



ALTEYA[®]
o r g a n i c s

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MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1272/2008 and
Commission Regulation (EU) No 286/2011 of 10.03.2011

Lavender essential oil

Version 02

Date: 01.02.2017

Print date: 01.02.2017

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

1.1. Product Identifier

Trade name : Lavender essential oil

Registration No : -

Substance name (INCI) : LAVANDULA ANGUSTIFOLIA OIL

Substance No : -

CAS No : 8000-28-0/ 90063-37-9

EINECS : -, 289-995-2

Biological origin : Obtained by steam distillation of the flowering racemes of narrow-leaved lavender (*Lavandula angustifolia* Mill = *L. officinalis* Ch.), family Lamiaceae, and subsequent separation of water from oil.

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

Use of the substance/ : For application in perfumery and

Mixture cosmetics independently, aromatherapy, or as recipe component included in compositions.

Recommended restrictions on use : No data

1.3. Details of the supplier of the safety data sheet

Company/manufacturer : ALTEYA ORGANICS OOD
City of Stara Zagora, bul. Nikola Petkov No 45-4-22
Tel.: +359,042,653,085

Information

(safety of the product) :

ALTEYA ORGANICS OOD
City of Stara Zagora
bul. Nikola Petkov No 45-4-22
Tel.: +359 042 653 085

E-mail : salesbg@alteya.com

Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov

Tel.: +359 2 9154409; +359 9154 346; Fax: 02 9154409

e-mail: poison_centre@mail.orbitel.bg

<http://www.pirogov.net>

2. Hazards Identification



2.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008

Acute toxicity (oral), Category 2	H302: Harmful if swallowed
Skin irritation, Category 2, Skin	H315: Causes skin irritation
Skin sensitization, Hazard category 1	H317: May cause allergic skin reaction
Eye irritation, Category 2, Eyes	H319: Causes serious eye irritation
Hazardous to aquatic environment harmful hazard, Category 4	- Chronic H413: May cause long lasting effects to aquatic life

2.2. Label Elements

Designation (Regulation (EC) No 1272/2008

Hazard pictograms :		
	GHS07	GHS09
Signal word :	Attention	Harmful to environment
Content of components presenting hazard :	LINALOOL, LIMONENE	
Hazard statements :	H302	Harmful if swallowed
	H315	Causes skin irritation
	H317	May cause allergic skin reaction
	H319	Causes serious irritation to eyes
	H413	May cause long lasting harmful effects to aquatic life
Precautionary statements :	Protection:	
	P102	Keep out of reach of children
	P273	Avoid release to the environment
	P301+330	If swallowed: rinse mouth.
	P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact contact lens, if present and easy to do. Continue rinsing.
	P333+P313	If eye irritation or rash of the skin persists: Get medical
		advice/attention.
	P405	Store locked up.

2.3. Other hazards

No additional data available.

3. Composition/Information on Ingredients

3.1. Substances

Chemical name	CAS No	EINECS/ ELINCS No	Concentration/ Concentration limits (w/w%)	Classification Regulation (EC) No 1272/ 2008

Lavandula Angustifolia Oil	8000-28-0 / 90063-37-9	- / 289-995-2	up to 100%	H302; H315; H317 H319; H413;
Linalyl acetate Linalylacetate	115-95-7	204-116-4	38.5 – 52.5	H315 H319 H412
Linalool Linalool	78-70-6	201-134-4	19.1 – 31.8	H315 H317 H319
Limonene Limonene	5989-27-5	227-813-5	0.2 – 0.8%	H226 H315 H317 H400 H410
Ocimene Ocimene	13877-91-3	237-641-2	0.5 – 7.5	H226 H302 H317 H412
Terpinen-4-ol Terpinen-4-ol	562-74-3	209-235-5	up to 6.8	H302 H319 H315

4. First Aid Measures

4.1. Description of first aid measures

General notes : If you feel unwell, seek medical advice
(show the label if possible)

Following inhalation : No data

Following eye : Rinse with cool running water. If symptoms
contact of skin irritation appears (reddening), get
medical aid

Following eye : Rinse immediately with plenty of water, also under
contact the eyelids for at least 5 minutes.
If symptoms persist, call for a doctor.

Following ingestion : Seek medical attention immediately and
show the container or label.
Do not give anything orally to unconscious
patient and do not induce vomiting.

If the patient is conscious, rinse the mouth drinking water.

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

Symptoms : No additional data available

Effects : No additional data available

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

Treatment : Mandatory medical aid if swallowed.
No specific antidote. Treatment is symptomatic.
No additional data available

5. Fire-fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media : Use water jet, alcohol free foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : Unknown

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire fighting : In case of fire the quenched material has to be restrained. Do not allow the used water to enter the sewerage system.

5.3. Advice for firefighters

Special protective equipment for firefighters : Wear personal protective equipment, autonomous breathing apparatus, complete protective clothing, appropriate to fight chemical fires. Clean thoroughly the firefighting equipment after the incident, as well as the clothing used.

additional information : No data available.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment. Remove people from the spill/leak in upwind.
Take measures to ensure supply of clean air in closed premises.
Avoid formation of dust. For personal protection see Section 8.

6.2. Environmental precautions

Environmental pre-cautions : Do not dispose of the product and/or drains, waterways and water systems.

In case of incident and/or spillage of the product, take measures to localize or contain it. In case of large spills: contain the spill with inert absorbent materials (such as sand, earth, diatomaceous earth); collect and place the spilled amount in container for temporary storage, and thereafter deliver it to persons having permit under the procedure of Article 37 of the Law on Waste Management (LWM).

In case of small spills: dilute with plenty of water and rinse. Treat the collected amounts as waste - keep temporarily them in special, labeled containers, and deliver them to persons having permit under Article 37 of the Law on Waste Management.

In case of spillage into drains, surface and underground waters, soil, please notify the competent authority, i.e. the Regional Inspectorate of Environment and Waters.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : In case of large spills: Contain the spill with inert absorbent materials (sand, earth, diatomaceous earth). Collect and place the spilled amount in a container for temporary storage, thereafter deliver to persons having permit under the procedure of Article 37

LWM.

and

In case of small spills: Dilute with plenty of water
rinse. Treat the contaminated materials
as waste according to Point 13

6.4. Reference to other sections

For personal protection, see Section 8.

7. Handling and Storage

7.1. Precautions for safe handling

Instructions for safe handling	:	Handle in conformity with the industrial hygiene and safety regulations. Avoid eye contact. In an emergency, wash abundantly the eyes and a shower should be immediately available.
Hygienic measures	:	Keep tightly closed in dry and cool place. Immediately remove clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to storage spaces and containers	:	Store in its original packing only.
Recommendations for prevention of fire and explosions	:	None known
Class of dust explosion	:	No data available
Additional information of conditions of storage	:	Keep the container tightly closed. Store in dry place. Avoid moisture. Avoid wetting.
Recommendations for primary storage	:	Incompatible with acids and bases.

7.3. Specific end use(s)

Specific use(s): For raw material in the manufacture of perfumery-and-cosmetic products.

8. Exposure Controls/Personal Protection

8.1. Control parameters

Other occupational exposure limits

— (Additional) : Does not contain substances for which there are standards
of information : data available at workplace.

8.2. Exposure controls

Engineering measures

For the listed protective measures, refer to Sections 7 and 8.

Personal protective equipment

Protection of respiratory airways

Advice : In case of insufficient ventilation, wear
suitable respiratory protection.
Recommended filter type: P

Hand protection

Advice : Wear suitable gloves.
The material from which the gloves are made should
be impermeable and resistant to the material
/substance/mixture.
No tests are performed as a result of which to give
recommendations of what material
the gloves for this product/substance/mixture should
be made of.
The selection of suitable gloves depends not only on
the material, but also on the additional signs of
quality, which are different for the individual
producers.
Data of the proper penetration time must be taken
from the manufacturer of the protective gloves, and
must be observed.

Eye protection

Advice : During handling protect the eyes

Skin and body protection

Advice : Wear suitable protective clothing

Environmental exposure controls

General notes : Do not discharge into surface waters and sewage

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : readily movable transparent liquid

Colour : Pale yellow

Odour : Fresh flowery, characteristic - of lavender

Solubility in 75% ethanol 1:2 : complete

Content of esters, such as linalyl acetate, in % : 38.5 – 52.5

Odour threshold : presently we have no information from our supplier on this matter.

Acid number, mg KOH/g : up to 1.0

Ester number, mg KOH/g : 110-150

Melting point (range) : No data available

Boiling point : No data available

Flash point, in °C : 71.0

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative density of vapours : No data available

Thickness	:	No data available
Solubility in water	:	insoluble
Solubility in vegetable oils	:	soluble
Partition coefficient n-octanol/water	:	No data available
Flash temperature :		No data available
Thermal decomposition	:	No data available
Viscosity, cinematic	:	No data available
Explosivity	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

Refractive index	:	1.4590 – 1.4630
Relative density	:	0.8790 – 0.8880
Angle of rotation in °	:	from -6.8° to -10°

No additional data available.

10. Stability and Reactivity

10.1. Reactivity

Advice	:	Stable under the recommended storage conditions
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10.2. Chemical stability

Advice	:	Stable under normal conditions
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10.3. Possible hazardous reactions

Hazardous reactions	:	Incompatible with acids and bases.
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10.4. Conditions to avoid

Conditions to avoid : Excessive heat

Thermal decomposition : No data

10.5. Incompatible materials

Materials to avoid : No data

10.6. Hazardous decomposition products

Hazardous decomposition products : No data

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Oral

Type of value : LD50
Value : 5.040mg/kg
Biological species : mouse

Type of value : LD50
Value : 6.730mg/kg
Biological species : rat

Irritation to

Skin

Type of value : LD50
Value : 5.040mg/kg

Notes : May cause skin irritation with sensitive people

Eyes

Result : Irritant to eyes

Sensitization

Note : No data

Carcinogenicity

Note : No data

Mutagenic effects

Note : No data

Reproductive effects

Note : No data

Effects on growth

Note : No data

Teratogenicity

Note : No data

STOT - single exposure

Note : No data

STOT - repeated exposure

Note : No data

Aspiration hazard

Note : No data

Symptoms/effects, acute and delayed

Note : No data.

Other adverse effects

Note : Toxicological properties are not comprehensively

studied

12. Ecological Information

12.1. Toxicity

Product:

Acute toxicity

Fish

Biological species : Leuciscus idus
Exposure time : 96 h
Type of value : LC50
Value : 440 – 760 mg/l
Method : DIN 38412

Toxicity to daphnia and other aquatic invertebrates

Species Daphnia magna
Exposure period : 72 h
Type of value : EC50
Value : approx. 120 mg/l

Algae

Species Scenedesmus quadricauda (green algae)
Exposure period : 168 h
Type of value : EC0
Value : 640 mg/l

Bacteria

Biological species : Pseudomonas putida
Type of value : EC0
Value : > 10,000 mg/l
Method : DIN 3841

12.2. Persistence and degradability

Product:

Persistence and degradability

Ability and biodegradation

Biodegradation : No data

12.3. Bioaccumulation potential

Product:

Bioaccumulation

Notes : Completely soluble
Does not accumulate in biological environment

12.4. Mobility in soil

Product:

Mobility

Notes : The product is mobile in aquatic environment

12.5. Results of PBT and vPvB assessment

This product does not contain substances considered highly persistent or highly bioaccumulative vPvB.

This product does not contain substances considered persistent or bioaccumulative, or toxic PBT.

Product:

Results of PBT and vPvB assessment

Notes : No data available

12.6. Other adverse effects

According to the conventional method of Directive 99/45/EC

Product:

Biochemical oxygen demand (BOD)

Value : No data available

Chemical oxygen demand (BOD)

Value : No data available

Additional ecological information

Notes : Do not discharge into surface waters and

13. Disposal Considerations

13.1. Waste treatment methods

- Product : Disposal together with common waste is not permitted. Special measures for disposal are required in accordance with local regulations. Do not allow discharge of the product into drains. Dispose of as special waste in compliance with local and national requirements.
- Contaminated packaging material : In conformity with municipal and national conditions. Dispose of as unused product.
- European Catalogue Waste Number : No waste code can be given for this product according to the European Waste Catalogue since it is related to its potential use. Waste code is given after consultation with the regional waste service

14. Transport Information

Safe products

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. UN proper shipping name

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC



Transport Icon : **Class: 9 Miscellaneous dangerous goods**

IMDG : Class: 9

Road transport

ADR : Class: 9

RID : Class: 9

Waterway transport

AND : Class: 9

Maritime transport

IMDG : Class: 9

Air transport

IATA/CAO : Class: 9

15. Regulatory Information

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

Other regulations/ : This safety data sheet is consistent with

Laws the Law on Protection from Harmful Effects of Chemicals and Preparations, and the Ordinance on the Classification, Packaging and Labelling

15.2. Chemical or mixture safety assessment

No data available.

16. Other information

Expiry date: When stored under the recommended conditions, retest after 12 months, then every three months up to a maximum shelf life of 60 months.

Full wording of H-annexes refers to subsections 2 and 3

H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause allergic skin reaction.
H319	Causes serious eye irritation
H413	May cause long-lasting harmful effects to aquatic life

Additional information

Precautionary statements : Protection:

	P102	Keep out of reach of children
	P273	Avoid release to the environment
	P301+330	If swallowed: rinse mouth.
	P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact contact lens, if present and easy to do. Continue rinsing.
	P333+P313	If eye irritation or rash of the skin persists: Get medical
		advice/attention.
	P405	Store locked up

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 quality specification with respect to the correctness or accuracy.

It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.

The information relates to the specific product only and is not valid when used in combination with other materials or in any process, unless specified in the text.

For professional use only. Attention! - avoid exposure - get special instructions before use.

The information provided does not constitute a delivery contract; regarding any specification or for a given application, the buyer must determine for himself their requirements and recommendations for use of the product.

LIST OF 26 ALLERGEN SUBSTANCES OF THE SEVENTH AMENDMENT TO DIRECTIVE 76/768/CEE

Name of product: Lavender essential oil

	NAME OF SUBSTANCES	REMARK	CAS No	EINECS No	NATURAL %	SYNTHETIC %	TOTAL %
1	AMYL CINNAMAL	R 43 51/53	122-40-7	204-541-5	-	-	-
2	AMYL CINNAMYL ALCOHOL	R 38-43	101-85-9	202-982-8	-	-	-
3	ANISE ALCOHOL	R 22-41-43	105-13-5	203-273-6	-	-	-
4	BENZYL ALCOHOL	R 20/22	100-51-6	202-859-9	-	-	-
5	BENZYL BENZOATE	R 22	120-51-4	204-402-9	-	-	-
6	BENZYL CINNAMATE	R 43-51/53	103-41-3	203-109-3	-	-	-
7	BENZYL SALICYLATE	R 43-51/53	118-58-1	204-262-9	-	-	-
8	CINNAMAL	R 21-38-43	104-55-2	203-213-9	-	-	-
9	CINNAMYL ALCOHOL	R 43	104-54-1	203-212-3	-	-	-
10	CITRAL	R 38-43	5392-40-5	226-394-6	-	-	-
11	CITRONELLOL	R 38-43-51/53	106-22-9	203-375-0	-	-	-
12	COUMARIN	R 22-43	91-64-5	202-086-7	-	-	-
13	EUGENOL	R 36-43	97-53-0	202-589-1	-	-	-
14	FARNESOL	R 36/38	4602-84-0	225-004-1	-	-	-
15	ALPHA-ISOMETHYL IONONE	R 52/53	127-51-5	204-846-3	-	-	-
16	GERANIOL	R 38-43	106-24-1	203-377-1	-	-	-
17	HEXYL CINNAMAL	R 43	101-86-0	202-983-3	-	-	-
18	HYDROXYCITRONELLAL	R 36-43	107-75-5	203-518-7	-	-	-
19	ISOEUGENOL	R 21/22-36/38-43	97-54-1	202-590-7	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	R 43	80-54-6	201-289-8	-	-	-
21	LIMONENE	R 10-38-43-50/53	5989-27-5	227-813-5	0.2 – 0.8	-	0.2 – 0.8
22	LINALOOL	R 38	78-70-6	201-134-4	19.1 – 31.8	-	19.1 – 31.8
23	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	R 43	31906-04-4	250-863-4	-	-	-
24	METHYL 2-OCTYNOATE	R 22-43	111-12-6	203-836-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)	R 43	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	R 43	90028-68-5	289-861-3	-	-	-

According to Regulation EC 1223/2009 and Directive 76/768/EEC, it 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