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MATERIAL SAFETY DATA SHEET

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

Organic Sandalwood Oil

Version 03

Date of creation: 04.04.2018

Supersedes the version from: 21.09.2022

Date of new version: 21.11.2023

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

1.1. Product Identifiers

Product name	:	Organic Sandalwood Oil
Substance name (INCI)	:	SANTALUM SPICATA WOOD OIL
REACH Registration No	:	-
CAS No	:	8024-35-9
EO No	:	296-618-5
Biological origin	:	Obtained from the wood of the Australian sandalwood tree, Santalum spicata, Santalaceae.

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 serious eye irritation.

1.3. Details of the supplier of the safety data sheet

<u>Manufacturer</u>	:	ALTEYA ORGANICS LLC
<u>Mailing address/Postal code</u>	:	6167, village of Yagoda, 1, Rozovarna St.
<u>Country identifier/</u>		
<u>Postal code/city or town</u>	:	Bulgaria
<u>Telephone/Mobile/Fax</u>	:	+359 700 15 502

E-mail of the competent person responsible for the Safety Data Sheet
:

salesbg@alteya.com



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National contact person : Kaloyan Stoev
Website : <http://alteya.com>

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
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.4	Sens.	Skin sensitization	(Skin sens 1)	H317
3.3	Eye	Eye irritation	(Corrosion)Damage/Irritation. 2A	H319
4.1	Chronic	Hazardous for aquatic environment	Aquatic Chronic 1	H400

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



GHS07 GHS09

Signal word

: Caution

Hazard statements

: H315 Causes skin irritation.
H317 May cause allergic skin reaction
H319 Causes serious eye irritation

Hazard statements concerning environment

: H410 Very toxic to aquatic life

EUH208 Contains: Farnesol, Eugenol, Limonene, Santalol.
May cause allergic reaction.

Safety recommendations

Safety recommendations

- General

P102 Keep out of reach of children



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Safety recommendations

- Prevention
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P272 Contaminated work clothing should not be allowed out of the workplace.
 - P280 Use protective gloves/protective clothing/protective goggles/protective facial mask.

Safety recommendations

- As a reaction
 - P302+P352 IF ON SKIN: Wash with plenty of water.
 - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 - P305+ P351+ If in the eyes: Rinse carefully with water for several minutes. Remove contact lenses if there are such and if possible. Continue rinsing.
 - P338 Wash contaminated clothing before reuse.
 - P363 P391 Collect spillage

Safety recommendations

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

2.3. Other hazards

According to the assessment results, the substance is not PBT or vPvB.

3. Composition/information on ingredients

3.1. Substances

"UVCB substance" (substances with unknown or variable composition).

3.2. Mixture

INGREDIENT	IDENTIFIERS	%	CLASSIFICATION
SANTALUM SPICATA WOOD OIL	EINECS NO: 296-618-5 CAS NO: 8024-35-9	100,0	  ATTENTION! Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Eye .irrit, 2A/ H319 Aquatic Acute 1 / H400
Alpha-Santalol	EINECS NO: 204-102-8 CAS NO: 115-71-9	~ 20,0	Skin Sens. 1 / H317 Acute Tox. 5 – H303 1B
Beta-Santalol	EINECS NO: 201-027-2 CAS NO: 77-42-9	5,9 – 24,0	Skin Sens. 1 / H317 Acute Tox. 5 – H303 1B
Alpha-Bergamotol	EINECS NO: - CAS NO: 13474-59-4	4,0 – 8,0	Asp. Tox. 1, H304
cis-lanceol	EINECS NO: - CAS NO: 10067-28-7	0.5 - 4,0	No records



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<i>cis</i> -nuciferol	EINECS NO: - CAS NO: -	2,0 – 15,0	No records
- <i>trans</i> -Nerolidol	EINECS NO: 255-053-4 CAS NO: 40716-66-3	1 – < 5	<i>Skin Irrit. 2 – H315</i> <i>Eye Irrit. 2A (H319)</i> <i>STOT SE 3, H335</i> <i>Aquatic Acute 1 / H400</i> <i>Aquatic Chronic 1 – H410</i>
<i>epi</i> -beta-bisabolol	EINECS NO:- CAS NO:76738-75-5	1 – < 5	<i>Skin Sens. 1 / H317</i> <i>Aquatic Chronic 2, H411</i>
β -бисаболен	EINECS NO: 610-461-5 CAS NO: 495-61-4	1 – < 5	<i>Skin Irrit. 2 / H315</i> <i>Skin Sens. 1 / H317</i> <i>Asp. Tox. 1 / H304</i>
<i>cis</i> -beta-Curcumene-12-ol	EINECS NO: - CAS NO: -	< 5,0	No records
Farnesol	EINECS NO: 226-004-1 CAS NO: 4602-84-0	10,0 – 15,0	<i>Skin Irrit. 2 / H315</i> <i>Skin Sens. 1 / H317</i> <i>Aquatic Acute 1 / H400</i> <i>Aquatic Chronic 1 – H410</i>
EUGENOL	EINECS NO: 202-589-1 CAS NO: 97-53-0	<0,1	<i>Eye Irrit. 2 - H319</i> <i>Skin Sens. 1 – H317</i>
LIMONENE	EINECS NO: 227-813-5 CAS NO: 5989-27-5	<0,1	<i>Flam. Liq. 3 – H226</i> <i>Skin Irrit. 2 – H315</i> <i>Skin Sens. 1 – H317</i> <i>Asp. Tox. 1 – H304</i> <i>Aquatic Acute 1 – H400</i> <i>Aquatic Chronic 1 – H410</i>

4. First Aid Measures

4.1. Description of first aid measures



- General notes : In case of unwellness, seek medical attention (if possible, show the label). Immediately remove clothing contaminated with the product.
- Following inhalation : Immediately move the person away from the source of exposure and place them in a position that facilitates breathing. Seek medical attention if discomfort persists.
- Following skin contact : Flush skin with water/take a shower. After skin contact, wash immediately with plenty of water. In case of skin reactions, consult a doctor. In the event of skin irritation, seek medical attention.



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- Following eye contact : Flush with plenty of clean, fresh water for at least 10 minutes, keeping eyelids open. In case of eye irritation, consult an ophthalmologist.
- Following ingestion : Rinse the mouth. Do not induce vomiting. Call a doctor if you feel unwell.
- Self-protection of first aid provider : No other data available.

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

- Symptoms : Irritation, Allergic reactions

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

- Treatment : There is no specific antidote.
Treat symptomatically.

5. Fire-fighting Measures

5.1. Extinguishing media

- Suitable extinguishing media : Coordinate fire-fighting measures with the surrounding area. Water splashes, alcohol resistant foam, dry powder for extinguishing, BC-powder, carbon dioxide (CO₂)
- Unsuitable extinguishing media : water jet

5.2. Special hazards arising from the substance or mixture

- Hazardous combustion products : Carbon monoxide (CO), carbon dioxide (CO₂).
Burning may release poisonous gases containing carbon monoxide.
- Specific hazards during fire-fighting : No data available

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



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sources. Extinguish the fire with the usual precautions from a reasonable distance. Wear a self-contained breathing apparatus.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Protective equipment : Wear appropriate protective equipment (including the personal protective equipment listed in Section 8 of this Material Safety Data Sheet) to prevent contamination of skin, eyes and personal clothing. Avoid product contact with skin, eyes and clothing. Do not breathe vapors.

Emergency procedures : Removal of ignition sources, provision of sufficient ventilation, dust control.

6.1.2. For the persons responsible for emergencies

Wear personal protective equipment. Move people away from the spill/leak in an upwind direction. Avoid the formation of dust. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions : Protect against contamination of drains, surface and ground water. Save the contaminated wash water and dispose it of.

6.3. Methods and materials for containment and cleaning up

6.3.1. For containment : Covering of drains.

6.3.2. For cleanup : Should be mechanically absorbed with a binding material (sand, diatomaceous earth, acid binder or universal).

6.3.3. More information : Place in appropriate disposal containers. Ventilate the affected area.

Methods and materials for cleanup : Place in appropriate containers for disposal. Ventilate the affected area.

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

Precautions	:	Ensure adequate ventilation. Ventilate the warehouse/laboratory for storage and preparation. Avoid contact with skin and eyes. Avoid eating, drinking and smoking in areas where products are stored and processed. Do not inhale hot fumes.
Fire-fighting measures	:	Smoke may combine with air to form an explosive mixture. Wetted solids (e.g. cloth, pulp, filter, ribbon) should be stored hermetically closed and/or soaked and properly disposed of (see Chapter 13). Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Do not expose the vapors to a flame or other source of ignition.
Measures to avoid transformation into aerosols and powder	:	No data.
Environmental precautionary measures		Avoid release to 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.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Keep the container tightly closed.
Incompatible substances, mixtures	:	Follow the combined storage guidelines.
Requirements to storage areas or containers	:	Brown glass, stainless steel and aluminum containers. Recommended storage temperature: 15 – 25°C.
Storage class	:	No data
Additional information on storage conditions	:	Store in a closed container.



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Requirements to storage : Store only in the original packaging.
areas and containers

Recommendations for protection
from fire and explosions : None known

Class of dust explosion : No data available

Recommendations for
primary storage : Keep in dark and cool place

General rules are
recommended as per **БДС ISO 210:2023**

7.3. Specific end use(s)

Recommendations : No data available.

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: Follow the regulation relative to the application:
• 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

Occupational exposure limits on the basis of data base of international limit values GESTIS

This information is not available.

Other occupational exposure limits

Information on monitoring procedures

Relevant DNEL-/DMEL-/PNEC and other threshold levels

- Human health values



Eugenol, Nat - Cas: 97-53-0

Worker industry: 21.2 Mg / M³ - Consumer: 5.22 Mg / M³ - Exposure: Inhalation for human - Frequency:

Long Term, Systemic effects

Workers industry: 6 Mg / Kg - Consumer: 3 Mg / Kg - Exposure: Dermal for skin - Frequency: Long Term, Systemic effects

Consumer: 3 Mg / Kg - Exposure: Oral for human - Frequency: Long Term, Systemic effects

Eugenol, Nat - Cas: 97-53-0

Worker industry: 21.2 Mg / M³ - Consumer: 5.22 Mg / M³ - Exposure: Inhalation for human - Frequency: Long Term, Systemic effects

Workers industry: 6 Mg / Kg - Consumer: 3 Mg / Kg - Exposure: Dermal for skin - Frequency: Long Term, Systemic effects

Consumer: 3 Mg / Kg - Exposure: Oral for human - Frequency: Long Term, Systemic effects

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 bw/day human, dermal industrial worker chronic – systemic effects

Relevant PNEC- mixture components

Eugenol, Nat - Cas: 97-53-0

Objective: Freshwater - Value: 1,13 03

Objective: Marine water - Value: 0.113 03

Objective: Freshwater sediment - Value: 0,081 Mg / Kg

Objective: Marine sediment - Value: 0,081 Mg / Kg

Objective: Soil (Agricultural) - Value: 0,0155 Mg / Kg

Objective: Emissione Saltuaria - Value: 11.3 03

Eugenol, Nat - Cas: 97-53-0

Objective: Freshwater - Value: 1,13 03

Objective: Marine water - Value: 0.113 03

Objective: Freshwater sediment - Value: 0,081 Mg / Kg

Objective: Marine sediment - Value: 0,081 Mg / Kg

Objective: Soil (Agricultural) - Value: 0,0155 Mg / Kg

Objective: Emissione Saltuaria - Value: 11.3 03

D-(+)-limonene 5989-27-5 PNEC 14 µg/l aquatic organisms freshwater short-term (instant)

D-(+)-limonene 5989-27-5 PNEC 1,4 µg/l aquatic organisms marine short-term (instant)

D-(+)-limonene 5989-27-5 PNEC 1,8 mg/l aquatic organisms sewage treatment plant (STP) short-term (instant)

D-(+)-limonene 5989-27-5 PNEC 3,85 mg/kg aquatic organisms sediments freshwater short-term (instant)

D-(+)-limonene 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)



8.2. Exposition controls

8.2.1. Appropriate engineering control

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

Use personal protective equipment depending on the concentration and quantity of the hazardous substance. Store away from food, drink and feed. Remove all contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid skin contact. Avoid contact with eyes and skin.

8.2.2. Personal protective equipment:

Follow directions.



8.2.2.1. Eyes and face protection:

Wear safety goggles. Tightly sealed goggles according to EN 166: 2001. Use safety masks with side protection.



8.2.2.2. Skin protection

Hand 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 doubled / halved. 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: > 0.11 mm*
- *glove material wear: > 480 minutes (penetration: level 6)*

Other skin protection :

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



Appropriate type of protective clothing	:	Full chemical protection suit. Protective equipment should be selected according to the concentration and quantity of the hazardous substance at the specific workplace.
		
8.2.2.3. 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).
8.2.1.1. Thermal hazards	:	None.
8.2.3. Environmental exposure controls	:	Protect against contamination of drains, surface water and ground water.
Measures related to substance/mixture required to avoid exposition	:	No data available.
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
Hygienic measures	:	Good personal hygiene practices are always recommended, especially when handling chemicals/oils.
Environmental exposition controls		
Basic guidelines	:	Do not wash in surface water



9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	transparent, slightly viscous liquid
Color	:	almost colorless to pale yellow or yellowish brown
Odor	:	characteristic, typical sandalwood, soft, woody, persistent and lasting smell, but more bitter and resinous
Odor threshold	:	No data available
pH	:	not determined
Content of primary alcohols such as santalol, in %	:	< 45.0
Acid value, KOH/g	:	max. 5.0
Ester value, KOH/g	:	4,5 – 18
Acetyl number, KOH/g	:	above 199
Melting point/freezing point	:	-21°C (ECHA)
Boiling point	:	279 @ 760 mm Hg
Boiling point/boiling range	:	89,5°C at 1.021 hPa (ECHA)
Flash point, in °C	:	142,5°C at 1.005 hPa (ECHA)
Evaporation rate	:	No data available
Flammability (solid substance, gas):		This material is combustible but will not ignite easily
Upper flammability/explosion limit	:	No data available
Lower flammability/explosion limit	:	No data available
Vapour pressure	:	3 hPa at 20°C
Density of vapours	:	No data available



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Solubility in P _{70%} ethanol	:	up to 1:5
Solubility (s)	:	in glyceride and mineral oils (sometimes with clouding), in propylene glycol
Insoluble in	:	water - 1,72 g/l at 20°C (ECHA), glycerin
Partition coefficient n-octanol/water	:	2,43 (pH value: 7,5, 20°C) (ECHA)
Self-ignition temperature	:	280°C at 1.026 hPa (ECHA)
Thermal decomposition	:	No data available
Viscosity	:	No data available
Explosivity	:	No data available
Oxidizing properties	:	No data available
Density	:	0,96 g/cm ³

Other information

Refractive index at 20°C	:	1.504 - 1.510
Relative density at 20°C	:	0.968- 0.978
Optical rotation in °	:	-3.0° to -8.0°
Temperature class (EU, ATEX compliant)	:	T3 Maximum permissible surface temperature of the equipment: 200°C

No additional data available.

10. Stability and Reactivity

10.1. Reactivity

Advice	:	This material is not reactive under normal environmental conditions. When heated vapors can form explosive mixtures with air.
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10.2. Chemical stability



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Advice : The material is resistant to temperature and pressure or in the usual environment and under the foreseeable conditions of storage and use.

10.3. Possible hazardous reactions

Hazardous reactions : Reacts violently with: strong oxidizer.

10.4. Conditions to avoid

Conditions to avoid : Heat and light.

Thermal decomposition : No data available.

10.5. Incompatible materials

Materials to avoid : Strong oxidizing and reducing agents. Avoid flammable materials, PVC.

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide, carbon dioxide and other hazardous decomposition products may form in case of fire.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Method	:	LD50
Species	:	rat
Routes of exposure	:	oral
Effective dose	:	5.580 mg/kg
Exposure time	:	-
Method	:	LD50
Species	:	rabbit
Routes of exposure	:	dermal
Effective dose	:	> 5.000 mg/kg
Exposure period	:	-

Source : ECHA

Farnesol 4602-84-0

LD50 Oral - Rat - 6.000 mg/kg

Notes: Behavioral: somnolence (generally suppressed activity).



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Behavioral: antipsychotic.

Inhalation: No information

LD50 Skin - Rat - male and female- > 15.000 mg/kg

Notes: (ECHA)

alpha-Santalol

Oral LD50 300 mg/kg (mouse)

D-(+)-limonene 5989-27-5 oral LD50 >2.000 mg/kg rat

EUGENOL (CAS: 97-53-0)

Oral: LD50 = 2300 mg/kg

Corrosion/Skin irritation

Notes : Causes skin irritation.

Farnesol 4602-84-0

Skin - Rabbit

Result: Skin irritation

(OECD Test guidelines 404)

Serious damage/eye irritation

Eugenol

Causes serious eye irritation.

Result : Causes serious eye irritation.

Respiratory or skin sensitization

Note : May cause allergic skin reaction.

Farnesol 4602-84-0

Examination of local lymph nodes (PLNA) – Mouse

Result: Causes allergisation. (OECD Test Guideline 429)

EUGENOL(CAS: 97-53-0) May cause allergic skin reaction.

in vivo assay-Mouse(Eugenol).

(OECD Test Guideline 429)

Ingestion

Note : Low grade toxicity that causes stomach and intestinal irritation leading to nausea and vomiting.



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Mutagenicity of germ cells

Rat (eugenol), Liver, DNA damage

Mouse (eugenol), lymphocytes

Mutation in mammalian somatic cells.

Hamster (eugenol) embryo

DNA synthesis

Hamster (eugenol) embryo

Morphological transformations.

Hamster (eugenol) embryo

Carcinogenicity

IARC: 3-Group3 : Cannot be classified related to its carcinogenicity to people (Eugenol)

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

Summary of the assessment of CMR properties

Note : No additional data available

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 : Inhalation of high vapor concentrations may cause eye, nose and throat irritation, headache, nausea and dizziness.

Information on possible routes of exposure



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Note : No additional data available

Symptoms related to physical, chemical and toxicological characteristics

Note : Toxicological characteristics are not comprehensively studied

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Note : Toxicological characteristics are not comprehensively studied

Interactions

Note : Toxicological characteristics are not comprehensively studied

Lack of specific data

Note : Toxicological characteristics are not comprehensively studied

Mixtures

Note : Toxicological characteristics are not comprehensively studied

Medical consideration

Note : Toxicological characteristics are not comprehensively studied

Other information

Note : The toxicological classification is based on the information on the content and the information available at that time.

11.2. Properties disturbing the functions of the endocrine system

Note : No data available

12. Ecological information



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Note : Harmful to aquatic organisms with long-lasting effect.

12.1. Toxicity

Product:

Acute (short-term) toxicity:

Fish

Farnesol 4602-84-0

*LC50 - *Pimephales promelas* (A small fish, stickleback) - 1,43 mg/l*

- 96 h Notes: (ECHA)

Eugenol

LC50 13 mg/l fish ECHA 96 h

D-(+)-limonene 5989-27-5 LC50 0,46 mg/l fish 96 h

Toxic for Daphnia and other aquatic invertebrates

Farnesol 4602-84-0

*semi-static test EC50 - *Daphnia magna* (Daphnia) - 0,568 mg/l -48 h*

(OECD Test Guideline 202)

Farnesol 4602-84-0

*semi-static test NOEC - *Daphnia magna* (Daphnia) - 0,532 mg/l -48 h*

(OECD Test Guideline 202)

Eugenol

EC50 1,05 mg/l aquatic invertebrates ECHA 48 h

EC50-Daphnia (waterflea)-1.13mg/l-48h (Eugenol).

D-(+)-limonene 5989-27-5 EC50 0,307 mg/l aquatic invertebrates 48 h

Algae/aquatic plants

Farnesol 4602-84-0

*static test EC50 - *Pseudokirchneriella subcapitata* (green algae) - 1,49 mg/l - 72 h*

(OECD Test Guideline 201)

Farnesol 4602-84-0

*static test NOEC - *Pseudokirchneriella subcapitata* (green algae) - 0,083 mg/l - 72 h*

(OECD Test Guideline 201)

Eugenol

ErC50 24 mg/l algae ECHA 72 h



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D-(+)-limonene 5989-27-5 ErC50 0,32 mg/l algae 72 h

Bacteria

Farnesol 4602-84-0

*static test EC50 - Activated sediment- > 1.000 mg/l - 3 h
(OECD Test Guideline 209)*

Chronic (long-term) toxicity:

Note : No data available

Fish

D-(+)-limonene 5989-27-5 EC50 <0,67 mg/l fish 8 d

Shellfish

D-(+)-limonene 5989-27-5 EC50 188 µg/l aquatic invertebrates 21 d

Algae/water plants

Note : No data available

Other organisms

Note : No data available

12.2. Persistence and degradability

Product:

Abiotic degradation

Degradation of mixture components

Eugenol - biotic/abiotic 82 % 28 d

Farnesol aerobic - Exposure time 28 d

Result: 70% - Easily biodegradable. (OECD Test Guideline 301F)

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

Physical and photo-chemical elimination



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Note : No additional data available

Biochemical degradation

Note : No additional data available

12.3. Bioaccumulation

Product: No data available

Bioaccumulation potential of mixture components:

Eugenol log KOW 1,83 (pH value: 5,5, 30°C) (ECHA)

D-(+)- limonene 5989-27-5 4,38 (pH value: 7,2, 37°C)

Partition coefficient n-octanol/water (log Kow)

Note : No data available

Bioconcentration factor (BCF)

Notes : Does not accumulate in biological environment

12.4. Mobility in soil

Product:

Known or predicted distribution in environmental components

Note : No data available

Surface tension

Note : No data available

Adsorption/desorption

Note : No data available

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered highly persistent nor highly bioaccumulative vPvB.

This product doesn't contain substances considered persistent, bioaccumulative or toxic PBT.

Product:

Results from PBT and vPvB assessment

Note : No data available

12.6. Other adverse effects

Product:

Biochemical oxygen demand (BOD)



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Value : No data available

Chemical oxygen demand (COD)

Value : No data available

Additional ecological information/Mobility in soil

Notes : Do not wash in surface waters.

12.7. Additional information

Notes : Do not wash in surface waters.

13. Disposal Considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

The correct waste management of the mixture and/or container must be determined in accordance with Directive 2008/98/EC.

Codes/designation of waste according to LoW: -

Product No data available

Contaminated packaging material No data.

European Catalogue waste number No waste code can be given to this product according to the European Waste Catalogue since it is related to its potential use.
Waste code is given after consulting the regional waste Service.

13.1.2. Information on waste treatment

Do not pour into drains or waterways.

13.1.3. Information on discharge in sewer systems

Work in accordance with official regulations.

13.1.4. Other recommendations for waste disposal

Work in accordance with official regulations.

14. Transport Information



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Not applicable

14.1. UN number

ADR/RID/ADN UN 3082

IMDG Code 3082

ICAO-TI UN 3082

14.2. UN proper shipping name

ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.
Technical name (hazardous ingredients)	Oil of sandal-wood

14.3. Transport hazard class(es)

ADR/RID/ADN	9
IMDG Code	9
ICAO-TI	9

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

The cargo is not intended for transport in bulk.



14.8. Information on all UN Model rules

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

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Details in the transport document	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Oil of sandal-wood 9, III, (-)
Classification code	M6
Hazard label(s).	9, "Fish and wood"
	
Environmental hazards	yes (Harmful to aquatic life)
Special provisions (SP)	274, 335, 375, 601
Excluded quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restrictions code (TRC)	-
Identif. Hazard No	90

International Maritime Dangerous Goods Code (IMDG) - Additional information

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
The details as per the shipper's declaration	UN3082, ENVIRONMENTALLY, HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Oil of sandal-wood)
Marine pollutant	yes (Harmful to aquatic life), (Oil of patchouli)
Hazard label(s).	9, "Fish and wood"



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Special provisions (SP)	274, 335, 969
Excluded quantities(EQ)	E1
Limited quantities(LQ)	5 L
EmS	F-A, S-F
Storage category	A

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

Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
The details as per the shipper's Declaration	UN3082, Environmentally hazardous substance liquid, n.o.s., (Oil of sandal-wood) 9, III
Environmental hazards	yes (Harmful to aquatic life)
Hazard label(s).	9, "Fish and wood"



Special provisions (SP)	A97, A158, A197, A215
Excluded quantities (EQ)	E1
Limited quantities (LQ)	30kg

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.
Oil of sandal-wood	This product meets the criteria for classification according to Regulation No. 1272/2008/EC		R3	3
Oil of sandal-wood	substances in tattoo inks and permanent makeup		R75	75
D-(+)-limonene	flammable / pyrophoric		R40	40
D-(+)-limonene	substances in tattoo inks and permanent makeup		R75	75

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,
- 'whoopie' 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.

R75 1. Shall not be placed on the market in mixtures intended for tattooing, and mixtures, containing any of these substances, shall not be used for tattooing purposes after 4 January 2022, if the substance or substances in question are present in the following circumstances:

- a) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as carcinogenic, category 1A, 1B or 2, or mutagenic to germ cells, category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0.00005 weight percent;
- b) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as toxic for reproduction, category 1A, 1B or 2, the substance is present in the mixture at a concentration equal to or greater than 0.001 weight percent;



c) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as a skin sensitiser, category 1, 1A or 1B, the substance is present in the mixture in a concentration equal to or greater than 0.001 weight percent;

d) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as causing skin corrosion, category 1, 1A, 1B or 1C, or skin irritation, category 2, the substance is present in the mixture in a concentration equal to or greater than:

- i) 0.1 weight percent if the substance is used solely as a pH regulator;
- ii) 0.01 weight percent in all other cases;

e) in the case of a substance classified in Annex II to Regulation (EC) No 1223/2009 (*1), the substance is present in the mixture in a concentration equal to or greater than 0.00005 weight percent;

f) in the case of a substance for which a condition is indicated for one or more of the following types in column g (Type of product, body parts) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration equal to or greater than 0.00005 weight percent:

- i) „Rinse-off products“;
- ii) „Not to be used in products for application on mucous membranes“;
- iii) „Not to be used in eye products“;

g) in the case of a substance for which a condition is specified in column h (Maximum concentration in the ready-to-use preparation) or column i (Other) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration or otherwise not meeting the condition specified in this column;

h) in the case of a substance listed in Appendix 13 to this Annex, the substance is present in the mixture in a concentration equal to or greater than the concentration limit specified for that substance in that Appendix.

2. For the purposes of this entry the use of a mixture "for tattooing" means the injection or introduction of the mixture into the skin, mucous membrane or eyeball of a person by a process or procedure (including procedures commonly referred to as "permanent makeup", "cosmetic tattooing", "microblading" and "micropigmentation") aimed at achieving a mark or drawing on his body.

3. If a substance not listed in Appendix 13 falls within the scope of more than one of points a) to g) of paragraph 1, the most stringent concentration limit established in those points shall apply to that substance. If a substance listed in Appendix 13 also falls within the scope of one or more of points a) to g) of paragraph 1, the concentration limit set out in point h) of paragraph 1 applies to that substance.

4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:

- a) Pigment Blue 15:3 (CI 74160, EO number 205-685-1, CAS number 147-14-8);
- b) Pigment Green 7 (CI 74260, EO number 215-524-7, CAS number 1328-53-6).

5. If Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 to classify or reclassify a substance so that it falls under points a), b), c) or (d) of paragraph 1 of this entry or falls under a different point from that in which it previously fell, and the date of application of that new or revised classification is after the date specified in paragraph 1 or, as the case may be, in paragraph 4 of this entry, then, for the purposes of applying this entry to the specified substance, that amendment shall be treated as coming into force on the date of application of that new or revised classification.

6. If Annex II or Annex IV to Regulation (EC) No 1223/2009 is amended after 4 January 2021 to add a substance to the list or to change its entry so that it falls under points e), f) or g) of paragraph 1 of this entry, or fall in a different point from that in which it previously fell, and the amendment takes effect after the date specified in paragraph 1 or, as the case may be, paragraph 4 of this entry, then for the purposes of the application of this entry in relation to the specified substance, this amendment shall be treated as coming into force 18 months after the entry into force of the act which the said amendment is made by.

7. Suppliers that place on the market a mixture intended for tattooing shall ensure that, after 4 January 2022, the following information is indicated on the label of the mixture:

- a) the text "Mixture intended for tattoos or permanent make-up";
- b) a unique lot identification reference number;
- c) the list of ingredients in accordance with the nomenclature established with the Glossary of common ingredient names pursuant to Article 33 of Regulation (EC) No 1223/2009, or in the absence of a common name of an ingredient, the IUPAC name. In the absence of a name or IUPAC name, the CAS number and the EC number. Ingredients are listed in descending order by weight or volume of ingredients at the time of formulation.

"Ingredient" means any substance added during the formulation process and present in the mixture intended for tattooing. Impurities are not considered ingredients. If there is already a requirement for the name of a substance used as an ingredient within the meaning of this entry to be indicated on the label in accordance with Regulation (EC) No 1272/2008, this ingredient is not necessary to be indicated in accordance with this regulation;



d) the additional text "pH regulator" for substances covered by paragraph 1, letter d), subsection i);
e) the text "Contains nickel. May cause allergic reactions.", if the mixture contains nickel below the limit concentration, specified in Appendix 13;
f) the text "Contains chromium (VI). May cause allergic reactions.", if the mixture contains chromium (VI) below the concentration limit, specified in Appendix 13;
g) instructions for safe use to the extent that until now, according to Regulation (EC) No 1272/2008, they were not required to be indicated on the label. The information is clearly visible, easy to read and marked to be indelible. The information shall be written in the official language(s) of the Member State(s) in which the mixture is placed on the market, unless otherwise provided in the Member State(s) concerned. Where this is required due to the size of the package, the information referred to in the first paragraph, with the exception of letter a), shall instead be included in the instructions for use. Before using a mixture for the purpose of tattooing, the person using the mixture shall provide the person undergoing the procedure with the information marked on the packaging or included in the instructions for use under this paragraph.

8. Mixtures which labels do not contain the text "Mixture intended for tattooing or permanent make-up" are not used for the purpose of tattooing.

9. This entry does not apply to substances which are gases at a temperature of 20 °C and a pressure of 101,3 kPa or generate a vapor pressure of more than 300 kPa at a temperature of 50 °C, with the exception of formaldehyde (CAS number 50-00-0, EC number 200-001-8).

10. This entry does not apply to the placing on the market of a mixture intended for tattooing or to the use of a mixture for the purposes of tattooing when it is placed on the market exclusively as a medical device or an accessory to a medical device within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or accessory to a medical device in the same sense. When the placing on the market or use may not be exclusively as a medical device or accessory to a medical device, the requirements under Regulation (EU) 2017/745 and under this Regulation shall apply cumulatively.

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. 1)	100	200	56)

Notation

56) Hazardous to the aquatic environment in the category Acute hazard, category 1 or Chronic hazard, category 1

Deco-Paint Directive

VOC content	100 %
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Directive on industrial emissions

VOC content	100 %
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Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)



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Not listed

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

Not listed

Water Framework Directive (WFD)

Not listed

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.

The following restrictions are applicable according to Annex XVII to Regulation (EC) No. 1907/2006 of REACH

3. Liquid substances or mixtures which are regarded as dangerous set out in Annex I to Regulation (EC) No 1272/2008	Santalum Spicata Wood Oil, Alpha Santalol, Beta-Santalol, Alpha-Bergamotol, -Trans-Nerolidol, Epi-Beta-Bisabolol, B-Bisabolene, Farnesol, Eugenol, Limonene
3a. Substances or mixtures meeting the criteria for any of the following hazard classes or categories listed in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8, type A and B, 2.9 , 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15	Limonene
3.b. Substances or mixtures meeting the criteria for any of the following hazard classes or categories listed in Annex I to Regulation (EC)	Santalum Spicata Wood Oil, Alpha Santalol, Beta-Santalol, Alpha-Bergamotol, -Trans-Nerolidol, Epi-Beta-Bisabolol, B-Bisabolene, Farnesol, Eugenol, Limonene



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No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	
3.c. Substances or mixtures meeting the criteria for any of the following hazard classes or categories listed in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Santalum Spicata Wood Oil, Beta-Santalol, -Trans-Nerolidol, Epi-Beta-Bisabolol, Farnesol, Limonene

National inventories

State	List	Status
AU	AICS	the substance is entered
CA	DSL	the substance is entered
CN	IECSC	the substance is entered
EU	ECSI	the substance is entered
EU	REACH Reg.	the substance is entered
NZ	NZIoC	the substance is entered
PH	PICCS	the substance is entered
TW	TCS	the substance is entered

Legend

AICS	Australian Inventory of Chemical Substances
DSL	Domestic Substances List (DSL)
ECSI	EC list of substances (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory

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]

Specifying the changes : **Change of allergens and additional information about the product based on gas-chromatographic analysis and latest changes.**

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)
Aquatic Acute 1	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
Eye irrit.	Eye irritation
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
H315	Causes skin irritation
H317	May cause allergic skin reaction
H319	Causes serious eye irritation
H410	Very toxic to aquatic life
EUH208	Contains alpha-Bulnesene, Patchoulol, Eugenol, Isoeugenol, Limonene, Linalool, Beta-Caryophyllene. May cause allergic reaction.
List of instructions for safe treatment, used in the safety document	
P102	Keep away from children
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Use protective gloves/protective clothing/protective goggles/protective facial mask.
P302 + P352	IF ON SKIN: Wash with plenty of water/soap
P305+P351+P338	IF CONTACT WITH EYES: Rinse thoroughly with water for several minutes. Remove the contact lenses if there are such and if possible. Continue rinsing.
P333 + P313	In case of skin irritation or skin rash: Seek medical advice / assistance.
P363	Wash contaminated clothing before reuse
P391	Collect the spillage.
P501	Dispose of the content / container in an approved for disposal place in compliance with the local and national regulations.

Other information	:	<p>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.</p> <p>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.</p>
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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.

E N D!



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LIST OF 26 ALLERGEN SUBSTANCES / ANNEX III TO REGULATION (EC) NO 1223/2009

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 Sandalwood Oil (Santalum Spicata Wood Oil) –
v.03/21.11.2023**

	NAME OF SUBSTANCES	CAS No.	NATURAL %	SYNTHETIC %	TOTAL %
1	AMYL CINNAMAL	122-40-7	-	-	-
2	AMYLCINNAMYL ALCOHOL	101-85-9	-	-	-
3	ANISE ALCOHOL	105-13-5	-	-	-
4	BENZYL ALCOHOL	100-51-6	-	-	-
5	BENZYL BENZOATE	120-51-4	-	-	-
6	BENZYL CINNAMATE	103-41-3	-	-	-
7	BENZYL SALICYLATE	118-58-1	-	-	-
8	CINNAMAL	104-55-2	-	-	-
9	CINNAMYL ALCOHOL	104-54-1	-	-	-
10	CITRAL	5392-40-5	-	-	-
11	CITRONELLOL	106-22-9	-	-	-
12	COUMARIN	91-64-5	-	-	-
13	EUGENOL	97-53-0	0,05	-	0,05
14	FARNESOL	4602-84-0	15,0	-	15,0
15	ALPHA-ISOMETHYL IONONE	127-51-5	-	-	-
16	GERANIOL	106-24-1	-	-	-
17	HEXYL CINNAMAL	101-86-0	-	-	-
18	HYDROXYCITRONELLAL	107-75-5	-	-	-
19	ISOEUGENOL	97-54-1	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	80-54-6	-	-	-
21	LIMONENE	5989-27-5	0,05	-	0,05
22	LINALOOL	78-70-6	-	-	-
23	HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	31906-04-4	-	-	-
24	METHYL 2-OCTYNOATE	111-12-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)	90028-67-4	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	90028-68-5	-	-	-
27	SANTALOL	11031-45-1	45,0	-	45,0

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 in Article 6(1)(g) when its concentration exceeds:—
0,001 % in “leave-on” products, (and)— **0,01 %** in “rinse-off” products