

# Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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Version 10

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

### 1.1. Product identifier

**Product name** ProSil SF 1202  
**INCI name** Cyclopentasiloxane  
**Pure substance/mixture** Substance

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

**Recommended Use** Cosmetic additive  
**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

#### **ReinhardOil.dk ApS**

Cottagevej 11, 1.  
2900 Hellerup  
Denmark  
☎ +45 70 26 70 07

For further information, please contact

**Contact Point** Regulatory Affairs Department  
**E-mail address** Mail@reinhardoil.dk

### 1.4. Emergency telephone number

**Emergency telephone** +44 1235 239670 (NCEC 24/7) For additional emergency telephone numbers see section 16 of the safety data sheet.

<b>Emergency telephone - §45 - (EC)1272/2008</b>	
<b>Europe</b>	<b>112</b>

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to  
Regulation (EC) No. 1272/2008 [CLP]

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### 2.2. Label elements

Contains Dodecamethylcyclohexasiloxane

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**Signal word**

**Danger\*\*\***

**Hazard statements**

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EUH441 - Strongly accumulates in the environment and living organisms including in humans\*\*\*

**Precautionary Statements - EU (§28, 1272/2008)**

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P273 - Avoid release to the environment

P391 - Collect spillage

P405 - Store locked up

P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable\*\*\*

**2.3. Other hazards**

Combustible liquid.\*\*\*

This substance meets the vPvB criteria of REACH, annex XIII.\*\*\*

**Endocrine Disruptor Information** \*\*\*

This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Chemical name	EC No (EU Index No)	CAS No.	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Decamethylcyclopentasiloxane	208-764-9	541-02-6	01-2119511367-43	No data available	>=95
Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	No data available	No data available	0.1-1
Octamethyltrisiloxane	203-497-4	107-51-7	No data available	Flam. Liq. 3 (H226)	<0.1
Dodecamethylpentasiloxane	205-492-2	141-63-9	No data available	No data available	<0.1
Decamethyltetrasiloxane	205-491-7	141-62-8	No data available	Flam. Liq. 3 (H226)	<0.1
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	No data available	Flam. Liq. 3 (H226) Repr. 2 (H361f) Aquatic Chronic 1 (H410)(M=10)	<0.025

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Remarks
Octamethylcyclotetrasiloxane	-	-	10	-

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

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

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

Chemical name	SVHC candidates
Decamethylcyclopentasiloxane 541-02-6	57d, 57e
Dodecamethylcyclohexasiloxane	57d, 57e

540-97-6	
Octamethyltrisiloxane 107-51-7	57e
Decamethyltetrasiloxane 141-62-8	57e
Octamethylcyclotetrasiloxane 556-67-2	57d, 57e

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

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

<b>Symptoms</b>	None known.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to doctors</b>	Keep victim warm and quiet.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing agent suitable for type of surrounding fire. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

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

<b>Specific hazards arising from the chemical</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapours.
<b>Hazardous combustion products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Silicon dioxide. Formaldehyde.

### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Ensure adequate ventilation.
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**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Should not be released into the environment.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Large, solid pieces can be picked up. Clean contaminated surface thoroughly. Prevent product from entering drains.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See Section 12 for additional Ecological 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. Use personal protection equipment. See section 8 for more information.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from heat.

### 7.3. Specific end use(s)

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** worker.

Derived No Effect Level (DNEL)

Decamethylcyclopentasiloxane (541-02-6)

Type

Systemic health effects, Long term

Exposure route

Inhalation

Derived No Effect Level (DNEL)	97.3 mg/m <sup>3</sup>
Type	Local health effects, Long term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	24.2 mg/m <sup>3</sup>
Dodecamethylcyclohexasiloxane (540-97-6)	
Type	Short term, Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	6.1 mg/m <sup>3</sup>
Type	Long term, Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	1.22 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane (556-67-2)	
Type	Long term, Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	73 mg/m <sup>3</sup>
Type	Long term, Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	73 mg/m <sup>3</sup>
<b>Derived No Effect Level (DNEL) - Consumer</b>	
Derived No Effect Level (DNEL)	
Decamethylcyclopentasiloxane (541-02-6)	
Type	Systemic health effects, Long term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	17.3 mg/m <sup>3</sup>
Type	Local health effects, Long term
Exposure route	Inhalation
Derived No Effect Level (DNEL)	4.3 mg/m <sup>3</sup>
Type	Systemic health effects, Long term
Exposure route	Oral
Derived No Effect Level (DNEL)	5 mg/kg bw/d
Dodecamethylcyclohexasiloxane (540-97-6)	
Type	Short term, Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	1.5 mg/m <sup>3</sup>
Type	Long term, Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	0.3 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane (556-67-2)	
Type	Long term, Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	13 mg/m <sup>3</sup>
Type	Long term, Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	3.7 mg/kg bw/d
Type	Long term, Local health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	13 mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

Predicted No Effect Concentration (PNEC)	
Decamethylcyclopentasiloxane (541-02-6)	
Environmental compartment	Freshwater

Predicted No Effect Concentration (PNEC)	>1.2 µg/l
Environmental compartment Predicted No Effect Concentration (PNEC)	Marine water >0.12 µg/l
Environmental compartment Predicted No Effect Concentration (PNEC)	Freshwater sediment 11 mg/kg dry weight
Environmental compartment Predicted No Effect Concentration (PNEC)	Marine water 1.1 mg/kg dry weight
Environmental compartment Predicted No Effect Concentration (PNEC)	Microorganisms in sewage treatment >10 mg/l
Environmental compartment Predicted No Effect Concentration (PNEC)	Soil 2.54 mg/kg dry weight
Dodecamethylcyclohexasiloxane (540-97-6) Environmental compartment Predicted No Effect Concentration (PNEC)	Freshwater sediment 13.5 mg/kg dry weight
Environmental compartment Predicted No Effect Concentration (PNEC)	Marine sediment 1.35 mg/kg dry weight
Octamethylcyclotetrasiloxane (556-67-2) Environmental compartment Predicted No Effect Concentration (PNEC)	Freshwater 0.0015 mg/l
Environmental compartment Predicted No Effect Concentration (PNEC)	Marine water 0.00015 mg/l
Environmental compartment Predicted No Effect Concentration (PNEC)	Freshwater sediment 3 mg/kg dry weight
Environmental compartment Predicted No Effect Concentration (PNEC)	Marine sediment 0.3 mg/kg dry weight
Environmental compartment Predicted No Effect Concentration (PNEC)	Soil 0.84 mg/kg dry weight

## **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).

**Hand protection** Gloves must conform to standard EN 374.

Duration of contact	PPE - Glove material	Glove thickness	Break through time
Long term (repeated)	Wear protective nitrile rubber gloves	>=0.4 mm	>=480 minutes

<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
<b>Environmental exposure controls</b>	Local authorities should be advised if significant spillages cannot be contained.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid	
<b>Colour</b>	Colourless, transparent	
<b>Odour</b>	odourless.	
<b>Odour threshold</b>	No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Melting point/freezing point</b>	approx. -38 °C	
<b>Boiling point / boiling range</b>	approx. 210 °C	
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability limit:</b>	13.2 %	
<b>Lower flammability limit</b>	0.45 %	
<b>Flash Point</b>	approx. 77 °C	CC (closed cup)
<b>Autoignition Temperature</b>	approx. 400 °C	
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	
<b>pH (as aqueous solution)</b>	No data available	No information available
<b>Kinematic viscosity</b>	No data available	@ 40°C
	approx. 4.0 mm <sup>2</sup> /s	@ 25°C
<b>Dynamic viscosity</b>	No data available	None known
<b>Water solubility</b>	No data available	@ 20°C
<b>Solubility(ies)</b>	Insoluble in water	None known
<b>Partition coefficient</b>	5.2	
<b>Vapour pressure</b>	approx. 1.33 hPa	@ 20°C
<b>Relative Density</b>		@ 25°C
	approx. 0.960 g/cm <sup>3</sup>	
<b>Bulk Density</b>	No data available	
<b>Density</b>	No data available	
<b>Vapour Density</b>	>= 1	
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

### 9.2. Other information

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available < 1

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Reactivity No information available.

**10.2. Chemical stability**

Stability Stable under normal conditions.

**Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

**10.4. Conditions to avoid**

Conditions to avoid Heat.

**10.5. Incompatible materials**

Incompatible materials Incompatible with oxidising agents. Acids. Bases.

**10.6. Hazardous decomposition products**

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Formaldehyde. Silicon dioxide. If this product is heated to > 150 °C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

**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 Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

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

Symptoms No information available.

**Numerical measures of toxicity****Acute toxicity**

Oral LD50 > 5000 mg/kg ( Rat - )

Inhalation LC50 > 5000 mg/m<sup>3</sup> Rat

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Decamethylcyclopentasiloxane	> 5000 mg/kg ( Rat OECD 401)	> 2000 mg/kg ( Rabbit OECD 402)	approx. 8.67 mg/L (Rat 4h OECD 403)
Octamethyltrisiloxane	-	> 2000 mg/kg ( Rat )	> 22.6 mg/L ( Rat ) 4 h
Dodecamethylpentasiloxane	-	> 2000 mg/kg ( Rat )	-
Decamethyltetrasiloxane	-	> 2000 mg/kg ( Rat )	= 5080 mg/m <sup>3</sup> ( Rat ) 6 h

### **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.

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit				non-irritant

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

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit				non-irritant

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Exposure route	Results
OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay	Mouse		Not a skin sensitiser

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Results
OECD 471	in vitro	Not mutagenic
OECD 473	in vitro	Not mutagenic
OECD 476	in vitro	Not mutagenic
OECD 474	in vivo	Not mutagenic
OECD 486	in vivo	Not mutagenic

**Carcinogenicity** Based on available data, the classification criteria are not met.

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Results
OECD Test No. 453: Combined Chronic Toxicity/Carcinogenicity Studies	Rat	Not Carcinogenic

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

Chemical name	European Union
Octamethylcyclotetrasiloxane	Repr. 2

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Results
OECD 416	Rat	Negative
OECD 414	Rat	Negative

**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.

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD 408	Rat	Oral	$\geq 1000$ mg/kg bw/d		NOAEL
OECD 410	Rat	Dermal	$\geq 1600$ mg/kg bw/d		NOAEL
OECD 453	Rat	Inhalation	2420 mg/m <sup>3</sup>		NOAEC
OECD 453	Rat	Inhalation	600 mg/m <sup>3</sup>		NOAEC

**Aspiration hazard** Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 11.2.2. Other information

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Based on available data, the classification criteria are not met.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Decamethylcyclopentasiloxane (541-02-6)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Selenastrum capricornutum	EC50	$> 12$ µg/l	96 hours	
OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Selenastrum capricornutum	NOEC	$\geq 12$ µg/l	96 hours	
OECD Test No. 204: Fish, Prolonged Toxicity Test: 14-Day Study	Oncorhynchus mykiss (rainbow trout)	LC50	$> 16$ µg/l	96 hours	
OECD Test No. 204: Fish, Prolonged Toxicity Test: 14-Day Study	Oncorhynchus mykiss (rainbow trout)	NOEC	$\geq 16$ µg/l	96 hours	
OECD Test No. 210: Fish, Early-Life Stage Toxicity Test	Oncorhynchus mykiss (rainbow trout)	NOEC	$\geq 14$ µg/l	2160 hours	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	EC50	$> 2.9$ µg/l	48 hours	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia magna	NOEC	$\geq 2.9$ µg/l	48 hours	
OECD Test No. 211: Daphnia magna	Daphnia magna	NOEC	$\geq 15$ µg/l	504 hours	

Reproduction Test					
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**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**Product Information**

**Biodegradation** No information available

**BOD** No information available

**ThCO<sub>2</sub>** No information available

**DOC** No information available

Chemical name	Biodegradation
Decamethylcyclopentasiloxane 541-02-6	Biodegradation: 0.14% (28d OECD 310)

**12.3. Bioaccumulative potential**

**Bioaccumulation (factor)** No information available

**Component Information**

Chemical name	Partition coefficient
Decamethylcyclopentasiloxane	8.1
Dodecamethylcyclohexasiloxane	8.87
Octamethyltrisiloxane	6.598
Dodecamethylpentasiloxane	9.411
Decamethyltetrasiloxane	8.21
Octamethylcyclotetrasiloxane	6.488

**12.4. Mobility in soil**

**Mobility in soil** No information available.

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

**PBT and vPvB assessment** This substance is classified as vPvB.

Chemical name	PBT and vPvB assessment
Decamethylcyclopentasiloxane	vPvB substance
Dodecamethylcyclohexasiloxane	vPvB substance
Octamethyltrisiloxane	vPvB substance
Dodecamethylpentasiloxane	The substance is not PBT / vPvB
Decamethyltetrasiloxane	vPvB substance
Octamethylcyclotetrasiloxane	PBT substance

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packaging which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the product itself.

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

## SECTION 14: Transport information

### IATA

14.1 UN number or ID number Not regulated  
 14.2  
 14.3 Transport hazard class(es) Not regulated  
 14.4 Packing group Not regulated  
 14.5 Environmental Hazard Not applicable  
 14.6 Special precautions for user  
 Special Provisions None

### IMDG

14.1 UN number or ID number Not regulated  
 14.2  
 14.3 Transport hazard class(es) Not regulated  
 14.4 Packing group Not regulated  
 14.5 Environmental Hazard Not applicable  
 14.6 Special precautions for user  
 Special Provisions None  
 14.7 Maritime transport in bulk according to IMO instruments No information available

### RID

14.1 UN number or ID number Not regulated  
 14.2  
 14.3 Transport hazard class(es) Not regulated  
 14.4 Packing group Not regulated  
 14.5 Environmental Hazard Not applicable  
 14.6 Special precautions for user  
 Special Provisions None

### ADR

14.1 UN number or ID number Not regulated  
 14.2  
 14.3 Transport hazard class(es) Not regulated  
 14.4 Packing group Not regulated  
 14.5 Environmental Hazard Not applicable  
 14.6 Special precautions for user  
 Special Provisions None

## SECTION 15: Regulatory information

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

#### Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)  
 Storage class 10

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
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Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Octamethylcyclotetrasiloxane	-	-	Fertility Category 2

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorisations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Decamethylcyclopentasiloxane - 541-02-6	Use restricted. See entry 70.	-
Dodecamethylcyclohexasiloxane - 540-97-6	Use restricted. See entry 70.	-
Octamethylcyclotetrasiloxane - 556-67-2	Use restricted. See entry 70. Use restricted. See entry 75.	-

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) Regulation (EU) 2024/590**

Not applicable

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies
<b>NECI</b>	Contact supplier for inventory compliance status

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals  
**NECI** - Taiwan National Existing Chemical Inventory

**15.2. Chemical safety assessment****Chemical Safety Report**

Chemical safety assessments for substances in this mixture were not carried out For this substance a chemical safety assessment has not been carried out

SECTION 16: Other information

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

**Emergency telephone number**

Czech Republic	+420 228 882 830 (NCEC 24/7)
Denmark	+45 8988 2286 (NCEC 24/7)
Finland	+358 9 7479 0199 (NCEC 24/7)
France	+33 1 72 11 00 03 (NCEC 24/7)
Germany	+49 89 220 61012 (NCEC 24/7)
Greece	+30 21 1198 3182 (NCEC 24/7)
Italy	+39 02 3604 2884 (NCEC 24/7)
Netherlands	+31 10 713 8195 (NCEC 24/7)
Norway	+47 2103 4452 (NCEC 24/7)
Poland	+48 22 307 3690 (NCEC 24/7)
Portugal	+351 30880 4750 (NCEC 24/7)
Spain	+34 91 114 2520 (NCEC 24/7)
Sweden	+46 8 566 42573 (NCEC 24/7)
Turkey	+90 212 375 5231 (NCEC 24/7)
Middle East	+973 1619 8321 (NCEC 24/7)
Middle East / Africa	+44 1235 239671 (NCEC 24/7)

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

**Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	On basis of test data
Acute dermal toxicity	On basis of test data
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	On basis of test data
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 19-Aug-2025

**Revision note** See the red text with asterisks in this safety data sheet for the latest changes.

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

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**