

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: EmuMaker® Cetyl Dimeticone 10

Creation date: 18.11.2025, Revision: 18.11.2025, Version: 1.0

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

1.1 Product identifier

Product name

EmuMaker® Cetyl Dimeticone 10

Product code

[AL00342]

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

Relevant identified uses

No information.

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

112

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.
 EUH066 Repeated exposure may cause skin dryness or cracking.
 P102 Keep out of reach of children.
 P262 Do not get in eyes, on skin, or on clothing.
 P273 Avoid release to the environment.
 P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
 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 substanc es
Hexadecene	26952-14-7 248-131-4 -	5-10	Asp. Tox. 1; H304 EUH066	/	/
decamethyltetrasiloxane	141-62-8 205-491-7 -	<0.1	Flam. Liq. 3; H226	/	SVHC
octamethyltrisiloxane	107-51-7 203-497-4 - 01-2119970219-31	0.01- 0.1	Flam. Liq. 3; H226	/	SVHC

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substanc es
Dodecamethylcyclohexasiloxane	540-97-6 208-762-8 -	<0.1	/	/	SVHC
decamethylcyclotetrasiloxane	541-02-6 208-764-9 -	<0.1	/	/	SVHC
Dodecamethylpentasiloxane	541-02-6 208-764-9 - 01-2119511367-43	<0.1	/	/	SVHC
octamethylcyclotetrasiloxane	556-67-2 209-136-7 014-018-00-1	0.025- 0.1	Repr. 2; H361f Aquatic Chronic 1; H410; M = 10	/	SVHC

Notes for substances

SVHC	substance of very high concern
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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.

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

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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). Repeated exposure may cause dry skin or cracked skin.

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

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

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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.

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

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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.

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.

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.

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DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	Value
octamethyltrisiloxane	Worker	inhalation	long term systemic effects	/	78 mg/m ³
octamethyltrisiloxane	Worker	dermal	long term systemic effects	/	1103 mg/kg bw/day
octamethyltrisiloxane	Consumer	inhalation	long term systemic effects	/	19 mg/m ³
octamethyltrisiloxane	Consumer	dermal	long term systemic effects	/	556.5 mg/kg bw/day
octamethyltrisiloxane	Consumer	oral	long term systemic effects	/	0.04 mg/kg bw/day
Dodecamethylcyclohexasiloxane	Worker	inhalation	long term local effects	/	1.22 mg/m ³
Dodecamethylcyclohexasiloxane	Worker	inhalation	short term local effects	/	6.1 mg/m ³
Dodecamethylcyclohexasiloxane	Consumer	inhalation	long term local effects	/	0.3 mg/m ³
Dodecamethylcyclohexasiloxane	Consumer	inhalation	short term local effects	/	1.5 mg/m ³
decamethylcyclopentasiloxane	Worker	inhalation	long term systemic effects	/	97.3 mg/m ³
decamethylcyclopentasiloxane	Worker	inhalation	long term local effects	/	24.2 mg/m ³
decamethylcyclopentasiloxane	Consumer	inhalation	long term systemic effects	/	17.3 mg/m ³
decamethylcyclopentasiloxane	Consumer	oral	long term systemic effects	/	5 mg/kg bw/day
decamethylcyclopentasiloxane	Consumer	inhalation	long term local effects	/	4.3 mg/m ³

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Name	Type	Exposure route	exp. frequency	Remark	Value
Dodecamethylpenta siloxane	Worker	inhalation	long term systemic effects	/	97.3 mg/m ³
Dodecamethylpenta siloxane	Worker	inhalation	long term local effects	/	24.2 mg/m ³
Dodecamethylpenta siloxane	Consumer	inhalation	long term systemic effects	/	17.3 mg/m ³
Dodecamethylpenta siloxane	Consumer	oral	long term systemic effects	/	5 mg/kg bw/day
Dodecamethylpenta siloxane	Consumer	inhalation	long term local effects	/	4.3 mg/m ³
octamethylcyclotetra siloxane	Consumer	inhalation	long term systemic effects	/	305 mg/m ³
octamethylcyclotetra siloxane	Consumer	inhalation	long term local effects	/	61 mg/m ³
octamethylcyclotetra siloxane	Consumer	inhalation	short term systemic effects	/	305 mg/m ³
octamethylcyclotetra siloxane	Consumer	inhalation	short term local effects	/	61 mg/m ³

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	Value
Hexadecene	fresh water	/	0.001 mg/L
Hexadecene	water, intermittent release	/	0.001 mg/L
Hexadecene	marine water	/	0.001 mg/L
Hexadecene	fresh water sediment	dry weight	363 mg/kg
Hexadecene	marine water sediment	dry weight	363 mg/kg
Hexadecene	soil	dry weight	72.5 mg/kg

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Name	Exposure route	Remark	Value
octamethyltrisiloxane	marine water sediment	dry weight	0.89 mg/kg
octamethyltrisiloxane	fresh water sediment	dry weight	8.9 mg/kg
octamethyltrisiloxane	soil	dry weight	0.5 mg/kg
octamethyltrisiloxane	water treatment plant	/	1 mg/L
octamethyltrisiloxane	food chain	oral	1.7 mg/kg
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
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
Dodecamethylpentasiloxane	fresh water	/	0.0012 mg/L
Dodecamethylpentasiloxane	marine water	/	0.00012 mg/L
Dodecamethylpentasiloxane	fresh water sediment	dry weight	11 mg/kg
Dodecamethylpentasiloxane	marine water sediment	dry weight	0.11 mg/kg
Dodecamethylpentasiloxane	soil	dry weight	1.27 mg/kg
Dodecamethylpentasiloxane	water treatment plant	/	10 mg/L
Dodecamethylpentasiloxane	food chain	oral	16 mg/kg feed

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Name	Exposure route	Remark	Value
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/A1:2025).

Hand protection

Protective gloves (EN ISO 374). 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 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).

Thermal hazards

No information.

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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 yellow
Odour	characteristic
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	> 105 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	No information.
Viscosity (dynamic)	1500 mPas
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.

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Vapour pressure	No information.
Relative density	0.93 g/cm ³
Relative vapour/gas density	No information.
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

No information.

10.5 Incompatible materials

No information.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION

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

(a) Acute toxicity

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For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
octamethyltrisiloxane	dermal	LD ₅₀	rat (male/female)	/	> 2000 mg/kg	/	/
octamethyltrisiloxane	inhalation (vapours)	LC ₅₀	rat (female)	4 h	> 22.6 mg/l	/	/
Dodecamethylcyclohexasiloxane	oral	LD ₅₀	rat (male)	/	> 4800 mg/kg	/	/
Dodecamethylcyclohexasiloxane	dermal	LD ₅₀	rabbit (male/female)	/	> 2000 mg/kg	/	/
decamethylcyclopentasiloxane	oral	LD ₅₀	rat	/	> 5000 mg/kg bw	/	/
Dodecamethylpentasiloxane	oral	LD ₅₀	rat	/	> 5000 mg/kg bw	/	/
octamethylcyclo tetrasiloxane	dermal	LD ₅₀	rat	/	> 2375 mg/kg	/	/
octamethylcyclo tetrasiloxane	oral	LD ₅₀	rat (male)	/	4800 mg/kg	/	/
octamethylcyclo tetrasiloxane	inhalation (vapours)	LC ₅₀	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
Hexadecene	/	/	Repeated exposure may cause skin dryness or cracking.	/	/
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
octamethyltrisiloxane	dermal	/	/	Non-sensitizing. (guinea pig)	/	/
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
octamethyltrisiloxane	/	/	/	/	/	In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.
Dodecamethylcyclohexasiloxane	in-vitro mutagenicity	/	/	Negative.	/	/

(f) Carcinogenicity

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Name	Exposure route	Type	Species	Time	Value	result	Method	Remark
octamethyltrisiloxane	/	/	/	/	/	Animal testing did not show any carcinogenic effects.	/	/

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	Value	result	Method	Remark
octamethyltrisiloxane	/	/	/	/	/	Did not cause birth defects or any other effect on the fetus in laboratory animals.	/	/
octamethyltrisiloxane	/	/	/	/	/	The results of animal studies gave no indication of a fertility impairing effect.	/	/

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
octamethyltrisiloxane	inhalation	-	/	/	/	liver	/	Protoporphyrin accumulation in the liver.	/	The observed effects do not appear to be relevant for humans.

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

Additional information

Repeated exposure may cause skin dryness or cracking. STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

For components

Name	result	Method	Remark
Hexadecene	May be fatal if swallowed and enters airways.	/	/

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

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
decamethyltetrasiloxane	LD ₅₀	57.1 mg/L	96 h	fish	<i>Danio rerio</i>	/	/
octamethyltrisiloxane	LC ₅₀	> 0.0191 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	OECD 203	No toxicity at the limit of solubility; flow-through
octamethyltrisiloxane	EC ₅₀	> 0.02 mg/L	48 h	crustacea	<i>Daphnia magna</i>	OECD 202	No toxicity at the limit of solubility; flow-through
octamethyltrisiloxane	EC ₅₀	> 0.0094 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	OECD 201	No toxicity at the limit of solubility; static system; growth rate
octamethyltrisiloxane	EC ₅₀	> 100 mg/L	3 h	bacteria	Activated sludge	OECD 209	/
Dodecamethylcyclotetrasiloxane	ErC ₅₀	> 0.002 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
octamethylcyclotetrasiloxane	LC ₅₀	> 22 µg/l	96 h	fish	<i>Oncorhynchus mykiss</i>	/	fresh water
octamethylcyclotetrasiloxane	EC ₅₀	> 15 µg/l	48 h	crustacea	<i>Daphnia magna</i>	/	/
octamethylcyclotetrasiloxane	ErC ₅₀	> 22 µg/l	96 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/

Chronic (long-term) toxicity

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
octamethyl trisiloxane	NOEC	> 0.027 mg/l	90 days	fish	<i>Oncorhynchus mykiss</i>	/	No toxicity at the limit of solubility.
octamethyl trisiloxane	NOEC	> 0.015 mg/l	21 days	crustacea	<i>Daphnia magna</i>	/	No toxicity at the limit of solubility; flow-through
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
octamethyltrisiloxane	aerobic	0 %	28 days	Non-biodegradable.	OECD 310	/
Dodecamethylcyclohexasiloxane	aerobic	4.5 %	28 days	/	OECD 301B	10-day Window: Fail

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

For components

Name	Value	Temperature °C	pH	Concentration	Method
octamethyltrisiloxane	5.35	/	/	/	Estimated value

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

Bioconcentration factor (BCF)

For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
octamethyltrisiloxane	BCF	<i>Pimephales promelas</i>	≥ 500	/	High potential for bioaccumulation.	OECD 305	/
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
octamethyltrisiloxane	Soil	/	3179	slightly mobile in soil	/	Koc, estimation
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

octamethyltrisiloxane

This substance is not included in the list attached to the Montreal Protocol on Substances that Deplete the Ozone Layer. This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

decamethylcyclopentasiloxane

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

Dodecamethylpentasiloxane

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.

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SECTION 14: TRANSPORT INFORMATION

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

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- 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

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

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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
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

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H361f Suspected of damaging fertility.
H410 Very toxic to aquatic life with long lasting effects.

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EUH066 Repeated exposure may cause skin dryness or cracking.

