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MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH) as amended by Regulation (EC) No 2020/878 and Regulation 1272/2008

Organic Mandarin Oil

Version 02 | Date of creation: 15.07.2020
Supersedes the version from: 15.07.2020 | Date of new version: 13.06.2025

1. Identification of the substance/mixture and the company/undertaking

1.1. Product Identifiers

Product name	:	Organic Mandarin Oil
Substance name (INCI)	:	CITRUS RETICULATA PEEL OIL
REACH Registration No	:	-
CAS No	:	8008-31-9 / 84929-38-4
EO No	:	- / 284-521-0
ISO	:	ISO 3528:1997
Biological origin	:	Manufactured from mandarin fruit peel by pressing without heating.

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

Use of substance/mixture	:	Used in perfumery and cosmetics by itself or as a formulation constituent, a part of composition.
Recommended restrictions on use	:	Avoid contact with eyes!
Reason not to recommend use	:	Causes irritation.

1.3. Details of the supplier of the safety data sheet

Manufacturer : ALTEYA ORGANICS LLC
Mailing address/Postal code : **6167,** village of Yagoda, 1, Rozovarna St.
Country identifier/
Postal code/city or town : Bulgaria
Telephone/Mobile/Fax : +359 700 15 502
E-mail of the competent person responsible for the Safety Data Sheet : salesbg@alteya.com
National contact person : Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov
Emergency telephone number: 02 9154409; (regular working time, Saturdays and Sundays excluded) or 02 9154 346 (24h service, all week)
e-mail: poison_centre@mail.orbitel.bg
http//www.pirogov.net

2. Hazards Identification

2.1. Classification of the substance or mixture

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

Classification according GHS				
Chapter	**Subsection**	**Class of hazard**	**Class of hazard and category of hazard**	**Hazard statements**
2.6	Flam.	Flammable liquids	(Flam. Liq. 3)	H226
3.10	Inh.	Inhalation hazard	(Asp Tox 1)	H304
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.4	Sens.	Skin sensitization	(Skin sens 1)	H317
4.1	Acute	Hazardous for aquatic environment	Aquatic Acute 1	H400
4.3	Chronic	Hazardous for aquatic environment	Aquatic Chronic 3	H412

2.1.2. Additional information:

For full text of hazard statements and EC specific hazard statements: see SECTION 16.

2.2. Label Elements

Designation according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

GHS02 GHS07 GHS08 GHS09

Signal word : Hazardous

Contains : (R)-p-mentha-1,8-diene, myrcene, alpha-Pinene, Linalool

Hazard statements :
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters respiratory tract.
H315 Causes skin irritation
H317 May cause allergic skin reaction

Hazard statements concerning environment
H410 Very toxic for aquatic life with long-lasting effect

Safety recommendations

- General Safety recommendations
  P102 Keep out of reach of children
- Prevention
  P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  P273 Avoid release to the environment.
  P280 Use protective gloves/protective clothing/protectiv goggles /protective facial mask.
  P331 Do not induce vomiting.

Safety recommendations

- As a reaction	P301+P310	IF SWALLOWED: Immediately call TOXICOLOGY CENTRE or a physician.
	P303+P361+ P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Flush skin with water/take a shower.
	P370+378	To extinguish a fire use CO^2 foam, dry chemical.
- If stored:	P403+P235	Store in a well-ventilated place. Keep cool.

Safety recommendations

- At disposal :	P501	Dispose of contents/container in an approved place and in compliance with the local and national regulations.

Other hazards

Other hazards

PBT/vPvB No information available.

Endocrine Disrupting Properties

The product does not contain substances with endocrine disrupting potential.

Additional information:

No information available.

3. Composition/information on ingredients

3.1. Substances/ Mixture - *Monoterpene hydrocarbons are the main ones.*

INGRIDIENT	***IDENTIFIERS***	***%***	***CLASSIFICATION***
CITRUS RETICULATA PEEL OIL	*EINECS NO: - / 284-521-0* *CAS NO: 8008-31-9 / 84929-38-4*	*100,0*	*Flam. Liq. 3 - H226* *Asp. Tox. 1 – H304* *Skin Irrit. 2 – H315* *Skin Sens. 1 – H317* *Eye Irrit. 2B - H320* *Aquatic Acute 1 – H400* *Aquatic Chronic 3 – H412*
LIMONENE	*EINECS NO: 227-813-5* *CAS NO: 5989-27-5*	*80,0 – 90,0*	*Flam. Liq. 3; H226* *Asp. Tox. 1; H304* *Skin Irrit. 2; H315* *Skin Sens. 1B; H317* *Aquatic Acute 1; H400; M = 1* *Aquatic Chronic 3; H412*
7-METHYL-3-METHYLENE-1,6-OCTADIENE (=MYRCENE)	*123-35-3* *204-622-5* *-* *01-2119514321-56*	*1-2.5*	*Flam. Liq. 3; H226* *Asp. Tox. 1; H304* *Skin Irrit. 2; H315* *Eye Irrit. 2; H319* *Aquatic Acute 1; H400; M = 1* *Aquatic Chronic 2; H411*

SABINENE	*3387-41-5* *-* *-*	*0.1-1*	*Flam. Liq. 3; H226* *Acute Tox. 4; H302* *Skin Irrit. 2; H315* *Eye Irrit. 2; H319* *STOT SE 3; H335*
ALPHA-PINENE	*80-56-8* *201-291-9* *-*	*0.1-1*	*Flam. Liq. 3; H226* *Acute Tox. 4; H302* *Asp. Tox. 1; H304* *Skin Irrit. 2; H315* *Skin Sens. 1; H317* *Aquatic Acute 1; H400; M = 1* *Aquatic Chronic 1; H410; M = 1*
DECANAL	*112-31-2* *203-957-4* *-*	*0.1-1*	*Eye Irrit. 2; H319* *Aquatic Chronic 3; H412*
LINALOOL	*78-70-6* *201-134-4* *603-235-00-2*	*0.1-1*	*Skin Sens. 1B; H317*
OCTANAL	*124-13-0* *204-683-8* *-*	*0.1-1*	*Flam. Liq. 3; H226* *Skin Irrit. 2; H315* *Eye Irrit. 2; H319* *Aquatic Chronic 3; H412*
α-SINENSAL	*17909-77-2* *-* *-*	*0.1-1*	*Acute Tox. 4; H302* *Skin Irrit. 2; H315* *Eye Irrit. 2; H319* *STOT SE 3; H335*
TERPINOLENE	*586-62-9* *209-578-0* *-*	*0.1-1*	*Asp. Tox. 1; H304* *Skin Sens. 1B; H317* *Aquatic Acute 1; H400; M = 1* *Aquatic Chronic 1; H410; M = 1*
DELTA 3 CARENE	*13466-78-9* *236-719-3* *-*	*0.01-0.1*	*Flam. Liq. 3; H226* *Asp. Tox. 1; H304* *Skin Irrit. 2; H315* *Skin Sens. 1B; H317*
ALPHA-PHELLANDRENE	*99-83-2* *202-792-5* *-* *01-2120768949-27*	*0.01-0.1*	*Flam. Liq. 3; H226* *Asp. Tox. 1; H304*
GAMMA-TERPINENE	*99-85-4* *202-794-6* *-*	*0.01-0.1*	*Flam. Liq. 3; H226* *Repr. 2; H361* *Aquatic Chronic 2; H411*

Substance name	Identifiers	Specific limit concentrations	M-Factors	ATE	Exposure route
DL-α-pinene	CAS No. 80-56-8 EO No. 201-291-9	-	-	1.000 mg/kg	oral
Sabinen	CAS No. 3387-41-5 EO No. 222-212-4			301 mg/kg	

4. First Aid Measures

4.1. Description of first aid measures

- General notes : Remove contaminated clothing

- Following inhalation : Provide fresh air. In all cases of or in the presence of symptoms, seek medical attention.

- Following skin contact : Flush skin with water/take a shower. After skin contact, wash immediately with plenty of water. In case of skin reactions, seek medical attention. Seek medical attention in case of skin irritation.

- Following eye contact : Rinse thoroughly with water for several minutes. In case of doubt or symptoms, seek medical attention.

- Following ingestion : Call a doctor immediately. In case of vomiting, be aware of the risk of inhalation.

- Self-protection of first aid provider : No data available

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

Note : Aspiration hazard, Irritation, Allergic reactions

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

Treatment : There isn't a specific antidote.
Treat symptomatically.

5. Fire-fighting Measures

5.1. Extinguishing media

Suitable extinguishing media	:	Coordinate fire-fighting measures with the surrounding area! water sparge, dry extinguishing powder, BC-powder, carbon dioxide (CO_2).
Unsuitable extinguishing media	:	Full water jet

5.2. Special hazards arising from the substance or mixture

Note	:	Combustible. May form flammable or explosive vapour-air mixture if insufficiently ventilated and/or used. Solvent vapors are heavier than air and can spread on floors. Places that are not ventilated, for example stuffy areas below ground level such as trenches, tunnels and shafts, are particularly susceptible to the presence of flammable substances or mixtures. Vapours can form explosive mixtures with air.
Hazardous combustion products	:	Carbon monoxide (CO), Carbon dioxide(CO_2), Burning may produce toxic gases containing carbon monoxide.

5.3. Advice for firefighters:

Special protective equipment for firefighters	:	Do not inhale smoke in case of fire and/or explosion. Do not allow extinguishing water to enter drains or water sources. Extinguish the fire with the usual precautions from a reasonable distance. Wear a self-contained breathing apparatus.
Additional information	:	Contaminated firefighting water and fire residues must be disposed of in accordance with local regulations.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Personal precautionary measures, protective equipment and emergency procedures	:	Avoid contact with eyes, skin and clothing. Do not inhale the vapor/aerosol. Avoid ignition sources.

6.1.2. For the persons responsible for emergencies

Wear personal protective equipment. Provide adequate ventilation. Unprotected persons are not admitted.
Avoid contact with skin, eyes and clothing.
Avoid inhaling evaporations. Keep away ignition sources.

6.2. Environmental precautions

Environmental precautions	:	Prevent contamination of drains, surface and groundwater. Save the contaminated rinse water and discard it. If the substance has entered water sources or the sewer system, inform the responsible authorities.

6.3. Methods and materials for containment and cleaning up

6.3.1.	For containment	:	Covering drains.
6.3.2.	For cleanup	:	Absorb mechanically with absorbent material (sand, diatomaceous earth, acid binder or universal binder).
6.3.3.	Other information	:	Place in appropriate containers for disposal. Ventilate the affected area.

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6.4. Reference to other sections

Hazardous combustion products: see Section 5. Personal protective equipment: see Section 8.
Incompatible materials: see Section 10. Waste disposal: see Section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Provide adequate ventilation.

Fire-fighting measures, as well as measures to prevent the formation of aerosols and dust

Store away from sources of ignition - no smoking. Take precautions against static electricity discharge.

Measures to avoid transformation into aerosols and powder	:	Provide adequate ventilation in the operation area.
Environmental precautionary: measures		Avoid release into the environment.
Advice on general occupational hygiene	:	Wash your hands before breaks and at the end of the working day. Keep away from drinks and food for humans and animals. Do not smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Store the container tightly closed.
Incompatible substances or mixtures	:	Follow the instructions for combined storage. Incompatible materials: see Section 10. Keep away from oxidizing substanc.
Packing materials	:	Metal containers, that should be full and with lacquer coating inside. If you transfer the product it should be packed in material identical to the original. Keep containers tightly closed in a dry and well ventilated place.
Requirements to storage areas or containers	:	Keep in a dark, cool and aerated place in closed containers. Storage at: 15≤ 25°C.
Storage class	:	No information
Recommendations for fire and explosions protection	:	Earthing/equipotential bonding of container and receiving device. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Never inhale this substance. Use the mixture in rooms without open flames or other sources of ignition and ensure that electrical equipment is adequately protected. Keep containers tightly

closed and away from sources of heat, sparks and open flames. Do not use tools that can cause sparks. Do not smoke. Prevent access by unauthorized personnel.

Recommendations for primary storage : **It is recommended to follow the requirements concerning packing and storage according to БДС ISO 210:2023.**

7.3. Specific end use(s)

Recommendations : Read the label before use.

Solutions specific to the industry sector : No data available.

Specific use(s) : Used in perfumery and cosmetics by itself or as a formulation constituent, a part of composition.

Additional information : Observe the regulations depending on the intended use:
• The cosmetics product regulations if advertised as cosmetics (for instance perfume, highly diluted essential oils for use on the body as massage oils or bath supplements).

8. Exposure controls/Personal protection equipment

8.1. Control parameters

National limit values

Occupational exposure limit values (Workplace exposure limits)

This information is not available.

Relevant DNEL and other threshold levels

End point	Threshold level	Protection purpose, exposure route	Used in	Exposure time
DNEL	23,3 mg/m³	human, inhalation	industrial worker	chronic - systemic effects
DNEL	6,67 мg/kg body weight /day	human, dermal	industrial worker	chronic - systemic effects
DNEL	185,8 µg/cm²	human, dermal	industrial worker	acute-local effects

Relevant DNEL-components						
Substance name	**CAS No.**	**End point**	**Threshold level**	**Protection purpose, exposure route**	**Used in**	**Exposure time**
D-(+)-limonene	5989-27-5	DNEL	66,7 mg/m³	human, inhalation	industrial worker	chronic - systemic effects
D-(+)-limonene	5989-27-5	DNEL	9,5 mg/kg body weight /day	human, dermal	industrial worker	chronic - systemic effects
γ-terpinene	99-85-4	DNEL	2,939 mg/m³	human, inhalation	industrial worker	chronic - systemic effects
γ-terpinene	99-85-4	DNEL	0,833 Mg/kg body weight /day	human, dermal	industrial worker	chronic - systemic effects
DL-α-pinene	80-56-8	DNEL	3,8 mg/m³	human, inhalation	industrial worker	chronic - systemic effects
DL-α-pinene	80-56-8	DNEL	0,542 mg/kg body weight /day	human, dermal	industrial worker	chronic - systemic effects
ß-pinene	127-91-3	DNEL	5,69 mg/m³	human, inhalation	industrial worker	chronic - systemic effects
ß-pinene	127-91-3	DNEL	0,8 mg/kg body weight /day	human, dermal	industrial worker	chronic - systemic effects
ß-pinene	127-91-3	DNEL	54 µg/cm²	human, dermal	industrial worker	chronic - local effects
Linalool	78-70-6	DNEL	2,8 mg/m³	human, inhalation	industrial worker	chronic - systemic effects
Linalool	78-70-6	DNEL	16,5 mg/m³	human, inhalation	industrial worker	acute- systemic effects
Linalool	78-70-6	DNEL	2,5 mg/kg body weight /day	human, dermal	industrial worker	chronic - systemic effects
Linalool	78-70-6	DNEL	5 mg/kg-body weight /day	human, dermal	industrial worker	acute- systemic effects

Environmental values

Relevant PNEC and other threshold levels				
End point	**Threshold level**	**Organism**	**Environmental component**	**Exposure time**
PNEC	5,4 µg/l	aquatic organisms	fresh water	short-term (instant)
PNEC	0,54 µg/l	aquatic organisms	marine water	short-term (instant)
PNEC	2,1 mg/l	aquatic organisms	treatment plant (STP)	short-term (instant)

PNEC	1,3 mg/kg	aquatic organisms	sediments fresh water	short-term (instant)
PNEC	0,13 mg/kg	aquatic organisms	marine sediments	short-term (instant)
PNEC	0,29 mg/kg	terrestrial organisms	soil	short-term (instant)

Relevant PNEC-components

Substance name	CAS No.	End point	Threshold level	Organism	Environmental component	Exposure time
D-(+)-limonene	5989-27-5	PNEC	14 µg/l	aquatic organisms	fresh water	short-term (instant)
D-(+)-limonene	5989-27-5	PNEC	1,4 µg/l	aquatic organisms	marine water	short-term (instant)
D-(+)-limonene	5989-27-5	PNEC	1,8 mg/l	aquatic organisms	treatment plant (STP)	short-term (instant)
D-(+)-limonene	5989-27-5	PNEC	3,85 mg/kg	aquatic organisms	sediments fresh water	short-term (instant)
D-(+)- imonene	5989-27-5	PNEC	0,385 mg/ kg	aquatic organisms	marine sediments	short-term (instant)
D-(+)-limonene	5989-27-5	PNEC	0,763 mg/ kg	terrestrial organisms	soil	short-term (instant)
γ-terpinene	99-85-4	PNEC	0,003 mg/l	aquatic organisms	fresh water	short-term (instant)
γ-terpinene	99-85-4	PNEC	0 mg/l	aquatic organisms	marine water	short-term (instant)
γ-terpinene	99-85-4	PNEC	10 mg/l	aquatic organisms	treatment plant (STP)	short-term (instant)
γ-terpinene	99-85-4	PNEC	0,49 mg/kg	aquatic organisms	sediments fresh water	short-term (instant)
γ-terpinene	99-85-4	PNEC	0,049 mg/ kg	aquatic organisms	marine sediments	short-term (instant)
γ-terpinene	99-85-4	PNEC	0,423 mg/kg	terrestrial organisms -	soil	short-term (instant)
DL-α-pinene	80-56-8	PNEC	0,606 µg/l	aquatic organisms	fresh water	short-term (instant)
DL-α-pinene	80-56-8	PNEC	0,061 µg/l	aquatic organisms	marine water	short-term (instant)
DL-α-pinene	80-56-8	PNEC	0,2 mg/l	aquatic organisms	treatment plant (STP)	short-term (instant)
DL-α-pinene	80-56-8	PNEC	157 µg/kg	aquatic organisms	sediments fresh water	short-term (instant)
DL-α-pinene	80-56-8	PNEC	15,7 µg/kg	aquatic organisms	marine sediments	short-term (instant)
DL-α-pinene	80-56-8	PNEC	31,7 µg/kg	terrestrial organisms	soil	short-term (instant)
ß- pinene	127-91-3	PNEC	1,004 µg/l	aquatic organisms	fresh water	short-term (instant)
ß- pinene	127-91-3	PNEC	0,1 µg/l	aquatic organisms	marine water	short-term (instant)
ß- pinene	127-91-3	PNEC	3,26 mg/l	aquatic organisms	treatment plant (STP)	short-term (instant)

ß- pinene	127-91-3	PNEC	0,337 mg/kg	aquatic organisms	sediments fresh water	short-term (instant)
ß- pinene	127-91-3	PNEC	0,034 mg/kg	aquatic organisms	marine sediments	short-term (instant)
ß- pinene	127-91-3	PNEC	0,067 mg/kg	terrestrial organisms	soil	short-term (instant)
Linalool	78-70-6	PNEC	0,2 mg/l	aquatic organisms	fresh water	short-term (instant)
Linalool	78-70-6	PNEC	0,02 mg/l	aquatic organisms	marine water	short-term (instant)
Linalool	78-70-6	PNEC	10 mg/l	aquatic organisms	treatment plant (STP)	short-term (instant)
Linalool	78-70-6	PNEC	2,22 mg/kg	aquatic organisms	sediments fresh water	short-term (instant)
Linalool	78-70-6	PNEC	0,222 mg/kg	aquatic organisms	marine sediments	short-term (instant)
Linalool	78-70-6	PNEC	0,327 mg/kg	terrestrial organisms	soil	short-term (instant)

8.2. Exposition controls

8.2.1. Engineering measures

Measures related to the substance/ mixture to prevent exposure during identified uses :

Provide adequate ventilation. The good personal hygiene practices are always recommended, particularly while handling chemicals / oils.
Use personal protective equipment, clean and correctly maintained. Keep the personal protective equipment in a clean place, far from working area. Never eat, drink or smoke during use.Take off the contaminated clothing and wash it before re-use. Make sure that the ventilation is adequate, especially in closed areas.

8.2.2. Personal protective equipment (PPE):

Eyes and face protection:

Use safety masks with side protection.

Skin protection:

Wear suitable gloves. Chemical protection gloves that have been tested in accordance with EN 374 are suitable. For special purposes, it is recommended to check the chemical resistance of the protective gloves,

mentioned above, together with the supplier of these gloves. Times are approximate values from measurements at 22°C and constant contact. Elevated temperatures due to heated substances, body heat, etc. and reducing the effective layer thickness by stretching can result in the corresponding breakthrough time being halved. If in doubt, contact the manufacturer. With approximately 1.5 times greater/less layer thickness, the corresponding drilling time doubles/halve.The data refer to the pure substance only. When transferred to mixtures of substances, they can only be considered as a guide.
• type of material NBR (Nitrile rubber)
• material thickness ≥0,4 mm
• glove material wear > 480 minutes (penetration: level 6)
• additional protective measures
Allow recovery periods for skin regeneration.

Other skin protection : Allow recovery periods for skin regeneration. Prophylactic skin protection (protective creams/ointments) is recommended.

8.2.2.1. Respiratory tract protection : Respiratory protection is required in case of: Formation of aerosol mist. Type: A (against organic gases and vapours with boiling point > 65°C, color code: Brown). Environmental exposure controls.
Protect against contamination of drains, surface water and ground water.

8.2.3.Environmental exposure controls: Avoid discharge to drainage water. Eliminate only from authorized companies.

Training measures related to the avoiding of exposition : Staff training as per internal schedule.

Organization measures to avoid exposition : Staff training

Technical measures to avoid exposition : Staff training

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	easily mobile oily liquid
Color	:	red-orange with slight bluish fluorescence (sometimes with hard precipitate - mainly on cooling)
Odor	:	pleasant, fresh and sweet, citrusy on mandarin peel
Odor threshold	:	No data available
pH	:	No data available
Freezing point in °C	:	No data available
Melting point in °C	:	No data available
Boiling point	:	No data available
Boiling point / boiling range	:	160°C at 1.016 hPa (ECHA)
Flammability	:	Flammable liquid according to GHS criteria
Flash point in °C	:	57
Acid number, mg KOH/g	:	No data available
Ester number	:	No data available
Evaporation rate	:	No data available
Flammability (solid subst., gas)	:	No data available
Upper flammability/ explosion limit	:	No data available
Lower flammability/ explosion limit	:	No data available
Vapor pressure at 25°C	:	2,087 hPa
Solubility(ies)	:	in all respects in benzyl benzoate, diethyl phthalate, vegetable and mineral oils Slightly soluble in propylene glycol.

Insoluble in	:	water, glycerin.
Partition coefficient n-octanol/water, log Pow	:	4,27 – 488 (ECHA)
Autoignition temperature	:	235°C at 1.016 hPa (ECHA)
Decomposition temperature	:	No data available
Explosivity	:	No data available
Oxidizing properties	:	None

Other information

Refractive index at @20°C	:	1,473 - 1.486
Relative density at d^{20} @20°C	:	0,843 - 0,890
Polarization in a 100mm tube	:	+75 to +95
Temperature class (ЕС, съгл. с ATEX)	:	T3 Maximum permissible surface temperature of the equipment: 200°C

No other information available.

10. Stability and Reactivity

10.1. Reactivity

Note	:	It is a reactive substance. Risk of ignition.

When heated

Note	:	Risk of ignition. Vapour can form explosive mixtures with air.

10.2. Chemical stability

Note	:	Unresistant to strong acids and bases, and air oxidizes and produces a turpentine note. Stable under recommended operating conditions and storage

10.3. Possible hazardous reactions

Hazardous reactions	:	Reacts violently withstrong oxidizer.

10.4. Conditions to avoid

Conditions to avoid : Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Avoid oxidation by air.

Thermal decomposition : No data available.

10.5. Incompatible materials

Materials to avoid : Rubber products, various plastics

10.6. Hazardous decomposition products

Hazardous decomposition products : Hazardous combustion products: see Section 5.

11. Toxicological Information

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

Acute toxicity

Acute toxicity
Do not classify as acutely toxic

Acute toxicity

Exposure route	End point	Valie	Species	Method	Source
oral	LD50	>5.000 mg/kg	rat		ECHA
dermal	LD50	>5.000 mg/kg	rabbit		ECHA

Acute toxicity of components

Substance name	CAS No.	Exposure route	End point	Value	Species
D-(+)-Limonene	5989-27-5	oral	LD50	>2.000 mg/kg	rat
γ-terpine	99-85-4	oral	LD50	>2.000 mg/kg	rat
γ-terpine	99-85-4	dermal	LD50	>2.000 mg/kg	rat
DL-α-pinen	80-56-8	dermal	LD50	>2.000 mg/kg	rat
DL-α-pinen	80-56-8	oral	LD50	3.700 mg/kg	rat
Myrcene	123-35-3	oral	LD50	>3.380 mg/kg	mouse
Myrcene	123-35-3	dermal	LD50	>5.000 mg/kg	rabbit
ß-пинен	127-91-3	oral	LD50	4.700 mg/kg	rat
p-Cymene	99-87-6	oral	LD50	4.750 mg/kg	rat
p-Cymene	99-87-6	dermal	LD50	>5.000 mg/kg	rabbit
terpinolene	586-62-9	oral	LD50	>2.000 mg/kg	rat

terpinolene	586-62-9	dermal	LD50	>2.000 mg/kg	rat
Linalool	78-70-6	oral	LD50	2.790 mg/kg	rat
Linalool	78-70-6	dermal	LD50	5.610 mg/kg	rabbit

Corrosion/Skin irritation

Note : Causes skin irritation

Serious damage/eye irritation

Result : Do not classify as damage eye or irritation eye.

Respiratory or skin sensitization

Note : May cause allergic skin reaction.

Ingestion

Note : May be harmful if swallowed.

Mutagenicity of germ cells

Note : Do not classify as mutagenicity of germ cells.

Carcinogenicity

Note : Do not classify as carcinogenicity of germ cells.

CAS 5989-27-5: IARC Group 3: The agent cannot be classified as to its carcinogenicity to humans.

Reproductive toxicity

Note : Do not classify as reproductive toxicity.

STOT (specific target organ toxicity) — single exposure

Note : Do not classify as specific target organ toxicity (single exposure)

STOT (specific target organ toxicity) — repeated exposure

Note : Do not classify as specific target organ toxicity. (repeated exposure)

Aspiration hazard

Note : It can be fatal if swallowed and enters the respiratory tract.

Symptoms related to physical, chemical and toxicological characteristics

If swallowed : abdominal pain, nausea, inhalation hazard

In case of eye contact : causes mild to moderate irritation

On inhalation : no data available

In case of skin contact : May causes skin irritation, allergic reactions, itching, local redness.

Other information

Note : No other available information.

11.2. Properties disturbing the functions of the endocrine system

Note : Does not contain endocrine disruptors (ED) in a concentration ≥ 0.1%.

11.3. Information on other hazards

Note : No additional information

12. Ecological information

12.1. Toxicity

Product: Very toxic to aquatic organisms with long lasting effect.

Aquatic toxicity (acute)				
End point	**Value**	**Species**	**Source**	**Exposure time**
LL50	>100 mg/l	fish	ECHA	96 h
EL50	8,9 mg/l	aquatic invertebrates	ECHA	48 h
ErC50	0,61 mg/l	algae	ECHA	72 h

Aquatic toxicity (acute) of components

Substance name	CAS No.	End point	Value	Species	Exposure time
D-(+)-limonene	5989-27-5	LC50	0,46 mg/l	fish	96 h
D-(+)-limonene	5989-27-5	EC50	0,307 mg/l	aquatic invertebrates	48 h
D-(+)-limonene	5989-27-5	ErC50	0,32 mg/l	algae	72 h
γ-terpinene	99-85-4	EC50	2,792 mg/l	fish	96 h
DL-α-pinene	80-56-8	LC50	0,303 mg/l	fish	96 h
DL-α-pinene	80-56-8	EC50	0,475 mg/l	aquatic invertebrates	48 h
Myrcene	123-35-3	EC50	1,47 mg/l	aquatic invertebrates	48 h
Myrcene	123-35-3	EC50	0,31 mg/l	algae	72 h
Myrcene	123-35-3	ErC50	0,342 mg/l	algae	72 h
ß-pinene	127-91-3	LC50	0,68 mg/l	rainbow trout (Oncorhynchus mykiss)	96 h
ß- pinene	127-91-3	EC50	1,09 mg/l	giant water flea	48 h
ß- pinene	127-91-3	ErC50	0,7 mg/l	Pseudokirchneriella subcapitata	72 h
p-Cymene	99-87-6	LC50	48 mg/l	fish	96 h
p-Cymene	99-87-6	EC50	3,7 mg/l	aquatic invertebrates	48 h
p-Cymene	99-87-6	ErC50	4,03 mg/l	algae	72 h
terpinolene	586-62-9	LC50	0,805 mg/l	fish	96 h
terpinolene	586-62-9	EC50	0,634 mg/l	aquatic invertebrates	48 h
terpinolene	586-62-9	ErC50	0,692 mg/l	algae	72 h
Linalool	78-70-6	LC50	27,8 mg/l	fish	96 h
Linalool	78-70-6	EC50	59 mg/l	aquatic invertebrates	48 h
Linalool	78-70-6	ErC50	156,7 mg/l	algae	96 h

Aquatic toxicity (chronic) of components

Substance name	CAS No.	End point	Value	Species	Exposure time
D-(+)-limonene	5989-27-5	EC50	<0,67 mg/l	fish	8 d
D-(+)-limonene	5989-27-5	EC50	188 µg/l	aquatic invertebrates	21 d
D-(+)-limonene	5989-27-5	NOEC	0,19 mg/l	fish	8 d
D-(+)-limonene	5989-27-5	NOEC	0,05 mg/l	aquatic invertebrates	21 d
γ-terpinene	99-85-4	EC50	>1.000 mg/l	microorganisms	3 h
DL-α-pinene	80-56-8	NOEC	2 mg/l	microorganisms	28 d
Myrcene	123-35-3	NOEC	0,1 mg/l	Tetrahymena pyriformis	d

ß-pinene	127-91-3	EC50	326 mg/l	microorganisms	3 h
p-Cymene	99-87-6	NOEC	100 mg/l	microorganisms	28 d
terpinolene	586-62-9	EC50	69 mg/l	microorganisms	3 h
Linalool	78-70-6	EC50	>100 mg/l	microorganisms	30 min

12.2. Persistence and degradability

Biochemical degradation

The substance is readily biodegradable.

Degradation of components

Substance name	CAS No.	Process	Abiotic degradation	Time	Method	Source
D-(+)-limonene	5989-27-5	generation of carbon dioxide	58,8%	14 d		ECHA
D-(+)-limonene	5989-27-5	oxygen depletion	80%	28 d		ECHA
γ-terpinene	99-85-4	oxygen depletion	27%	28 d		ECHA
DL-α-pinene	80-56-8	oxygen depletion	68%	28 d		ECHA
Myrcene	123-35-3	oxygen depletion	76%	28 d		ECHA
ß-pinene	127-91-3	oxygen depletion	76%	28 d		ECHA
p-Cymene	99-87-6	oxygen depletion	88%	14 d		ECHA
terpinolene	586-62-9	oxygen depletion	81%	28 d		ECHA
Linalool	78-70-6	oxygen depletion	40,9%	5 d		ECHA

12.3. Bioaccumulation

The substance meets the criteria for very bioaccumulative

n-octanol/water (log KOW) *4,27–4,88 (ECHA)*

Bioaccumulation potential of components:

Substance name	CAS No.	BCF	Log KOW	BOD5/COD
D-(+)-limonene	5989-27-5		4,38 (pH value: 7,2, 37°C)	
γ-terpinene	99-85-4		5,4 (25°C)	
DL-α-pinene	80-56-8		4,83	
Myrcene	123-35-3		4,82 (pH value: ~6,5, 30°C)	
p-Cymene	99-87-6		4,8 (pH value: ~7, 20°C)	

terpinolene	586-62-9		4,47	
Linalool	78-70-6		2,9 (pH value: 7, 20°C)	

12.4. Mobility in soil

Product: No data available

12.5. Results from PBT and vPvB assessment

No data available.

12.6. Properties disturbing the functions of the endocrine system

Product: Does not contain endocrine disruptors (ED) in a concentration ≥ 0.1%.

12.7. Other adverse effects

Note : No data available

13. Disposal Considerations

13.1. Waste treatment methods

Product : Treat this material and its packaging as hazardous waste. Dispose of contents/container in accordance with the local/regional/national/international regulation.

Information on discharge in sewer systems

Do not discharge into drains. Avoid release to the environment, see special instructions/safety data sheet.

Container/packaging disposal considerations

It is a hazardous waste; only packaging that is approved (e.g. according to ADR) can be used. Treat contaminated packaging in the same way as the substance itself. Completely emptied packaging can be recycled.

13.2. Relevant provisions relating to waste

Placing codes/names on the waste should be carried out in accordance with the Regulation on the catalog of waste, according to the specifics of the given production or process.

Properties of waste that make it hazardous
HP 3 flammable
HP 4 irritant - skin irritation and eye damage
HP 5 specific target organ toxicity (STOT)/aspiration hazard
HP 13 sensitizing
HP 14 toxic to the environment

Notes

Waste must be separated into categories that can be treated separately by local or national waste management authorities. Note any national or regional regulations that are relevant. Completely emptied packaging can be recycled.

14. Transport Information

14.1. UN number or ID number

ADR/RID/ADN UN	UN 1197
IMDG Code	UN 1197
ICAO-TI	UN 1197

14.2. UN proper shipping name

ADR/RID/ADN	EXTRACTS, LIQUID
IMDG Code	EXTRACTS, LIQUID
ICAO-TI	Extracts, Liquid

14.3. Transport hazard class(es)

ADR/RID/ADN	3
IMDG Code	3
ICAO-TI	3

14.4. Packing group

ADR/RID/ADN	III
IMDG Code	III
ICAO-TI	III

14.5. Environmental hazards Hazardous to the aquatic environment

14.6. Special precautions for user

Dangerous goods regulations (ADR) must be followed within the sites.

14.7. Sea transport of cargo in bulk according to instruments of the International Maritime Organization

14.8. The cargo is not intended for transport in bulk.

14.9. Information on all UN Model rules

Road, rail and inland water transport of dangerous goods (ADR/RID/ADN) - Additional information

Proper shipping name	EXTRACTS, LIQUID
Details in the transport document	UN1197, EXTRACTS, LIQUID, 3, III, (D/E), environmental hazard
Classification code	F 1
Hazard label(s).	3, "Fish and wood"

Environmental hazards	yes (harmful to aquatic life)
Special provisions (SP)	601
Excluded quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restrictions code (TRC)	D/E
Identif. Hazard No	30

International Maritime Dangerous Goods Code (IMDG) - Additional information

Proper shipping name	EXTRACTS, LIQUID
The details as per the shipper's declaration	UN1197, EXTRACTS, LIQUID, (Oil of mandarin), 3, III, 51°C c.c., MARINE POLLUTANT

Marine pollutant	yes (harmful to aquatic life)
Hazard label(s).	3, "Fish and wood"

Special provisions (SP)	223, 955
Excluded quantities(EQ)	E1
Limited quantities(LQ)	5 L
EmS	F-E, S-D
Storage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) -Additional information

Proper shipping name	Extracts, liquid
The details as per the shipper's declaration	UN1197, Extracts, liquid, 3, III
Environmental hazards	yes (harmful to aquatic life)
Hazard label(s).	3

Special provisions (SP)	A3
Excluded quantities (EQ)	E1
Limited quantities (LQ)	10L

15. Regulatory information

15.1. Legislation specific for the substance or mixture / safety, health and environmental regulations

The relevant European Union (EU) regulations

Restrictions according to REACH Annex XVII

Substance name	Name in accordance with the inventory	CAS No.	Restriction	No.
Mandarin Oil	This product meets the criteria for classification according to Regulation No. 1272/2008/EC		**R3**	**3**
Mandarin Oil	flammable / pyrophoric		**R40**	**40**

Legend
R3 1. Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays;
- tricks and jokes;
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
- can be used as fuel in decorative oil lamps for supply to the general public, and,
- present an aspiration hazard and are labelled with risk phrase H304.
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
a) lamp oils, labelled with risk phrase H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";
b) grill lighter fluids, labelled with risk phrase H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";
c) lamp oils and grill lighters, labelled with risk phrase H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010;
R40 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- 'whoopee' cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.
2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
'For professional users only'.
3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).
4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

List of substances subject to authorization (REACH, Annex XIV)/SVHC - list of candidate substances

Not listed

Seveso – Directive

2012/18/EC (Seveso III)			
No.	**Hazardous substance/hazard categories**	**Threshold quantity (in tonnes) for the application of the requirements at low and high risk potential**	**Notes**

E1	environmental hazards (hazardous to the aquatic environment, cat. 2)	**100**	**200**	**56)**

Notation
57) Hazardous to the aquatic environment in the category Chronic hazard, category 1

Deco-Paint Directive

VOC contens	100%
VOC contens	850 g/l

Industrial Emissions Directive

VOC contens	100%
VOC contens	850 g/l

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

Not listed.

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

List of pollutants (WFD)

Substance name	Name in accordance with the inventory	CAS No.	Listed in	Notes
Linalool	Substances and preparations or constituents thereof that have proven carcinogenic or mutagenic properties or properties that may affect steroids, thyroid, reproduction or other endocrine functions in or through the aquatic environment		A)	

Legend
A) Recommended list of major pollutants

Regulation on the marketing and use of explosives precursors

Not listed.

Regulation on drug precursors

Not listed.

Regulation on substances that deplete the ozone layer (ODS)

Not listed.

Regulation concerning the export and import of hazardous chemicals (PIC)

Not listed.

Persistent Organic Pollutants (POP) Regulation

Not listed.

Other information

Directive 94/33/EC on the protection of young people at work. The restrictions on the employment of pregnant and breast-feeding women according to the Law on the Protection of Women at Work (92/85/EEC) should be observed.

National inventories

State	List	Status
AU	AICS	the substance is listed
CA	DSL	the substance is listed
CN	IECSC	the substance is listed
EU	ECSI	the substance is listed
KR	KECI	the substance is listed
NZ	NZIoC	the substance is listed
PH	PICCS	the substance is listed
TR	CICR	the substance is listed
TW	TCSI	the substance is listed
US	TSCA	the substance is listed (ACTIVE)
VN	NCI	the substance is listed

Legend

AICS	Australian Inventory of Chemical Substances
CICR	Chemical Inventory and Control Regulation
DSL	Domestic Substances List (DSL)
ECSI	EC list of substances (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
KECI	Korea Existing Chemicals Inventory
NCI	National Chemical Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2. Chemical Safety Assessment

A chemical safety assessment has not been prepared for this substance.

16. Other information

Shelf life 30 months from the date of manufacture.

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Main references and literature data sources

Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures (Classification, Labeling and Packaging). Regulation (EC) No. 1907/2006 (REACH), as amended by 2020/878/EU.

Road, rail and inland water transport of dangerous goods (ADR/RID/ADN). International Maritime Dangerous Goods (IMDG) Code. Dangerous Goods Regulations (DGR) for the air transport (IATA). (Regulations concerning dangerous goods for air transport).

Classification procedure

The method for classifying mixtures is based on the constituents of the mixture (additivity formula).

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Abbreviations and acronyms:

Abbr.	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement on the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement on the International Carriage of Dangerous Goods by Road)
Asp Tox 1	Inhalation hazard
Aquatic Acute 1	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic 3	Hazardous to the aquatic environment - chronic hazard
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (Classification, Labelling and Packaging)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR))
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flammable Liquids. 3	Flammable liquids

GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" ", developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-octanol/water
MARPOL	International Convention on Prevention of Pollution from Ships (abbr. to "Marine Pollutant)
NLP	A substance that no longer has the properties of a polymer
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation on Carriage of Dangerous Goods by Rail)
Corrosion/irritation 2	Skin irritation
Skin Sens.	Skin sensitization
vPvB	very Persistent and very Bioaccumulative
EO No. EU List	(EINECS, ELINCS и NLP-list) is the source for the seven-digit EC number, identifier of substances in the commercial network within the EU (European Union)
Index No.	the index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
VOC	Volatile Organic Compounds

Main references and sources of data in the literature

- Regulation (EC) No 1907/2006 (REACH), as amended by 2020/878 (EU)

- Regulation (EC) No 1272/2008 (CLP, EC GHS)

	List of relevant phrases (code and full text as defined in Section 2 and 3)
Code	**Text**
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters the respiratory tract.
H315	Causes skin irritation
H317	May cause allergic skin reaction
H319	May cause serious eye irritation
H400	Toxic to aquatic life
H410	Toxic to aquatic life with long-lasting effect
EUH208	Contains (R)-p-mentha-1,8-diene, myrcene, alpha-Pinene, Linalool. May cause allergic reaction.
	List of instructions for safe treatment, used in the safety document
P102	Keep away from children
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release in the environment
P280	Use protective gloves/protective goggles.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a physician.

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378	In case of fire: use CO2 foam, dry chemical to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of the content / container in an approved for disposal place in compliance with the local and national regulations.

Other information : In accordance with general product specification:
The information in this material safety data sheet is meant to represent typical data/analysis for this product and was obtained from current and reliable sources.
To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication.
The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee /expressed or implied / or a quality specification with respect to the correctness or accuracy.
It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.
The information relates to the specific product only and is not valid when used in combination with other materials or in any process, unless specified in the text.
The information provided does not constitute a delivery contract; regarding any specification or a given application, the buyer must determine for himself the requirements and recommendations for use of the product.

Disclaimer :

The data in this Safety Ordinance correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Ordinance, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products.
If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Ordinance cannot be assigned to the new material unless expressly stated otherwise.

The information provided is intended only as a guide to safe handling, use, processing, storage, transportation, disposal and release and should not be considered a warranty or quality specification.

Due to the many factors beyond our control in the use of this product, we cannot accept responsibility for accidents, mishaps, loss or damage caused by its use.

E N D!

TABLE OF EXTENDED ALLERGEN SUBSTANCES – REGULATION EC 2023/1545

Customer: „ ALTEYA ORGANICS LLC, 1 Rose Field St., 6167, Village of Yagoda, Stara Zagora Region salesbg@alteya.com, http://alteya.com, +359 700 15 502

Name of product: Organic Mandarin Oil – v.02/13.06.2025

INCI or GROUPING NAME	1223/2009 N° ANNEX	CAS Number	Concentr. 100% W/W
6-METHYLCOUMARIN	46	92-48-8	–
ACETYL CEDRENE	327	32388-55-9	–
ALPHA ISOMETHYL IONONE	90	127-51-5	-
ALPHA-TERPINENE	131	99-86-5	–
AMYL CINNAMAL	67	122-40-7	–
AMYL SALICYLATE	328	2050-08-0	–
AMYLCINNAMYL ALCOHOL	74	101-85-9	–
ANETHOLE	329	104-46-1 4180-23-8	–
ANISE ALCOHOL	80	105-13-5	–
BENZALDEHYDE	330	100-52-7	–
BENZYL ALCOHOL	45	100-51-6	-
BENZYL BENZOATE	85	120-51-4	–
BENZYL CINNAMATE	81	103-41-3	–
BENZYL SALICYLATE	75	118-58-1	-
BETA-CARYOPHYLLENE	332	87-44-5	-
CAMPHOR	331	76-22-2 464-48-2 464-49-3 21368-68-3	–
CARVONE	333	2244-16-8 6485-40-1 99-49-0	–
CINNAMAL	76	104-55-2	–
CINNAMYL ALCOHOL	69	104-54-1	-
CITRAL	70	5392-40-5 106-26-3 141-27-5	-
CITRONELLOL	86	106-22-9 1117-61-9 7540-51-4 26489-01-0	-
COUMARIN	77	91-64-5	-
DIMETHYL PHENETHYL ACETATE	334	151-05-3	–
EUGENOL	71	97-53-0	-
EUGENYL ACETATE	368	93-28-7	-
FARNESOL	82	4602-84-0	-
GERANIOL	78	106-24-1	-
GERANYL ACETATE	369	105-87-3	-
HEXADECANOLACTONE	335	109-29-5	–
HEXAMETHYLINDANOPYRAN	336	1222-05-5	-
HEXYL CINNAMAL	87	101-86-0	-
HYDROXYCITRONELLAL	72	107-75-5	–
ISOEUGENOL	73	5912-86-7 5932-68-3 97-54-1	-
ISOEUGENYL ACETATE	370	93-29-8	–

LIMONENE	88	5989−54−8 138−86−3 7705−14−8 5989−27−5	95,568
LINALOOL	84	78−70−6	0,159
LINALYL ACETATE	337	115−95−7	–
MENTHOL	338	1490−04−6 89−78−1 15356−60−2 2216−51−5	-
METHYL 2−OCTYNOATE	89	111−12−6	–
METHYL SALICYLATE	324	119−36−8	–
PINENE	371	80−56−8 7785−70−8 127−91−3 18172−67−3	0,411
PROPYLIDENE PHTHALIDE	175	17369−59−4	–
ROSE KETONES	157	23726−91−2 23726−94−5 23726−93−4 24720−09−0 71048−82−3 57378−68−4 23696−85−7 43052−87−5 23726−92−3	-
SALICYLALDEHYDE	340	90−02−8	–
SANTALOL	341	11031−45−1 115−71−9 77−42−9	-
SCLAREOL	342	515−03−7	–
TERPINEOL	343	586−81−2 8000−41−7 98−55−5 10482−56−1 138−87−4	-
TERPINOLENE	133	586−62−9	0,68
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	344	54464−59−4 54464−57−2 68155−67−9 68155−66−8	-
TRIMETHYLBENZENEPROPANOL	345	103694−68−4	-
TRIMETHYLCYCLOPENTENYL METHYLISOPENTENOL	339	67801−20−1	–
VANILLIN	346	121−33−5	–
CANANGA ODORATA OIL/EXTRACT	347	93686−30−7 83863−30−3 68606−83−7 8006−81−3	–
CEDRUS ATLANTICA OIL/EXTRACT	122	8023−85−6 92201−55−3	–
CINNAMOMUM CASSIA LEAF OIL	348	8007−80−5 84961−46−6	–
CINNAMOMUM ZEYLANICUM BARK OIL	349	8015−91−6 84649−98−9	–
CITRUS AURANTIUM BERGAMIA PEEL OIL	352	85049−52−1 68648−33−9 8007−75−8 89957−91−5	–
CITRUS AURANTIUM FLOWER OIL	350	72968−50−4 8028−48−6 8016−38−4	–
CITRUS AURANTIUM PEEL OIL	351	68916−04−1 97766−30−8 72968−50−4 8028−48−6 8008−57−9	–

CITRUS LIMON PEEL OIL	353	8008−56−8 84929−31−7	–
EUCALYPTUS GLOBULUS OIL	355	97926−40−4 8000−48−4	–
EUGENIA CARYOPHYLLUS OIL	356	8015−97−2 84961−50−2 8000−34−8	–
EVERNIA FURFURACEA (TREEMOSS) EXTRACT	92	90028−67−4	–
EVERNIA PRUNASTRI (OAK MOSS) EXTRACT	91	90028−68−5	–
JASMINE OIL/EXTRACT	357	8024−43−9 84776−64−7 8022−96−6 90045−94−6	–
JUNIPERUS VIRGINIANA OIL	358	85085−41−2 8000−27−9	–
LAURUS NOBILIS LEAF OIL	359	8007−48−5 84603−73−6 8002−41−3	–
LAVANDULA OIL/EXTRACT	360	91722−69−9 93455−97−1 92623−76−2 90063−37−9 84776−65−8 93455−96−0 8000−28−0 8022−15−9	–
LEMONGRASS OIL	354	89998−16−3 91844−92−7 8007−02−1	–
LIPPIA CITRIODORA ABSOLUTE	196	8024−12−2 85116−63−8	–
MENTHA PIPERITA OIL	361	84082−70−2 8006−90−4	–
MENTHA VIRIDIS LEAF OIL	362	8008−79−5 84696−51−5	–
MYROXYLON PEREIRAE OIL/EXTRACT	154	8007−00−9	–
NARCISSUS EXTRACT	363	90064−25−8 68917−12−4 90064−27−0 90064−26−9	–
PELARGONIUM GRAVEOLENS FLOWER OIL	364	8000−46−2 90082−51−2	–
PINUS MUGO	109	90082−72−7 8000−26−8	–
PINUS PUMILA	114	97676−05−6	–
POGOSTEMON CABLIN OIL	365	84238−39−1 8014−09−3	–
ROSE FLOWER OIL/EXTRACT	366	84604−12−6 84696−47−9 90106−38−0 93334−48−6 8007−01−0 92347−25−6 84604−13−7	–
SANTALUM ALBUM OIL	367	84787−70−2 8006−87−9	–
TURPENTINE	124	9005−90−7 8052−14−0 8006−64−2	–

According to Regulation EO 1223/2009 is hereby amended as follows:
The presence of the substance must be indicated in the list of ingredients referred to inArticle 6(1)(g) when its concentration exceeds:— **0,001 %** in "**leave-on**" products, (and)— **0,01 %** in **"rinse-off"** products