

## SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Cyclopentasiloxane

Creation date: 14.04.2025, Revision: 14.04.2025, Version: 1.0

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

**Product name**

Cyclopentasiloxane

**Product code**

[AL00264]

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

**Relevant identified uses**

Raw material for cosmetic products.

**Uses advised against**

No information.

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

**Supplier**

Farmadria DOO  
Heroja Pinkija 44  
26300 Vršac, Serbia  
+381695565029  
info@avenalab.com

#### 1.4 Emergency Telephone Number

**Emergency**

111

**Supplier**

+381695565029

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

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### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP)

H412 Harmful to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with national regulation.

### 2.3 Other hazards

#### PBT/vPvB

No information.

#### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

#### Additional information

No information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

For mixtures see 3.2.

### 3.2 Mixtures

Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substance s
Decamethylcyclopentasiloxane	541-02-6 208-764-9 -	>96	/	/	SVHC
Dodecamethylcyclohexasiloxane	540-97-6 208-762-8 -	<4	/	/	SVHC
Octamethylcyclotetrasiloxane	556-67-2 209-136-7 - 01-2119529238-36	<0.1	Repr. 2; H361f Aquatic Chronic 1; H410; M = 10	/	SVHC

#### Notes for substances

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SVH  
C substance of very high concern

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing with water before removing or use gloves.

##### Following inhalation

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

##### Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. If symptoms develop and persist, seek medical attention.

##### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

##### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician! Show the physician the safety data sheet or label.

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

##### Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

##### Following skin contact

Contact with skin may cause irritation (redness, itching).

##### Following eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

##### Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

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### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

### Unsuitable extinguishing media

Full water jet.

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

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### 5.3 Advice for firefighters

#### Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

#### Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel

##### Protective equipment

No information.

##### Precautionary measures

Ensure adequate ventilation.

##### Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

#### For emergency responders

Use personal protective equipment.

### 6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

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

#### For containment

Stem the spill if this does not pose risks.

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### For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

### Other information

No information.

6.4 Reference to other sections  
See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Protective measures

#### Measures to prevent fire

Ensure adequate ventilation.

#### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

#### Other measures

No information.

#### Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8. Avoid exposure - obtain special instructions before using.

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

#### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

#### Packaging materials

Store only in original container.

#### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

#### Storage temperature

No information.

#### Storage class

No information.

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### Further information on storage conditions

No information.

### 7.3 Specific end use(s)

#### Recommendations

No information.

#### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limit values

No information.

#### Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

Name	Type	Exposure route	exp. frequency	Remark	Value
Decamethylcyclopentasiloxane	Worker	inhalation	long term systemic effects	/	97.3 mg/m <sup>3</sup>
Decamethylcyclopentasiloxane	Worker	inhalation	long term local effects	/	24.2 mg/m <sup>3</sup>
Decamethylcyclopentasiloxane	Consumer	inhalation	long term systemic effects	/	17.3 mg/m <sup>3</sup>
Decamethylcyclopentasiloxane	Consumer	oral	long term systemic effects	/	5 mg/kg bw/day
Decamethylcyclopentasiloxane	Consumer	inhalation	long term local effects	/	4.3 mg/m <sup>3</sup>

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Name	Type	Exposure route	exp. frequency	Remark	Value
Dodecamethylcyclohexasiloxane	Worker	inhalation	long term local effects	/	1.22 mg/m <sup>3</sup>
Dodecamethylcyclohexasiloxane	Worker	inhalation	short term local effects	/	6.1 mg/m <sup>3</sup>
Dodecamethylcyclohexasiloxane	Consumer	inhalation	long term local effects	/	0.3 mg/m <sup>3</sup>
Dodecamethylcyclohexasiloxane	Consumer	inhalation	short term local effects	/	1.5 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane	Consumer	inhalation	long term systemic effects	/	305 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane	Consumer	inhalation	long term local effects	/	61 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane	Consumer	inhalation	short term systemic effects	/	305 mg/m <sup>3</sup>
Octamethylcyclotetrasiloxane	Consumer	inhalation	short term local effects	/	61 mg/m <sup>3</sup>

### PNEC values

#### For product

No information.

#### For components

Name	Exposure route	Remark	Value
Decamethylcyclopentasiloxane	fresh water	/	0.0012 mg/L
Decamethylcyclopentasiloxane	marine water	/	0.00012 mg/L
Decamethylcyclopentasiloxane	fresh water sediment	dry weight	11 mg/kg
Decamethylcyclopentasiloxane	marine water sediment	dry weight	0.11 mg/kg
Decamethylcyclopentasiloxane	soil	dry weight	1.27 mg/kg
Decamethylcyclopentasiloxane	water treatment plant	/	10 mg/L
Decamethylcyclopentasiloxane	food chain	oral	16 mg/kg feed

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Name	Exposure route	Remark	Value
Dodecamethylcyclohexasiloxane	fresh water sediment	dry weight	13.5 mg/kg
Dodecamethylcyclohexasiloxane	marine water sediment	dry weight	1.35 mg/kg
Dodecamethylcyclohexasiloxane	secondary poisoning	food	66.7 mg/kg
Octamethylcyclotetrasiloxane	marine water	/	0.044 µg/L
Octamethylcyclotetrasiloxane	water treatment plant	/	100 mg/L
Octamethylcyclotetrasiloxane	fresh water sediment	dry weight	0.128 mg/kg
Octamethylcyclotetrasiloxane	soil	dry weight	0.16 mg/kg

### 8.2 Exposure controls

#### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### Personal protective equipment

##### Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

##### Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

#### Appropriate materials

##### Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345:2022). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO

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20345:2022+A1:2024).

### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

### Thermal hazards

No information.

### Environmental exposure controls

### Substance/mixture related measures to prevent exposure

No information.

### Instruction measures to prevent exposure

No information.

### Organisational measures to prevent exposure

No information.

### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Important health, safety and environmental information

Physical state	liquid
Shape	No information.
Colour	colourless
Odour	odourless
Odour threshold	No information.
Melting/freezing point	-38 °C
Boiling point or initial boiling point and boiling range	210 °C
Flammability	0.45 — 13.21 °C
Lower and upper explosion limit	No information.
Flash point	82.7 °C
Auto-ignition temperature	372 °C

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Decomposition temperature	No information.
pH	No information.
Viscosity (dynamic)	3.5 mPas
Viscosity (kinematic)	4 mm <sup>2</sup> /s at 25 °C
Solubility (Water)	Insoluble
Partition coefficient n-octanol/water (log value)	at 8.1 °C
Vapour pressure	0.33 hPa at 25 °C
Relative density	0.96 g/cm <sup>3</sup> at 20 °C
Relative vapour density	> 1
Particle characteristics	No information.

### 9.2 Other information

**Information with regard to physical hazard classes**

No information.

**Other safety characteristics**

No information.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

No information.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Incompatible with oxidising agents. Acids. Bases.

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### 10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. 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

#### (a) Acute toxicity

##### For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
Decamethylcyclopentasiloxane	oral	LD <sub>50</sub>	rat	/	> 5000 mg/kg bw	/	/
Dodecamethylcyclohexasiloxane	oral	LD <sub>50</sub>	rat (male)	/	> 4800 mg/kg	/	/
Dodecamethylcyclohexasiloxane	dermal	LD <sub>50</sub>	rabbit (male/female)	/	> 2000 mg/kg	/	/
Octamethylcyclootetrasiloxane	dermal	LD <sub>50</sub>	rat	/	> 2375 mg/kg	/	/
Octamethylcyclootetrasiloxane	oral	LD <sub>50</sub>	rat (male)	/	4800 mg/kg	/	/
Octamethylcyclootetrasiloxane	inhalation (vapours)	LC <sub>50</sub>	rat	/	36 mg/L/4h	/	/

#### Additional information

The product is not classified as acutely toxic.

#### (b) Skin corrosion/irritation

##### For components

Name	Species	Time	result	Method	Remark
Dodecamethylcyclohexasiloxane	/	/	Non-irritant.	/	/

#### Additional information

The product is not classified as irritating to skin and eyes.

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### (c) Serious eye damage/irritation

#### For components

Name	Exposure route	Species	Time	result	Method	Remark
Dodecamethylcyclohexasiloxane	/	/	/	May cause slight temporary eye irritation. Corneal injury is unlikely.	/	/

### (d) Respiratory or skin sensitisation

#### For components

Name	Exposure route	Species	Time	result	Method	Remark
Dodecamethylcyclohexasiloxane	dermal	guinea pig	/	Non sensitising.	/	/

#### Additional information

The product is not classified as sensitising.

### (e) (Germ cell) mutagenicity

#### For components

Name	Type	Species	Time	result	Method	Remark
Dodecamethylcyclohexasiloxane	in-vitro mutagenicity	/	/	Negative.	/	/

### (f) Carcinogenicity

No information.

### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

Suspected of damaging fertility.

### (h) STOT-single exposure

No information.

#### Additional information

STOT SE (single exposure): Not classified.

### (i) STOT-repeated exposure

#### For components

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Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
Dodecamethylcyclohexasiloxane	-	/	animals	/	/	lungs	/	/	/	/

### Additional information

STOT RE (repeated exposure): Not classified.

### (j) Aspiration hazard

No information.

### Additional information

Aspiration hazard: Not classified.

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

No information.

### Interactive effects

No information.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

#### Other information

#### For components

##### Dodecamethylcyclohexasiloxane

Due to the physical state of the material, this component is not expected to be bioavailable under normal handling and processing conditions.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Acute (short-term) toxicity

#### For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Dodecamethylcyclohexasiloxane	ErC50	> 0.002 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Octamethyl cyclotetrasiloxane	LC <sub>50</sub>	> 22 µg/l	96 h	fish	<i>Oncorhynchus mykiss</i>	/	fresh water
Octamethyl cyclotetrasiloxane	EC <sub>50</sub>	> 15 µg/l	48 h	crustacea	<i>Daphnia magna</i>	/	/
Octamethyl cyclotetrasiloxane	ErC <sub>50</sub>	> 22 µg/l	96 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/

### Chronic (long-term) toxicity

#### For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Octamethyl cyclotetrasiloxane	NOEC	≥ 4.4 µg/L	/	fish	<i>Oncorhynchus mykiss</i>	/	/
Octamethyl cyclotetrasiloxane	NOEC	≥ 1.5 µg/L	/	crustacea	<i>Daphnia magna</i>	/	/

### 12.2 Persistence and degradability

#### Abiotic degradation, physical- and photo-chemical elimination

No information.

#### Biodegradation

##### For components

Name	Type	Rate	Time	Evaluation	Method	Remark
Dodecamethyl cyclohexasiloxane	aerobic	4.5 %	28 days	/	OECD 301B	10-day Window: Fail

### 12.3 Bioaccumulative potential

#### Partition coefficient n-octanol/water (log value)

##### For product

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Value	Temperature °C	pH	Concentration	Method
/	8.1	/	/	/

### For components

Name	Value	Temperature °C	pH	Concentration	Method
Dodecamethylcyclohexasiloxane	8.87	/	/	/	/

### Bioconcentration factor (BCF)

#### For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
Dodecamethylcyclohexasiloxane	BCF	/	< 100	/	Low bioaccumulation potential.	/	/

### 12.4 Mobility in soil

#### Known or predicted distribution to environmental compartments

No information.

#### Surface tension

No information.

#### Adsorption/Desorption

##### For components

Name	Type	Criterion	Value	Evaluation	Method	Remark
Dodecamethylcyclohexasiloxane	/	KOC	> 5000	/	/	/

### 12.5 Results of PBT and vPvB assessment

No evaluation.

### 12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

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12.7 Other adverse effects  
 No information.

12.8 Additional information

**For product**

Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment. Do not allow to reach ground water, water courses or sewage system.

**For components**

**Decamethylcyclopentasiloxane**

This substance is considered very persistent or very bioaccumulative (vPvB).

### SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

**Product / Packaging disposal**

**Waste chemical**

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

**Waste codes / waste designations according to LoW**

No information.

**Packaging**

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

**Waste codes / waste designations according to LoW**

No information.

**Waste treatment-relevant information**

No information.

**Sewage disposal-relevant information**

No information.

**Other disposal recommendations**

No information.

### SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			

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ADR/RID	IMDG	IATA	ADN
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
14.2 UN proper shipping name			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Maritime transport in bulk according to IMO instruments			
	Not given/not applicable		

### SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
  - Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

**Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)**  
not applicable

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### Ingredients according to Regulation (EC) No 648/2004 on detergents

No information.

### Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

### Indication of changes

No information.

### Key literature references and sources for data

No information.

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

## SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Cyclopentasiloxane

Creation date: 14.04.2025, Revision: 14.04.2025, Version: 1.0

IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

### List of relevant H phrases

H361f Suspected of damaging fertility.  
H410 Very toxic to aquatic life with long lasting effects.