



A PREMIUM GRADE NEUTRAL SILICONE AVAILABLE IN MANY COLOURS

## PRODUCT DESCRIPTION

Bespoke Colour Match Silicone is a plasticiser free neutral silicone sealant which can be ordered in a lot of colours from 12 cartridges, and cures under influence of humidity to form a durable elastic rubber.

## DIRECTIONS OF USE

Application temperature: +5°C to +40°C (environment and substrate). Surfaces must be dry, clean and solid. Bespoke Colour Match Silicone adheres perfectly without needing to use a primer, to most non porous substrates.

## DIRECTIONS OF USE

Bespoke Colour Match Silicone is specially developed elastic sealing of natural stone and expansion joints in concrete and brickwork, connection joints, curtain wall constructions, glazingsystems, kitchens, bathrooms, showers and industrial applications.

### #Remark

Compatibility with edge seals of insulation glass cannot be guaranteed, as the compositions of sealant for the edges of insulation glass can be different or changed by the producer of insulation glass. Advices concerning the compatibility of glazing sealants to the edge seals of insulation glass are based on experience and therefore not guaranteed.



## CHARACTERISTICS / ADVANTAGES

- No staining or discolouring on natural stone
- Perfect bonding without primer on most substrates
- Sanitary formulation
- Wide range of colours
- Neutral curing
- Almost odourless

## APPROVALS / STANDARDS

- EN 15651-1: F-EXT-INT-CC 20LM
- EN 15651-2: G-CC
- EN 15651-3: S XS2

## PRODUCT INFORMATION

100% Modulus	N/mm <sup>2</sup>	0.40 MPA
Application Rate		130 g/min
Application Temp.		+5°C till +40°C
Base		Neutrale alcoxy
Curing Time	@23°C/50% RH	2mm/day
Density		1.01 g/ml
Elongation at Break		530%
Flow	ISO 7390	<2mm
Frost Resistance during transportation		till -15°C
Joint Movement		20%
Shore-A Hardness	DIN 53505	15 Shore A
Skin Formation	@23°C/55% RH	15 min
Temperature Resistance		-40°C till +120°C
Tensile Strength	N/mm <sup>2</sup>	0.96 MPA



## SURFACE PREPARATIONS AND FINISHING

Surfaces must be dry, clean and solid. Clean surfaces before application. Smooth the joint to finish.

## PAINTABILITY

This silicone is not paintable. It is recommended to cover the edges of the joint with masking tape in order to prevent that surfaces which remain to be painted will be contaminated with silicone.

## CLEANING

Uncured material and tools can be cleaned. Cured material can only be mechanically removed.  
Hands should be cleaned afterwards.

## LIMITATIONS

Discoloration can occur in dark places and by contact with chemicals. Not suitable for PE, PP, PC, PMMA, PTFE, neoprene and bituminous substrates.

## PACKAGING

Cartridge 310ml

## SHELF LIFE

In unopened original packaging between +5°C and +25°C, shelflife till 9 months after production date, stored in a dry place.

## HEALTH & SAFETY

Data sheet must be read and understood before use of product. These are available on request and via the Oadby Plastics website

## PLEASE NOTE

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

### 1.1 | Product Identifier

**Product Name:** Bespoke Colour Match Silicone  
**Pure substance/mixture:** QMS003

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

**Recommended use:** Sealant  
**Uses advised against:** None known

## SECTION 2: Hazards identification

### 2.1 | Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 3 - (H412)
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### 2.2 | Label elements

**Signal word:**  
None

**Hazard statements:**  
H412 - Harmful to aquatic life with long lasting effects

**EU Specific Hazard Statements:**  
EUH208 - Contains 2-octyl-2H-isothiazol-3-one [OIT]. May produce an allergic reaction

**Precautionary Statements - EU (§28, 1272/2008)**  
P273 - Avoid release to the environment  
P501 - Dispose of contents / container to an approved waste disposal plant

### 2.3 | Other hazards:

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

#### **PBT and vPvB assessment**

This mixture contains substances considered to be persistent, bio-accumulating and toxic (PBT). This mixture contains substances considered to be very persistent and very bioaccumulating (vPvB)

## SECTION 3: Composition/information on ingredients

### 3.1 | Substances

Not applicable

# Bespoke Colour Match Silicone



## 3.2 | Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SLC)	REACH Registration Number
Silica, amorphous	231-545-4	7631-86-9	5 - <10	[B]	-	01-2119379499-16-XXXX
Dodecamethylcyclohexasiloxane [D6]	208-762-8	540-97-6	0.1 - <1	PBT vPvB	-	01-2119517435-42-XXXX
Decamethylcyclopentasiloxane [D5]	208-764-9	541-02-6	0.1 - <1	PBT vPvB	-	01-2119511367-43-XXXX
Octamethylcyclotetrasiloxane [D4]	209-136-7	556-67-2	0.1 - <1	Repr. 2 (H361f) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226) [G]	-	01-2119529238-36-XXXX
2-octyl-2H-isothiazol-3-one [OIT]	247-761-7	26530-20-1	0.0015 - <0.01	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Skin Corr. 1B (H314) Eye Dam 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Skin Sens. 1A :: C>=0.0015%	-

**Full text of H- and EUH-phrases: see section 16**

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), (Article 59))

Chemical name	Ec No	CAS No	SVHC Candidates
Dodecamethylcyclohexasiloxane [D6]	208-762-8	540-97-6	X
Decamethylcyclopentasiloxane [D5]	208-764-9	541-02-6	X
Octamethylcyclotetrasiloxane [D4]	209-136-7	556-67-2	X

## SECTION 4: First aid measures

### 4.1 | Description of first aid measures

**General advice:**

Show this safety data sheet to the doctor in attendance. If attendance. If medical advice is needed, have product container or label at hand

**Inhalation:**

Remove to fresh air. If symptoms persist, call a doctor

**Eye contact:**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist

**Skin contact:**

In the case of skin irritation or allergic reactions, see a doctor. Wash skin with soap and water

**Ingestion:**

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Do NOT induce vomiting

### 4.2 | Most important symptoms and effects, both acute and delayed

**Symptoms:**

None known

### 4.3 | Indication of any immediate medical attention and special treatment needed

**Note to doctors:**

Treat symptomatically

## SECTION 5: Fire fighting measures

### 5.1 | Extinguishing media

**Suitable extinguishing media:**

Water, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam

**Unsuitable extinguishing media:**

Full water jet

### 5.2 | Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical:**

Hazardous combustion products

**Unsuitable extinguishing media:**

Silicone oxides. Silicone dioxide. Thermal decomposition can lead to release of irritating and toxic gases and vapours

### 5.3 | Advice for firefighters

**Specific protective equipment and precautions for fire-fighters:**

Wear self contained breathing apparatus for fire fighting if necessary

## SECTION 6: Accidental release measures

### 6.1 | Personal precautions, protective equipment and emergency procedures

**Personal precautions:**

Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Ensure adequate ventilation

**For emergency responders:**

Use personal protection recommended in Section 8

### 6.2 | Environmental precautions

**Environmental precautions:**

Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information

### 6.3 | Methods and material for containment and cleaning up

**Methods for containment:**

Do not scatter spilled material with high pressure water streams

**Methods for cleaning up:**

Take up mechanically, placing in appropriate containers for disposal

**Prevention of secondary hazards:**

Clean contaminated objects and areas thoroughly observing environmental regulations

### 6.4 | Reference to other sections:

See section 8 for more information

See section 13 for more information

## SECTION 7: Handling and storage

### 7.1 | Precautions for safe handling

**Advice on safe handling:**

Ensure adequate ventilation

**General hygiene considerations:**

Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse

### 7.2 | Conditions for safe storage, including any incompatibilities

**Storage Conditions:**

Protect from moisture. Keep away from food, drink and animal feedingstuffs

**Recommended storage temperature:**

Keep at temperatures between 10 and 35°C

### 7.3 | Specific end use(s)

Sealant

**Risk Management Methods (RMM):**

The information required is contained in this safety data sheet

**Other information:**

Observe technical data sheet



## SECTION 8: Exposure controls/personal protection

### 8.1 | Control parameters

**Exposure Limits:**

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

Chemical name	European Union	United Kingdom
Silica, amorphous 7631-86-9	TWA: 0.1 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> STEL: 18 mg/m <sup>3</sup> STEL: 7.2 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup>
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> *	TWA: 200 ppm TWA 266 mg/m <sup>3</sup> STEL: 250 ppm STEL: 333 mg/m <sup>3</sup> SK*

Chemical name	European Union	Ireland	United Kingdom
Methyl alcohol 67-56-1	-	15 mg/L (urine - methanol end of shift)	-

**Derived No Effect Level (DNEL):**

No information available

**Derived No Effect Level (DNEL)**

**Dodecamethylcyclohexasiloxane [D6] (540-97-6)**

Type	Worker / Long term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	11 mg/m <sup>3</sup>
Type	Worker / Long term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	1.22 mg/m <sup>3</sup>
Type	Worker / Short term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	6.1 mg/m <sup>3</sup>



**SECTION 8: Continued**

**Decamethylcyclopentasiloxane [D5] (541-02-6)**

Type	Worker / Short term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	9.7 mg/m <sup>3</sup>

Type	Worker / Short term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	24.2 mg/m <sup>3</sup>

Type	Worker / Long term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	97.3 mg/m <sup>3</sup>

Type	Worker / Long term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	24.2 mg/m <sup>3</sup>

**Octamethylcyclotetrasiloxane [D4] (556-67-2)**

Type	Worker / Long term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	73 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)**

**Dodecamethylcyclohexasiloxane [D6] (540-97-6)**

Type	Consumer / Long term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	2.7 mg/m <sup>3</sup>

Type	Consumer / Long term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	0.3 mg/m <sup>3</sup>

Type	Consumer / Short term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	1.5 mg/m <sup>3</sup>





**SECTION 8: Continued**

Type	Consumer / Long term / Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	1.7 mg/kg bw/d

Type	Consumer / Short term / Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	1.7 mg/kg bw/d

**Decamethylcyclpentasiloxane [D5] (541-02-6)**

Type	Consumer / Short term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	17.3 mg/m <sup>3</sup>

Type	Consumer / Short term / Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	5 mg/kg bw/d

Type	Consumer / Short term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	4.3 mg/m <sup>3</sup>

Type	Consumer / Long term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	17.3 mg/m <sup>3</sup>

Type	Consumer / Long term / Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	5 mg/kg bw/d

Type	Consumer / Long term / Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	4.3 mg/m <sup>3</sup>

**Octamethylcyclotetrasiloxane [D4] (556-67-2)**

Type	Consumer / Long term / Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	13 mg/m <sup>3</sup>



**SECTION 8: Continued**

Type	Consumer / Long term / Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	3.7 mg/kg bw/d

**Predicted No Effect Concentration (PNEC):**  
No information available

**Predicted No Effect Concentration (PNEC)**  
**Dodecamethylcyclohexasiloxane [D6] (540-97-6)**

Environmental compartment	Predicted No Effect Concentration (PNEC)
Sewage treatment plan	>1 mg/l
Freshwater sediment	13 mg/kg dry weight
Marine sediment	1.3 mg/kg dry weight
Soil	3.77 mg/kg dry weight
Sewage treatment plan	>10 mg/l

**Decamethylcyclopentasiloxane [D5] (541-02-6)**

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	>0.0012 mg/l
Marine water	>0.00012 mg/l
Freshwater sediment	2.4 mg/kg
Soil	1.1 mg/kg
Sewage treatment plan	>10 mg/l

**Octamethylcyclotetrasiloxane [D4] (556-67-2)**

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	>0.0015 mg/l
Marine water	>0.00015 mg/l
Freshwater sediment	3 mg/kg
Marine sediment	0.3 mg/kg
Sewage treatment plan	0.54 mg/kg
Soil	10 mg/l



## SECTION 8: Continued

### 8.2 | Exposure controls

**Engineering Controls:**

Ensure adequate ventilation, especially in confined areas

**Personal protective equipment**

**Eye/face protection:**

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166

**Hand protection:**

Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Glove thickness > 0.7mm. Recommended Use: Neoprene.™ Nitrile rubber. Butyl rubber. Gloves must conform to standard EN 374

**Skin and body protection:**

None under normal use conditions

**Respiratory protection:**

In case of inadequate ventilation, wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas

**Recommended filter type:**

Organic gases and vapours filter conforming to EN 14387. White. Brown

**Environmental exposure control:**

Do not allow uncontrolled discharge of product into the environment

### 9.1 | Information on basic physical and chemical properties

Physical state	Solid
Appearance	Paste
Colour	Multiple colours
Odour	Characteristic
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known. Insoluble in water
pH (as aqueous solution)	No data available	None known



## SECTION 9: Physical and chemical properties

<b>Kinematic viscosity</b>	>20.5	None known
<b>Dynamic viscosity</b>	No data available	
<b>Water solubility</b>	Insoluble in water	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapour pressure</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Bulk Density</b>	No data available	
<b>Liquid Density</b>	1.02	
<b>Relative vapour density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle size</b>	No data available	
<b>Particle size distribution</b>	No data available	

### 9.2 | Other information

<b>Solid content (%)</b>	No information available
<b>VOC content</b>	No data available

#### 9.2.1. Information with regards to physical hazard classes

Not applicable

#### 9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

### 10.1 | Reactivity

Product cures with moisture

### 10.2 | Chemical stability

#### Stability

Stable under normal conditions

#### Explosion data

#### Sensitivity to mechanical

None

#### Sensitivity to static discharge

None

## SECTION 10: Continued

### 10.3 | Possibility of hazardous reactions

**Possibility of hazardous reactions:**  
None under normal processing

### 10.4 | Conditions to avoid

**Conditions to avoid:**  
Product cure with moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition

### 10.5 | Incompatible materials

**Incompatible materials:**  
Strong oxidising agents

### 10.6 | Hazardous decomposition products

**Hazardous decomposition products:**  
Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

## SECTION 11: Toxicological information

### 11.1 | Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Information on likely routes of exposure**

**Product Information**

**Inhalation:**  
Based on the available data, the classification criteria are not met

**Eye contact:**  
Based on the available data, the classification criteria are not met

**Skin contact:**  
May cause sensitisation in susceptible persons

**Ingestion:**  
Based on the available data, the classification criteria are not met

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms:**  
No information available

**Acute toxicity**

**Numerical measures of toxicity**



SECTION 11: Continued

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Silica, amorphous	= 7900 mg/kg (Rattus)	>5000 mg/kg (Oryctolagus cuniculus)	>2.2 mg/L (Rattus) 1 h
Dodecamethylcyclohexasiloxane [D6]	>50 g/kg (Rattus)	>2000 mg/kg (Rat)	-
Decamethylcyclopentasiloxane [D5]	>24134 mg/kg (Rattus)	16 mL/kg (Oryctolagus cuniculus)	= 8.67 mg/L (Rat) 4 h
Octamethylcyclotetrasiloxane [D4]	LD50 > 4800 mg/kg (Rattus) OECD 401	LD50 > 2400 mg/kg (Rattus) OECD 402	= 36 g/m <sup>3</sup> (Rattus) 4 h
2-octyl-2H-isothiazol-3-one	= 125 mg/kg (Rattus)	= 690 mg/kg (Oryctolagus cuniculus)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met

**2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)**

Method	Species	Exposure route	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal	Corrosive

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met

**Respiratory or skin sensitisation**

No classification is proposed, based on conclusive negative data. OECD Test No 406: Skin Sensitisation. No Sensitisation responses were observed. May cause sensitisation in susceptible persons

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea Pig	Dermal	No Sensitisation responses were observed

**2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)**

Method	Species	Results
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Rabbit / Mouse	Sensitising

**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



**SECTION 11: Continued**

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins

Chemical name	European Union
Octamethylcyclotetrasiloxane	Repr. 2

**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

**11.2 | Information on other hazards**

**Endocrine disrupting properties:**

No information available

**Other adverse effects:**

No information available

**SECTION 12: Ecological information**

**12.1 | Toxicity**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustaceae	M-Factor	M-Factor (long-term)
Silica, amorphous 7631-86-9	EC50: =440mg/L (72h, Pseudokirch neriella subcapitata)	LC50: =5000 mg/L (96h, Brachydaniorerio)	-	EC50: =7600 mg/L (48h, Ceriodaphnia dubia)	-	-
Dodecamethylcyclohe xasiloxane [D6] 540-97-6	-	90 d NOEC ≥14 µg/L, Oncorhynch usmykiss	-	NOEC ≥4.6 µg/L, (21d) OECD 211 Daphnia Magna	-	-
Octamethylcyclotetra siloxane [D4] 556-67-2	-	LC50: >1000mg/L (96h, Lepomismac rochirus) LC50: >500mg/L (96h, Brachydanio rerio)	-	EC50: =25.2 mg/L (24h, Daphnia Magna)	-	10
2-octyl-2H-isothiazol- 3-one [OIT] 26530-20-1	EC50(72h) = 0.084 mg/L (Scenedesmu ssubspicatus) (OECD 201)	LC50 (96h) = 0.036 mg/L (Oncorhyn chusmykiss) (OECD 203)	-	EC50 (48h) =0.42 mg/L (OECD 202)	100	100



**SECTION 12: Continued**

**12.2 | Persistence and degradability**

**Persistence and degradability:**  
No information available

**Silica, amorphous (7631-86-9)**

Method	Exposure time	Value	Results
-	-	-	The methods for determining biodegradability are not applicable to inorganic substances

**Dodecamethylcyclohexasiloxane [D6] (540-97-6)**

OECD Test No. 301B: Ready Biodegradability: CO <sub>2</sub> Evolution Test (TG 301 B)	28 days	4.5%	Not readily biodegradable
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**Dodecamethylcyclohexasiloxane [D6] (540-97-6)**

OECD 310	28 days	0.14%	Not readily biodegradable
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**Octamethylcyclotetrasiloxane [D4] (556-67-2)**

**2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)**

OECD Test No. 309: Aerobic Mineralization in Surface Water -Simulation Biodegradation Test		Half-life 0.6-1.4 d	Readily biodegradable
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**12.3 | Bioaccumulative potential**

**Bioaccumulation**

**Component Information**

Chemical name	Partition coefficient
Dodecamethylcyclohexasiloxane [D6]	8.87
Decamethylcyclopentasiloxane [D5]	8.02
Octamethylcyclotetrasiloxane [D4]	6.49
2-octyl-2H-isothiazol-3-one [OIT]	2.92

**12.4 | Mobility in soil**

**Mobility in soil:**  
No information available





**SECTION 12: Continued**

**12.5 | Results of PBT vPvB assessment**

**PBT and vPvB assessment**

Chemical name	PBT and vPvB assessment
Silica, amorphous	The substance is not PBT / vPvB PBT assessment does not apply
Dodecamethylcyclohexasiloxane [D6]	PBT / vPvB substance
Decamethylcyclopentasiloxane [D5]	PBT / vPvB substance
Octamethylcyclotetrasiloxane [D4]	PBT & vPvB
2-octyl-2H-isothiazol-3-one [OIT]	The substance is not PBT / vPvB

**12.6 | Endocrine disrupting properties**

**Endocrine disrupting properties:**  
No information available

**Component Information**

**Octamethylcyclotetrasiloxane [D4] (556-67-2)**

Method	Results	Species
Endocrine disrupting properties in accordance with the criteria set out Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4)	Negative	-

**12.7 | Other adverse effects**

No information available

**SECTION 13: Disposal considerations**

**13.1 | Waste treatment methods**

**Waste from residues/unused products:**

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Contaminated packaging:**

Handle contaminated packages in the same way as the product itself

**European Waste Catalogue:**

08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances

**Other information:**

Waste codes should be assigned by the user based on the application for which the product was used



**SECTION 14: Transport information**

**Land transport (ADR/RID)**

14.1   UN Number or ID number	Not regulated
14.2   Proper Shipping Name	Not regulated
14.3   Transport hazard class(es)	Not regulated
14.4   Packing Group	Not regulated
14.5   Environmental hazards	Not applicable
14.6   Special Provisions	None

**IMDG**

14.1   UN Number or ID number	Not regulated
14.2   Proper Shipping Name	Not regulated
14.3   Transport hazard class(es)	Not regulated
14.4   Packing Group	Not regulated
14.5   Marine pollutant	NP
14.6   Special Provisions	None
14.7   Maritime transport in bulk according to IMO instruments	Not applicable

**Air transport (ICAO-TI / IATA-DGR)**

14.1   UN Number or ID number	Not regulated
14.2   Proper Shipping Name	Not regulated
14.3   Transport hazard class(es)	Not regulated
14.4   Packing Group	Not regulated
14.5   Environmental hazards	Not applicable
14.6   Special Provisions	None



**SECTION 15: Regulatory Information**

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

**European Union**

**Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)**

**SVHC: Substances of Very High Concern for Authorisation:**

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No
Dodecamethylcyclohexasiloxane [D6]	540-97-6
Decamethylcyclopentasiloxane [D5]	541-02-6
Octamethylcyclotetrasiloxane [D4]	556-67-2

**EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Decamethylcyclopentasiloxane [D5]	541-02-6	70.
Octamethylcyclotetrasiloxane [D4]	556-67-2	70.   75.

**Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**Persistent Organic Pollutants**

Not applicable

**National Regulations**

**15.2 | Chemical safety assessment**

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. Chemical Safety Assessment has been carried out for this mixture

**SECTION 15: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3:**

- H226 - Flammable liquid and vapour
- H301 - Toxic if swallowed
- H311 - Toxic in contact with skin
- H314 - Causes severe skin burns and eye damage
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H330 - Fatal if inhaled
- H361f - Suspected of damaging fertility
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects



## SECTION 16: Continued

**Legend**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemical
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

**Key literature references and sources for data:**

No information available

**Prepared By:** Product Safety & Regulatory Affairs

**Revision date:** 06-August-2023

**Indication of changes**

**Revision note:** Not applicable

**Training Advice:** No information available

**Further information:** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

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**End of Technical Data Sheet**