

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

Printing date 18.05.2020

Version number 1

Revision: 12.04.2019

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

- **1.1 Product identifier**
- **Trade name:** FWR Silicone Sealant 280 gr
- **Article number:** S-1160
- **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**
Sealant
Construction chemicals
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
FWR
Betek Boya ve Kimya Sanayi A.Ş.
G.O.S.B. Tembelova Alanı 3200 Sok. No:3206
41400 Gebze/Kocaeli/Türkiye
Tel: 00 90 262 678 30 00
Fax: 00 90 262 641 21 68
- **Further information obtainable from:** murat.kucukkul@betek.com.tr
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
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:**
Keep out of reach of children.
Incorporates biocidal products:
EUH208 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**

· **PBT:**

CAS: 540-97-6	dodecamethylcyclhexasiloxane, D6
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· **vPvB:**

CAS: 540-97-6	dodecamethylcyclhexasiloxane, D6
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SECTION 3: Composition/information on ingredients

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

· **Dangerous components:**

EC number: 934-956-3 Reg.nr.: 01-2119827000-58-XXXX	Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics Asp. Tox. 1, H304	<30%
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EC number: 927-632-8 Reg.nr.: 01-2119457736-27-XXXX	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics Asp. Tox. 1, H304	<2% <10%
CAS: 540-97-6 EINECS: 208-762-8 Reg.nr.: 01-2119517435-42	dodecamethylcyclhexasiloxane, D6 VPvB substance. PBT substance.	<0.35%

- **SVHC**

- CAS: 540-97-6 | dodecamethylcyclhexasiloxane, 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:**

- Immediately remove any clothing soiled by the product.
 - Personal protection for the First Aider.

- **After inhalation:**

- Supply fresh air; consult doctor in case of complaints.
 - In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

- Wash with plenty of water or water and soap. In cases of sickness seek medical advice (show label if possible).

- **After eye contact:**

- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Do not induce vomiting; call for medical help 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 extinguishing methods suitable to surrounding conditions.
 - CO₂, powder or water spray. Fight larger fire with alcohol resistant 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).

- Silicon oxide (SiO₂)

- **5.3 Advice for firefighters**

- **Protective equipment:**

- Wear self-contained respiratory protective device.
 - Do not inhale explosion gases or combustion gases.
 - Wear fully protective suit.

- **Additional information**

- Collect contaminated fire fighting water separately. It must not enter the sewage system.
 - Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:**

- Do not allow to enter sewers / surface or ground water.
 - Inform respective authorities in case of seepage into water course or sewage system.

- **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 disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Keep away from heat and direct sunlight.
- Store in cool, dry place in tightly closed receptacles.
- Ensure good ventilation / exhaustion at the workplace.
- Provide good ventilation.

Information about fire - and explosion protection:

- Protect from heat.
- Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:

- Keep away from water and moisture.
- Store only in the original receptacle.
- Store in a cool location.

Information about storage in one common storage facility: Store away from oxidizers.

Further information about storage conditions:

- Protect from frost.
- Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

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:

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

DNELs
CAS: 540-97-6 dodecamethylcyclohexasiloxane, D6

Oral	DNEL	1.7 mg/kg/Tag (General population, consumers)
Inhalative	DNEL	2.7 mg/m ³ (General population, consumers) 11 mg/m ³ (Workers)

PNECs
CAS: 540-97-6 dodecamethylcyclohexasiloxane, D6

(freshwater sediments)	2.826 mg/kg
(sea water sediments)	0.282 mg/kg
(soil)	3.336 mg/kg

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:

- The usual precautionary measures are to be adhered to when handling chemicals.
- Immediately remove all soiled and contaminated clothing.
- Avoid contact with the eyes and skin.
- Keep away from foodstuffs, beverages and feed.
- Do not eat, drink, smoke or sniff while working.
- Do not inhale dust / smoke / mist.
- Wash hands before breaks and at the end of work.

Respiratory protection:

- Use suitable respiratory protective device in case of insufficient ventilation.
- Filter A.

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- **Protection of hands:**



Protective gloves

EN 374

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**

Recommended thickness of the material: ≥ 0.35 mm.

Polyethylene 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**

Short term contact: ≥ 10 min (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

EN 166

- **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
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined

- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined

- **Flash point:** >100 °C

- **Flammability (solid, gas):** Not applicable

- **Decomposition temperature:** Not determined

- **Auto-ignition temperature:** Product is not selfigniting

- **Explosive properties:** Product does not present an explosion hazard

- **Explosion limits:**

Lower:	Not determined
Upper:	Not determined

- **Vapour pressure:** Not determined

Density:	0.96 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined

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- | | |
|--|---|
| · Solubility in / Miscibility with water: | Not determined. |
| · Partition coefficient: n-octanol/water: | Not determined |
| · Viscosity: | |
| Dynamic: | Not determined |
| Kinematic: | Not determined |
| · 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** Reacts with oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidants.
- **10.6 Hazardous decomposition products:** Formaldehyde

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 relevant for classification:**

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit)
Inhalative	LC50	>5,266 mg/l (rat)

CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Oral	LD50	1,636 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	LC50/4h	0.05 mg/l (ATE)
	LC50	0.26 mg/l (rat)

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics

Inhalative	LC50/4h	>5.0 mg/l (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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:**

CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

EC50	0.0052 mg/l (daphnia)
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LC50 | 0.0027 mg/l (fish)

- **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 undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

- **PBT:**

CAS: 540-97-6	dodecamethylcyclhexasiloxane, D6
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- **vPvB:**

CAS: 540-97-6	dodecamethylcyclhexasiloxane, 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**

Dispose of in a safe manner in accordance with local / national regulations.

Do not allow to enter surface or ground water.

Assigning a code from the waste catalogue depends on the sector, in which the user operates, as well as on arrangements made between the waste generator and a competent environment protection department.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging

- **Uncleaned packaging:**

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

SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA**

Not applicable

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA**

Not applicable

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class**

Not applicable

- **14.4 Packing group**

- **ADR, IMDG, IATA**

Not applicable

- **14.5 Environmental hazards:**

Not applicable.

- **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":**

Not applicable

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SECTION 15: Regulatory information

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

1907/2006/CE Regulation, REACH
 1272/2008/CE Regulation, CLP
 2015/830/UE Regulation

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **Other regulations, limitations and prohibitive regulations**

Restrictions on the marketing and use of certain dangerous substances and mixtures (Annex XVII, REACH):
 No restriction

· Substances of very high concern (SVHC) according to REACH, Article 57
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CAS: 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**

H304 May be fatal if swallowed and enters airways.

- **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)
 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
 Asp. Tox. 1: Aspiration hazard – Category 1

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