (EU)	0.00 %
VOCV (CH)	0.00 %
Solids content:	50.0 %
· 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 occur when handling in accordance with the rules.
No decomposition if used according to specifications.

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 relevant for classification:**

64742-46-7 Distillates (petroleum), hydrotreated middle

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,150 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,266 mg/l (rat)

4253-34-3 methylsilanetriyl triacetate

Oral	LD50	1,600 mg/kg (rat)
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· **Primary irritant effect:**

· **Skin corrosion/irritation**

No irritant effect.

test system/specie: rabbit

· **Serious eye damage/irritation**

No irritant effect.

test system/specie: rabbit

· **Respiratory or skin 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** No further relevant informations 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:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:**

540-97-6	dodecamethylcyclohexasiloxane (D6)
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· **vPvB:**

540-97-6	dodecamethylcyclohexasiloxane (D6)
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· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation** Smaller quantities can be disposed of with household waste.

· **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 02	plastic packaging
HP 8	Corrosive

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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 |
| · 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. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Labelling of 'treated articles' according to Regulation (EU) 528/2012, Article 58. This product contains a biocidal product (4,5-dichloro-2-octyl-2H-isothiazol-3-on (DCOIT), CAS-Nr. 64359-81-5) for the preservation of the dry film.
 - **Directive 2012/18/EU**
 - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 - **National regulations:**
 - **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
 - **Other regulations, limitations and prohibitive regulations**
- | |
|--|
| · Substances of very high concern (SVHC) according to REACH, Article 57 |
| 540-97-6 dodecamethylcyclohexasiloxane (D6) |
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.

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· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ctsm, long, system: general population, long-term exposure, systematic effects

cstm, short, system: general population, acute / short-term exposure, systematic effects

wrks, long, system: workers, long-term exposure - systemic effects

wrks, short, system: workers, acute / short-term exposure - systemic effects

cstm, long, local: general population, long-term exposure, local effects

STP: sewage treatment plant

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)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

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

Asp. Tox. 1: Aspiration hazard – Category 1

· * Data compared to the previous version altered.

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