



**ALTEYA**<sup>®</sup>  
o r g a n i c s

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## MATERIAL SAFETY DATA SHEET

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

### Organic Spearmint Oil

Version 1.0: first edition      Date of creation: 15.04.2022      Date of printing: 15.04.2022

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

##### 1.1. Product Identifiers

Trade name	:	Organic Spearmint Oil
Substance name (INCI)	:	MENTHA VIRIDIS LEAF OIL
Botanical name	:	Mentha spicata L.
CAS №	:	84696-51-5 / 8008-79-5
EO №	:	283-656-2 / -
Biological origin	:	Obtained from the flowering aerial parts of grasses of the genus Mentha of the family Lamiaceae. M. spicata Huds = M. viridis L. - spear mint, curly mint.

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

Use of substance/mixture	:	For use in the food industry, 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	:	May cause serious 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](mailto: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 to GHS				
Chapter	Subsection	Class of hazard	Class of hazard and category of hazard	Hazard statements
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.3	Eye	Eye irritation	(Corrosion)Damage/Irritation. 2A	H319
3.4	Sens.	Sensitization — skin	(Skin sens 1)	H317
4.1	Chronic	Hazardous to the aquatic environment	Aquatic Chronic 2	H411

#### 2.1.2. Additional information:

For the full text of hazard statements and EU hazard statements: see SECTION 16.

### 2.1. Label Elements

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

#### Hazard pictograms



GHS08 GHS07 GHS09

Signal word

: Hazardous

Hazard statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

Hazardous statements concerning environment

: H411 Toxic to aquatic organisms with a long-lasting effect



EUH 208 Contains carvone (> 50%), limonene, pinene, linalool. May cause an allergic reaction.

### Safety recommendations

Safety recommendations

P102 Keep out of reach of children

Safety recommendations

- Prevention :

P261 Avoid breathing vapours.  
P264 Thoroughly wash hands after handling.  
P273 Avoid release to the environment.  
P280 Use protective gloves/protective clothing /protective goggles/protective facial mask.

Safety recommendations

- As a reaction :

P305+P351+P338 If in the eyes: Rinse carefully with water for several minutes. Remove contact lenses if there are such and if possible. Continue rinsing.  
P301+P310 IF SWALLOWED: Immediately call a doctor/physician.  
P331 Do NOT induce vomiting.  
P302 + P352 IF ON SKIN: Wash thoroughly with water/...  
P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention.  
P391 Collect spillage.

Safety recommendations

- If stored

P403+P235 Store in a well ventilated place. Keep cool.

At disposal :

P501 Dispose of contents / container at an approved disposal site in accordance with local and national regulations.


### 2.2. Other hazards

May cause skin irritation/allergy. A patch test is recommended.

The substance meets vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII

### 3. Composition/information on ingredients

#### 3.1. Substances

INGREDIENT	IDENTIFIERS	%	CLASSIFICATION
MENTHA VIRIDIS LEAF OIL	EINECS NO: 283-656-2 / - CAS NO: 84696-51-5 / 8008-79-5	100,0	 DANGER Skin Irrit. 2 – H315



			<i>Skin Sens. 1B H317</i> <i>Eye Irrit. 2 - H319</i> <i>Aquatic Chronic 2 H411</i>
CARVONE	EINECS NO: 229-352-5 CAS NO: 6485-40-1	> 50,0	<i>Aquatic Acute 3 H402</i> <i>Skin Sens. Cat.1, H317</i> <i>Skin Irrit. 3 H316</i> <i>Acute Tox Oral 4.; H302</i> <i>Acute Tox. 5 H313</i>
$\alpha$ -PINENE	EINECS NO: 232-077-3 CAS NO: 7785-26-4	< 0,4	<i>Flam. Liq. 3, H226</i> <i>Asp. Tox. 1, H304</i> <i>Skin Irrit. 2, H315</i> <i>Skin Sens. 1, H317</i> <i>Aquatic Acute 1, H400</i>
<i>b</i> -PINENE	EINECS NO: 204-872-5 CAS NO: 127-91-3	< 0,3	<i>Flam. Liq. 3, H226</i> <i>Asp. Tox. 1, H304</i> <i>Skin Irrit. 2, H315</i> <i>Skin Sens. 1, H317</i> <i>Aquatic Acute 1, H400</i>
BETA - MYRCENE	EINECS NO: 204-622-5 CAS NO: 123-35-3	< 0,2	<i>Flam. Liq. 3 - H226</i> <i>Asp. Tox. 1, H304</i> <i>Skin Irrit. 2 – H315</i> <i>Eye Irrit. 2 - H319</i>
LIMONENE	EINECS NO: 227-813-5 CAS NO: 5989-27-5	5,0 – 20,0	<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>
P-CYMENE	EINECS NO: 202-796-7 CAS NO: 99-87-6	1,05	<i>Flam. Liq. 3, H226</i> <i>Acute Tox. 4, H302</i> <i>Asp. Tox. 1, H304</i> <i>Skin Irrit. 2, H315</i> <i>Aquatic Chronic 2, H411</i>
ISOMENTONE	EINECS NO: 207-727-4 CAS NO: 491-07-6	< 1,0	<i>Flam. Liq. 4 H227</i> <i>Skin Irrit. 2 – H315</i> <i>Skin Sens. 1 – H317</i>
Terpinene-4-ol	EINECS NO: 209-235-5 CAS NO: 562-74-3	< 0,1	<i>Acute Tox. 4, H302</i> <i>Skin Irrit. 2, H315</i> <i>Eye Irrit. 2, H319</i> <i>STOT SE 3, H335</i>
LINALOOL	EINECS NO: 201-134-4 CAS NO: 78-70-6	0,01 – 0,2	<i>Eye Irrit. 2A (H319)</i> <i>Skin Sens. 1B (H317)</i> <i>Skin Irrit. 2 (H315)</i>
PIPERITONE	EINECS NO: 201-942-7 CAS NO: 89-81-6	< 0,1	<i>Skin Irrit. Cat.2, H315</i> <i>Eye .irrit, Cat. 2A; H319</i>



## 4. First Aid Measures

### 4.1. Description of first aid measures



- General notes : In case of unwellness, in all cases of doubt, seek medical attention (Show this safety data sheet to the attending physician if possible). If possible, show this sheet, if not available, show the package or label
- Following inhalation : Move the affected person to fresh air. In case of exposure to high concentrations: Get medical attention immediately.
- Following skin contact : Remove contaminated clothing immediately. Wash the skin thoroughly with soap and water for several minutes. In case of redness or irritation, call a doctor.
- Following eye contact : Immediately rinse with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses, if present and to the extent possible. Continue rinsing. Consult an ophthalmologist.
- Following ingestion : Rinse the mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

- Following skin contact : Repeated contact can cause allergic dermatitis.
- Following eye contact : May cause eye irritation and corneal damage if not rinsed immediately.
- Following inhalation : Inhalation of high vapor concentrations may cause an anesthetic effect.
- Following ingestion : Not expected route of exposure.

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

- Treatment : Treat symptomatically.



## 5. Fire-fighting Measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam, dry chemical or carbon dioxide

Unsuitable extinguishing media : Water jet

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

Specific hazards during fire-fighting : Thermal decomposition may release irritating and toxic gases and vapours. Hazardous combustion products: In case of burning, toxic substances may be released.

### 5.3. Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as needed. Do not allow runoff from contaminated fire extinguishing material to enter sewers, surface or ground water.

Additional information : In case of fire and/or explosion, do not breathe fumes.

## 6. Accidental Release Measures

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

#### 6.1.1. For personnel not responsible for emergencies

Avoid contact with skin and eyes. Avoid inhalation of vapors.

There is a risk of slipping on the area with the spilled product. Thoroughly wash the spill site. Avoid contact with eyes. Use protective gloves, masks, protective clothing, shoes with grip. Provide adequate ventilation, especially in confined spaces.

Stop the leak if you can do so without risk. Follow the instructions in Sections 7,8 and 13.

*For firefighters:* Firefighters will be equipped with appropriate personal protective equipment (see section 8). High temperature may increase the pressure in the container - cool the container by spraying water.

#### 6.1.2. For the persons responsible for emergencies



Personal precautions : Only qualified personnel, equipped with appropriate protective equipment, may interfere: Maintain good occupational and personal hygiene.

## 6.2. Environmental precautions

Environmental precautions : Do not dispose directly into water bodies, drains and sewers, do not pollute the soil. In case of penetration into water or sewerage, inform the competent authorities.

## 6.3. Methods and materials for containment and cleaning up

6.3.1. For containment : Swab up with hygroscopic material (sand, kieselguhr, universal binder, sawdust). Dispose of contaminated material as waste according to section 13. Provide adequate ventilation.

6.3.2. For cleanup : Pump larger amounts. Collect in tightly closed containers and dispose of according to the instructions in Section 13. After removing the product, wash the contaminated area with plenty of water.

### Small spills:

Wipe with an absorbent material (e.g. cloth, fleece).  
Clean the surface well until removing residual contamination.

## 6.4. Reference to other sections

See section 7, 8 and 13.

## 7. Handling and Storage

### 7.1. Precautions for safe handling

Precautions : Ventilate the storage warehouse. Work in accordance with the rules of industrial hygiene and safety techniques. Wear appropriate protective clothing. Always wash hands after work.

Fire-fighting measures : Electrical equipment must be grounded and comply with requirements. Keep away from heat. Keep away from sources of ignition. All equipment used in handling the product must be grounded.

Measures to avoid transformation into





- aerosols and powder : Provide good ventilation or exhaust in the workplace.
- Hygienic measures : Wash hands before breaks and at the end of the workday.  
Avoid contact with eyes and skin.

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

- Technical measures and storage conditions : Stored in tightly closed original packaging (suitable – steel with a special coating, aluminum, glass) in a cool place, at a temperature of 15-25°C, away from heat sources and direct sunlight. Limit contact with air.
- Incompatible materials : No information available
- Packing materials : It is recommended that the product is stored in barrels or other containers with an internal varnish coating that does not react with the oil.
- Storage class : No information available
- Additional information on storage conditions : In the presence of air and heat, raw spearmint oils age faster due to oxidation of menthofuran and polymerization processes.
- Recommendations for fire and explosion protection : Keep away from sources of ignition and open flame.
- Recommendations for primary storage : Apply good manufacturing practices and industrial hygiene practices by ensuring proper ventilation in the workplace. Observe good personal hygiene and do not eat, drink or smoke while working.

**It is recommended to observe the packaging and storage conditions according to ISO/TS 210:2015.**

## 7.3. Specific end use(s)

- Recommendations : Read the label before use.
- Solutions specific to the industrial sector : No information available.





Specific use(s) : Used in perfumery and cosmetics by itself or as a formulation constituent, included in a 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

(R)-p-Mentha-1,8-diene - Index: NA, CAS: 5989-27-5, EC No: 227-813-5  
TLV TWA - TLV STEL- VLE 8h- VLE short: None.

#### Occupational exposure limit values based on the GESTIS international limit values database

##### D-Limonene

<i>France</i> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	<i>Germany</i> TWA: 5ppm STEL: 1500 mg/m <sup>3</sup> TWA: 28 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m <sup>3</sup>
<i>Finland</i> TWA: 25ppm - TWA: 140 mg/m <sup>3</sup> STEL: 50ppm STEL: 280 mg/m <sup>3</sup>	<i>Switzerland</i> TWA: 25ppm - TWA: 140 mg/m <sup>3</sup> TEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>

#### Other occupational exposure limits

#### Information on monitoring procedures

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

**DERIVED NO EFFECT LEVEL (DNEL) OR DERIVED MINIMUM EFFECT LEVEL (DMEL):**

**LINALOOL(CAS:78-70-6)**

FINAL USE:

WORKERS.



<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>SHORT TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>5MG/KG BODY WEIGHT/DAY</i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>SHORT TERM LOCAL EFFECTS.</i>
<i>DNEL:</i>	<i>15MG OF SUBSTANCE/CM<sup>2</sup></i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>LONG TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>2.5MG/KG BODY WEIGHT/DAY</i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>LONG TERM LOCAL EFFECTS.</i>
<i>DNEL:</i>	<i>15MG OF SUBSTANCE/CM<sup>2</sup></i>
<i>EXPOSURE METHOD:</i>	<i>INHALATION.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>SHORT TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>16.5MG OF SUBSTANCE/M<sup>3</sup></i>
<i>EXPOSURE METHOD:</i>	<i>INHALATION.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>LONG TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>2.8MG OF SUBSTANCE/M<sup>3</sup></i>
<i>FINAL USE:</i>	<i>CONSUMERS.</i>
<i>EXPOSURE METHOD:</i>	<i>INGESTION.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>SHORT TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>1.2MG/KG BODY WEIGHT/DAY</i>
<i>EXPOSURE METHOD:</i>	<i>INGESTION.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>LONG TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>0.2MG/KG BODY WEIGHT/DAY</i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>SHORT TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>2.5MG/KG BODY WEIGHT/DAY</i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>SHORT TERM LOCAL EFFECTS.</i>
<i>DNEL:</i>	<i>15MG OF SUBSTANCE/CM<sup>2</sup></i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>LONG TERM SYSTEMIC EFFECTS.</i>
<i>DNEL:</i>	<i>1.25MG/KG BODY WEIGHT/DAY</i>
<i>EXPOSURE METHOD:</i>	<i>DERMAL CONTACT.</i>
<i>POTENTIAL HEALTH EFFECTS:</i>	<i>LONG TERM LOCAL EFFECTS.</i>
<i>DNEL:</i>	<i>15MG OF SUBSTANCE/CM<sup>2</sup></i>
<i>EXPOSURE METHOD:</i>	<i>INHALATION.</i>



POTENTIAL HEALTH EFFECTS: *SHORT TERM SYSTEMIC EFFECTS.*  
DNEL: *4.1MG OF SUBSTANCE/M<sup>3</sup>*

EXPOSURE METHOD: *INHALATION.*  
POTENTIAL HEALTH EFFECTS: *LONG TERM SYSTEMIC EFFECTS.*  
DNEL: *0.7MG OF SUBSTANCE/M<sup>3</sup>*

**PREDICTED NO EFFECT CONCENTRATION (PNEC):**  
**LINALOOL(CAS:78-70-6)**

ENVIRONMENTAL COMPARTMENT: *SOIL.*  
PNEC: *0.327MG/KG*

ENVIRONMENTAL COMPARTMENT: *FRESH WATER.*  
PNEC: *0.2MG/L*

ENVIRONMENTAL COMPARTMENT: *SEA WATER.*  
PNEC: *0.02MG/L*

ENVIRONMENTAL COMPARTMENT: *INTERMITTENT WASTE WATER.*  
PNEC: *2MG/L*

ENVIRONMENTAL COMPARTMENT: *FRESH WATER SEDIMENT.*  
PNEC: *2.22MG/KG*

ENVIRONMENTAL COMPARTMENT: *MARINE SEDIMENT.*  
PNEC: *0.222MG/KG*

ENVIRONMENTAL COMPARTMENT: *WASTE WATER TREATMENT PLANT.*  
PNEC: *10MG/L*

## 8.2. Exposition controls

### 8.2.1. Appropriate engineering control

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

The description of appropriate exposure control  
measures refers to the identified use(s) of the substance  
or mixture specified in subsection 1.2.

If appropriate, isolate mixing rooms and other areas  
where this material is used or openly handled. Apply a  
local exhaust system or maintain these areas at negative  
air pressure in relation to the remainder of operation.



### 8.2.2. Personal protective equipment:

Use personal protective equipment that is clean and  
properly maintained. Store personal protective  
equipment in a clean area away from the work area.  
Never eat, drink or smoke during use. Remove and  
launder contaminated clothing before reuse.



8.2.2.1. Eyes and face protection: Avoid contact with eyes.  
Use eye protection (safety glasses in accordance with the EN166 standard) designed to protect against liquid splashes.

#### 8.2.2.2. Skin protection

Hand protection : Avoid skin contact. Use chemically resistant gloves in accordance with standard EN374) in case of prolonged or repeated skin contact. Recommended glove type: nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR) or PVA (polyvinyl alcohol).

Body protection: Work clothing worn by staff must be washed regularly. After contact with the product, all parts of the body that have been contaminated should be washed.

8.2.2.3. Respiratory tract protection : Use local exhaust ventilation around open containers and other sources of potential exposure to avoid excessive inhalation. Respiratory protection is not required during normal workplace operations where engineering controls such as adequate ventilation etc. are implemented and functioning properly.

8.2.2.4. Thermal hazards : No data available.

8.2.2.5. Other protection : Non-slip safety shoes may be worn in case of spills.

Training measures required to avoid exposure : Staff training as per internal schedule.

Organization measures to avoid Exposure : Staff training

Technical measures to avoid Exposure : Staff training

#### Environmental exposure controls

Basic guidelines : Do not wash-off into surface water or sewage system

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties



Appearance/type	:	easily mobile liquid
Colour	:	colorless or light yellow to yellow
Odour	:	Characteristic, dense and strong smell of carvone
Odor threshold	:	no current information available
Taste	:	Slightly cooling
Solubility in 80% ethanol	:	1 : 1
pH value	:	No information available
Carvone content, in %	:	51,40
Carbonyl number, mg KOH/g	:	min.200
Melting point	:	< -20°C /Echa dossier/
Boiling point or initial boiling point and boiling range	:	No information available
Flammability	:	No information available
Explosivity	:	not classified as explosive
Lower and upper limit of explosivity	:	No information available
Ignition temperature °C	:	79,0
Boiling point	:	101 °C /Echa dossier/
Auto-ignition temperature	:	275°C at atmospheric pressure 993.5-999.9hPa /Echa dossier/
Decomposition temperature	:	No information available
Solubility (s)	:	Soluble in benzyl benzoate, diethyl phthalate and vegetable oils, slightly soluble in propylene glycol and mineral oils
Insoluble in	:	water, glycerin



Partition coefficient n-octanol/water (logarithmic value)	:	The constituents of the substance have log Kow in the range from 2.73 to 6.99. 19.29% of the known composition has log Kow >4. /Echa dossier/
Vapor pressure	:	60.36 Pa at 25°C L-Carvone: 15.33 Pa at 25°C /Echa dossier/
Particle characteristics	:	Not applicable

## 9.2. Other information

Refraction index  
at n<sup>20</sup>/d : 1.470 - 1.491 |

Relative density  
at d<sup>20</sup> : 0.918 - 0.965 |

Optical rotation in ° : -70.0 до -55.0 |

No other information available

### 9.2.1. Information related to physical hazard classes

Note : No information available |

## 10. Stability and Reactivity

### 10.1. Reactivity

Note : There are no hazards to be specifically mentioned. |

### 10.2. Chemical stability

Note : Stable under normal conditions and recommended storage under recommended conditions. |

### 10.3. Possible hazardous reactions

Hazardous reactions : Does not present a significant reactivity hazard alone or in contact with water. Avoid contact with strong acids, alkalis or oxidizing agents. |



## 10.4. Conditions to avoid

Conditions to avoid	:	Do not store in the immediate vicinity of heat, sparks, open flame, oxidizing agents.
Thermal decomposition	:	no data

## 10.5. Incompatible materials

Materials to avoid	:	Strong oxidizing agents.
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## 10.6. Hazardous decomposition products

Hazardous decomposition products	:	Carbon monoxide and unidentified organic compounds may be formed during combustion.
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## 11. Toxicological Information

### 11.1. Information on toxicological effects

*Basic information: The information presented in this section doesn't belong to the product itself but results from the toxicity data of its components*

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#### Acute toxicity

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Method	:	LD50
Species	:	rat
Routes of exposure	:	oral
Effective dose	:	2426 mg/kg
Duration of exposure	:	-

*D-Limonene(Cas:5989-27-5)*

*Oral Route:Ld50= 4,400 - 5,10mg/Kg*

*Species :Rat*

*LINALOOL(CAS:78-70-6)*

*ORAL ROUTE: LD50=2200MG/KG*

*SPECIES: MOUSE*

*OECDGUIDELINE 401(ACUTE ORAL TOXICITY)*

*D-LIMONENE(CAS:5989-27-5)*

*ORAL ROUTE: LD50= 4,400 - 5,10MG/KG*

*SPECIES : Rat*

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#### Corrosion/Skin irritation

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*D-LIMONENE(CAS:5989-27-5)*

*ORAL ROUTE: LD50= > 5000MG/KG*

*SPECIES : Rabbit*





*D-LIMONENE(CAS:5989-27-5)*

*ORAL ROUTE: LD50= > 5,600 - 6000MG/KG*

*SPECIES : Mouse*

*LINALOOL(CAS:78-70-6)*

*Dermal Route:Ld50=5610mg/Kg*

*Species: Rabbit, Oecdguideline 402(Acute Dermal Toxicity)*

*LINALOOL(CAS:78-70-6)*

*Irritation:Average Score =1.85*

*Effect Observed : Erythema Score, Species : Rabbit*

*Duration Of Exposure : 24hoecdguideline 404(Acute Dermal Irritation /Corrosion)*

Notes : Causes skin irritation.

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### Serious damage/eye irritation

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Result : Serious eye irritation.

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### Respiratory or skin sensitization

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Note : May cause sensitization at skin contact due to the presence of allergens. May cause an allergic reaction.

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### Ingestion

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Note : no data

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### Mutagenicity of germ cells

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Note : no data

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### Carcinogenicity

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

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### Summary of the assessment of CMR properties

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Note : no data

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### STOT (specific target organ toxicity) — single exposure

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Note : no data

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### **STOT (specific target organ toxicity) — repeated exposure**

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Note : no data

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### **Aspiration hazard**

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Note : Breathing high vapor concentrations may cause anesthetic effects.

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### **Information on possible routes of exposure**

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Note : Dermal

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

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Note : Eye irritation upon exposure. Redness of the skin.

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

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Note : Toxicological characteristics are not comprehensively studied

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### **Interactions**

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Note : Toxicological characteristics are not comprehensively studied

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### **Lack of specific data**

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Note : Toxicological characteristics are not comprehensively studied

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### **Mixtures**

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Note : Toxicological characteristics are not comprehensively studied

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### **Medical considerations**

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Note : Individuals with a rash are referred to a skin specialist for an allergic eczema testing.



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**Other information**

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Note : Toxicological characteristics are not comprehensively studied

**11.2. Properties disturbing the functions of the endocrine system**

Note : No information available

**12. Ecological information**

Note : No information available

**12.1. Toxicity**

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**Product:**

---

**Acute (short-term) toxicity:**

---

**Fish**

---

*LINALOOL(CAS:78-70-6)*

*Fish toxicity: duration of exposure :96h, Lc50=27.8mg/l*

*Species :oncorhynchus mykiss, Oecdguideline 203(fish,acute toxicity test)*

---

**Toxic for Daphnia and other aquatic invertebrates**

---

Note : no data

---

**Algae/aquatic plants**

---

Note : no data

---

**Bacteria**

---

Note : no data

---

**Chronic (long-term) toxicity:**

---

Note : no data

---

**Fish**

---

Note : no data

---

**Shellfish**

---



---

---

Note : no data

---

**Algae/water plants**

---

Note : no data

---

**Other organisms**

---

Note : no data

---

**12.2. Persistence and degradability**

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**Product:**

---

**Abiotic degradation**

---

**Mixture components degradation**

---

Note : no data

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**Physical and photo-chemical elimination**

---

Note : no data

---

**Biochemical degradation**

---

Note : Biodegradation is expected

---

**12.3. Bioaccumulation**

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**Product:** no data available

**Bioaccumulative capacity of the mixture components:**

*DL-lemon 138-86-3      Log KOW      4,57*

---

**Bioconcentration factor (BCF)**

---

Notes : Not accumulated in the biological environment



## 12.4. Mobility in soil

### Product:

#### Known or predicted distribution in environmental components

Note : no data

#### Surface tension

Note : no data

#### Adsorption/desorption

Note : no data

## 12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered persistent, bioaccumulative, nor toxic PBT.

### Product:

#### Results from PBT and vPvB assessment

Notes : No information available

## 12.6. Other adverse effects

### Product:

#### Biochemical oxygen demand (BOD)

Value : No information available

#### Chemical oxygen demand (BOD)

Value : No information available

#### Additional ecological information/Mobility in soil

Notes : No information available

## 12.7. Additional information

Notes : Do not allow products to enter streams, drains or other waterways.

## 13. Disposal Considerations



## 13.1. Waste treatment methods

### 13.1.1. Disposal of product/packing

#### Codes/designation of waste according to LoW: -

Product	Dispose of in accordance with local and national requirements.
Contaminated packaging material	Dispose of as unused product. Do not pollute the soil, water or the environment with waste containers! Waste products should be treated in accordance with current local, national and European legislation.
European Catalogue waste number	* <b>16 03 05</b> organic waste containing hazardous substances

### 13.1.2. Information on waste

#### Treatment

Contact a licensed professional for disposal of this material.

### 13.1.3. Information on

#### discharge in sewer systems

Do not allow the product to enter streams, canals or other waterways.

## 14. Information on transportation



Transport icon :

**Class: 9 Miscellaneous dangerous substances and articles**

### 14.1. UN proper shipping name

3082

### 14.2. UN proper shipping name



*3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, O.V.O.*

### 14.3. Transport hazard class(es)

Class 9, Pack,gr.III

### 14.4. Environmental hazards



#### 14.5. Special precautions for user

Not applicable

#### 14.6. Transport in bulk according to Annex II to MARPOL and IBC Code“

##### Road transport

ADR *Class 9, packing group III, UN 3082*

RID *Class 9, packing group III, UN 3082*

Tunnel code A, B, C, D

##### Waterway transport

ADN *Class 9, packing group III, UN 3082*

##### Maritime transport

IMDG *Class 9, packing group III, UN 3082*

Marine pollutant *Yes*

##### Air transport

IATA/CAO *Class 9, packing group III, UN 3082*

#### 15. Regulatory information

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

Other regulations /  
Laws *This safety data sheet is consistent with the Law on Protection from Harmful Effects of chemical Substances and Preparations and the Ordinance on the Classification, Packaging and Labelling*





EU legislative acts : accordingly, EU regulations.

Other legal acts, restrictions and prohibitive standards No information available

## 15.2. Chemical Safety Assessment

No information available.

The supplier had not prepared a chemical safety assessment for this substance/mixture.

## 16. Other information

Shelf life 2 years from the date of manufacture.

### 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)
Aquatic Chronic 2	dangerous for the aquatic environment - chronic danger
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



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

#### Main references and sources of data in the literature

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

- 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
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic organisms with a long-lasting effect
EUH 208	Contains carvone (> 50%), limonene, pinene. May cause an allergic reaction.
List of instructions for safe treatment, used in the safety document	
P102	Keep out of reach of children
P261	Avoid breathing vapours
P264	Thoroughly wash hands after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Use protective gloves/protective clothing/protective goggles /protective face mask.
P284	[In case of insufficient ventilation] Wear respiratory protection.
P305+P351+P338	IF CONTACT WITH EYES: Rinse thoroughly with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.



P301+P310	IF SWALLOWED: Immediately call a doctor/physician.
P331	Do NOT induce vomiting
P302 + P352	IF ON SKIN: Wash thoroughly with water/...
P333 + P313	In case of skin irritation or rash: seek medical advice/help
P391	Collect spillage
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents / container at an approved disposal site in accordance with 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 it 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 Data Sheet 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 Data Sheet, 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 Data Sheet 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**



**ALTEYA**<sup>®</sup>  
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**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.**

**END!**

ALTEYA<sup>®</sup> ORGANICS  
ПЪРВИЯТ БЪЛГАРСКИ ПРОИЗВОДИТЕЛ НА БИО СЕРТИФИЦИРАНА КОЗМЕТИКА



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

**Customer:** "ALTEYA ORGANICS" LLC – 1. "Rozovarna" St., Yagoda village, 6167, Stara Zagora

salesbg@alteya.com, http://alteya.com, +359 700 15 502

**Name of product:** Organic Spearmint Oil (VIRIDIS LEAF OIL)

NAME OF SUBSTANCES	REMARK	CAS №	EINECS №	NATURAL %	SYNTHETIC %	TOTAL %	
1	AMYL CINNAMAL	H317; H411	122-40-7	204-541-5	-	-	-
2	AMYL CINNAMYL ALCOHOL	H315; H317	101-85-9	202-982-8	-	-	-
3	ANISE ALCOHOL	H302; H318 H317	105-13-5	203-273-6	-	-	-
4	BENZYL ALCOHOL	H332; H302	100-51-6	202-859-9	-	-	-
5	BENZYL BENZOATE	H302	120-51-4	204-402-9	-	-	-
6	BENZYL CINNAMATE	H317; H411	103-41-3	203-109-3	-	-	-
7	BENZYL SALICYLATE	H317; H411	118-58-1	204-262-9	-	-	-
8	CINNAMAL	H312; H315 H317	104-55-2	203-213-9	-	-	-
9	CINNAMYL ALCOHOL	H317	104-54-1	203-212-3	-	-	-
10	CITRAL	H315; H317	5392-40-5	226-394-6	-	-	-
11	CITRONELLOL	H315; H317 H411	106-22-9	203-375-0	-	-	-
12	COUMARIN	H302; H317	91-64-5	202-086-7	-	-	-
13	EUGENOL	H319; H317	97-53-0	202-589-1	-	-	-
14	FARNESOL	H315; H319	4602-84-0	225-004-1	-	-	-
15	ALPHA-ISOMETHYL IONONE	H412	127-51-5	204-846-3	-	-	-
16	GERANIOL	H315; H317	106-24-1	203-377-1	-	-	-
17	HEXYL CINNAMAL	H317;	101-86-0	202-983-3	-	-	-
18	HYDROXYCITRONELLAL	H319; H317	107-75-5	203-518-7	-	-	-
19	ISOEUGENOL	H312; H302 H319; H315 H317	97-54-1	202-590-7	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	H317	80-54-6	201-289-8	-	-	-
21	LIMONENE	H226; H315 H317; H411	5989-27-5	227-813-5	5,0 – 20,0	-	5,0 – 20,0
22	LINALOOL	H315	78-70-6	201-134-4	0,01 – 0,2	-	0,01 – 0,2
23	HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	H317	31906-04-4	250-863-4	-	-	-
24	METHYL 2-OCTYNOATE	H302; H317	111-12-6	203-836-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREETMOSS EXTRACT)	H317	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	H317	90028-68-5	289-861-3	-	-	-

**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