



Allergens Declaration **CYCLOMETHICONE**

The allergens listed in the table below are not present in the above mentioned product.

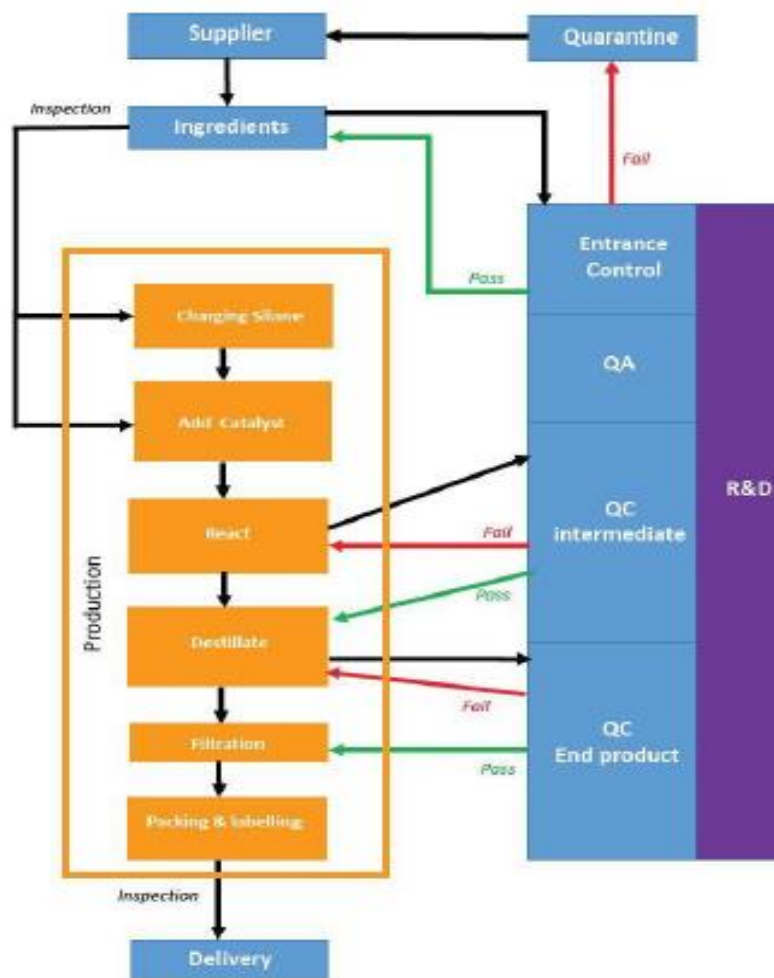
Fragrance / flavour allergens	CAS No.
Amyl Cinnamal	122-40-7
Amylcinnamyl Alcohol	101-85-9
Anise Alcohol	105-13-5
Benzyl Alcohol	100-51-6
Benzyl Benzoate	120-51-4
Benzyl Cinnamate	103-41-3
Benzyl Salicylate	118-58-1
Cinnamal	104-55-2
Cinnamyl Alcohol	104-54-1
Citral	5392-40-5
Citronellol	106-22-9
Coumarin	91-64-5
Eugenol	97-53-0
Farnesol	4602-84-0
Geraniol	106-24-1
Hexyl Cinnamal	101-86-0
Hydroxycitronellal	107-75-5
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4
Isoeugenol	97-54-1
Linalool	78-70-6
Methyl 2-Octynoate	111-12-6
Butylphenyl Methylpropional	80-54-6
Alpha-Isomethyl Ionone	127-51-5
Evernia Prunastri	90028-68-5
Evernia Furfuracea	90028-67-4
Limonene	5989-27-5

ALBA Allergens
Wheat
Rye
Barley
Oats
Spelt
Kamut
Gluten
Crustaceans
Egg
Fish
Peanuts
Soy
Cow's milk
Almonds
Hazelnuts
Walnuts
Cashews
Pecan nuts
Brazil nuts
Pistachio nuts
Macadamia / Queensland nuts
Nuts
Celery
Mustard
Sesame
Sulphur dioxide and sulphites (E220- E228) at concentrations of more than 10 mg/kg or 10 mg/l , expressed as SO ₂
Lupin
Molluscs

14.03.23



Flow Chart CYCLOMETHICONE



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GMO Free
Declaration
CYCLOMETHICONE

— To whom it may concern,

We hereby declare that the above-mentioned product does not contain any genetically modified materials.

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SAFETY DATA SHEET CYCLOMETHICONE

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

1.1. Product identifier

Product name	CYCLOMETHICONE
EU REACH registration number	01-2119511367-43-XXXX
CAS number	541-02-6
EC number	208-764-9

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

Identified uses	Cosmetic additive, solvent Home care Personal care Cleaning agent Chemical intermediate Laboratory chemicals Additives for pigment/paint/ink
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1.3. Details of the supplier of the safety data sheet

Supplier	7] a] al S eřkaž 8ck ah[UW\$+)) %& 18ck ah[UW Wab2 Wa] al SU L&S" (" ')) +++%
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1.4. Emergency telephone number

Emergency telephone	Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/ denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)
National emergency telephone number	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

EC number	208-764-9
Hazard statements	NC Not Classified

2.3. Other hazards

Other Hazards	Combustible liquid
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SECTION 3: Composition/information on ingredients

3.1. Substances

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CYCLOMETHICONE

Chemical nature

3.2. Mixtures

Decamethylcyclopentasiloxane		>=95%
CAS number: 541-02-6	EC number: 208-764-9	
Classification Not Classified		
Dodecamethylcyclohexasiloxane		0.1 - 1.0%
CAS number: 540-97-6		
Classification Not Classified		
Octamethylcyclotetrasiloxane		<0.1%
CAS number: 556-67-2	EC number: 209-136-7	
Classification Flam. Liq. 3 - H226 Repr. 2 - H361f Aquatic Chronic 4 - H413		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)
SVHC candidate chemical names: Decamethylcyclopentasiloxane, Dodecamethylcyclohexasiloxane and Octamethylcyclotetrasiloxane

EINECS number

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	No hazards which require special first aid measures
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a physician if symptoms develop or persist
Ingestion	Get medical attention if a large quantity has been ingested.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.

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

General information None known.

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

Notes for the doctor None known.

Specific treatments — Ekokoza s.r.o.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

General information	The product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray, fog or mist.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards	In case of fire, toxic gases may be formed.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x). Formaldehyde Silicon dioxide.

5.3. Advice for firefighters

Protective actions during firefighting	Move containers from fire area if it can be done without risk.
Special protective equipment for firefighters	Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary and unprotected personnel away from the spillage. Local authorities should be advised if significant spillages cannot be contained
For emergency responders	Wear appropriate personal protective equipment. Avoid handling which leads to dust formation. Protect against water Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Prevent further leakage or spillage if safe to do so. Residues: Soak up with inert absorbent material
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling.
Advice on general occupational hygiene	No specific requirements are anticipated under normal conditions of use.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Avoid contact with oxidising agents. Acids. Alkalis.
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7.3. Specific end use(s)

Specific end use(s)	If you require advice on specific uses, please contact your supplier.
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SECTION 8: Exposure controls/Personal protection

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8.1. Control parameters

Occupational exposure limits

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

DNEL

Derived No Effect Level (DNEL) - Worker
Decamethylcyclopentasiloxane (541-02-6)
Type Systemic health effects, Long term
Exposure route Inhalation
Derived No Effect Level (DNEL) 97.3 mg/m³
Type Local health effects, Long term
Exposure route Inhalation
Derived No Effect Level (DNEL) 24.2 mg/m³
Derived No Effect Level (DNEL) - Consumer
Decamethylcyclopentasiloxane (541-02-6)
Type Systemic health effects, Long term
Exposure route Inhalation
Derived No Effect Level (DNEL) 17.3 mg/m³
Type Local health effects, Long term
Exposure route Inhalation
Derived No Effect Level (DNEL) 4.3 mg/m³
Type Systemic health effects, Long term
Exposure route Oral
Derived No Effect Level (DNEL) 5 mg/kg bw/d

PNEC

Decamethylcyclopentasiloxane (541-02-6)
Environmental compartment Freshwater
Predicted No Effect Concentration (PNEC) >1.2 µg/l
Environmental compartment Marine water
Predicted No Effect Concentration (PNEC) >0.12 µg/l
Environmental compartment Freshwater sediment
Predicted No Effect Concentration (PNEC) 11 mg/kg dry weight
Environmental compartment Marine water
Predicted No Effect Concentration (PNEC) 1.1 mg/kg dry weight
Environmental compartment Microorganisms in sewage treatment
Predicted No Effect Concentration (PNEC) >10 mg/l
Environmental compartment Soil
Predicted No Effect Concentration (PNEC) 2.54 mg/kg dry weight

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

Protective Measures

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Odourless.
Melting point	-38°C
Initial boiling point and range	>210°C
Flash point	77°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.52 in air Upper flammable/explosive limit: 7.00 in air
Vapour pressure	approx. 1.33 hPa @ 20°C
Vapour density	>1
Relative density	approx. 0.960 g/cm ³ @ 20°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Decamethylcyclopentasiloxane 5 octamethylcyclotetrasiloxane 5.1
Auto-ignition temperature	~400°C
Relative molecular mass	
Surface Tension	

9.2. Other information

Critical pressure

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See section 10.2-10.6

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Combustion may result in the formation of : Oxides of carbon, ammonia, Oxides of nitrogen (NO_x) When heated above 150°C, small amounts of formaldehyde can be produced. Provide adequate ventilation.

SECTION 11: Toxicologic

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11.1. Information on toxicological effects

Toxicological effects No information available.

Acute toxicity - oral

Summary > 5000 mg/kg (Rat - OECD 401)

Acute toxicity - dermal

Summary > 2000 mg/kg (Rabbit OECD 402)

Acute toxicity - inhalation

Summary > 5000 mg/m3 (Rat OECD 403)

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not believed to present a hazard due to its physical nature.

Chronic aquatic toxicity

Long Term Effects octamethylcyclotetrasiloxane, Algae/aquatic plants: EC50: > 0.022 mg/l (Selenastrum capricornutum 96h), Fish: LC50: >= 0.022 mg/l (Oncorhynchus mykiss 96h; NOEC: >= 0.0044 mg/l (Oncorhynchus mykiss, 2232h), Crustacea: EC50: > 0.015 mg/l (Daphnia magna 48h); NOEC: approx. 0.0079 mg/l (Daphnia magna 504h)

12.2. Persistence and degradability

Biodegradation octamethylcyclotetrasiloxane 556-67-2 Biodegradation: 3.7% (29d)

12.3. Bioaccumulative potential

Partition coefficient Decamethylcyclopentasiloxane 5
octamethylcyclotetrasiloxane 5.1

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

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Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

According to the data the product is not harmful within the meaning of the mentioned directives

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Tony Sinnott

Date: 29/03/2017

Revision date 14/03/2023

Revision 5

Supersedes date 13/12/2022

SDS number 4818

SDS status Approved.

Hazard statements in full
H226 Flammable liquid and vapour.
H361f Suspected of damaging fertility.
H413 May cause long lasting harmful effects to aquatic life.

Other information

Exposure Scenario

Use for pulp and paper
bleaching

Use as an intermediate

Repackaging

Manufacture of pyrotechnic
products

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This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date of compilation. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use and to carry out his own COSHH assessment.

No warranty, guarantee or representation is made as to its accuracy, reliability or completeness nor to the suitability, properties, condition or otherwise of the product.

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Specification CYCLOMETHICONE

Sales Specifications

DESCRIPTION	RESULTS	UNITS	SPECIFICATION LIMITS	
			LOW	HIGH
Appearance		Visual		
Crystal clear fluid				
Free from suspended matter				
D4/cyclotetrasiloxane		% area	0.00	0.10
GC				
D5/cyclopentasiloxane		% area	99.00	100.00
GC				
D6/cyclohexasiloxane		% area	0.00	0.10
GC				
Density at 25 °C		g/cm ³		
0.950 - 0.960				
Viscosity at 25°C		mm ² /s		
3.50 - 4.50				

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Vegan Declaration **CYCLOMETHICONE**

To whom it may concern,

We hereby declare that the above-mentioned product is vegan based on the definition:

- (1) That does not have in its composition any animal ingredient, including: any of the meat products such as beef, pork, sheep, fish, marine animals, birds and all other animal species; substances derived from parts of animals or their secretions; milk, cheese or any other dairy products; substances derived from dairy products; eggs; substances derived from eggs; honey; substances derived from honey or bees or any other insect; carmine (derived from cochineal beetle); animal-derived casein; animal-derived glycerine; lactose; animal leather or other animal skins or their parts; collagen; silk; bones; cartilages; animal-derived clarifiers; or any other dye, stabilizer, food preservative, emulsifier, sweetener or other ingredients that are derived from animals, vertebrate or invertebrate;
- (2) During whose development no animal, vertebrate or invertebrate, was used in toxicity tests or any other tests or experimentation;
- (3) During whose manufacturing process no ingredient, product or by-product that is animal-derived was used, even if being absent in the finalized product;
- (4) That can be assured not to have used animals (vertebrates or invertebrates) during the development of ingredients and substances that are present in the composition and/or manufacturing process of the product.

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