

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

1.1. Product identifier

Product form	: Substance
Substance name	: Lavender True Essential Oil
Chemical name	: Lavandula Angustifolia Herb Oil
EC-No.	: 289-995-2
CAS-No.	: 8000-28-0 / 90063-37-9
Product code	: 102
Other means of identification	: Lavandula Angustifolia Herb Oil is an essential oil steam distilled from the flowering herbs of the lavender, Lavandula angustifolia, Labiatae.

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

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use, Consumer use
Use of the substance/mixture	: Suitable for cosmetic, fragrance, flavour and professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Moje Sunce d.o.o.
Franje Krezme 20
31 000 Osijek
Croatia

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full text of H statements : see section 16	

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

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Hazard statements (CLP)	: H304 - _H_304_EU. H315 - _H_315_EU. H317 - _H_317_EU. H319 - _H_319_EU. H412 - _H_412_EU.
Precautionary statements (CLP)	: P261 - _P_261_EU _P261_INHAL_CONDITION_VAPOURS_EU, _P261_INHAL_CONDITION_SPRAY_EU, _P261_INHAL_CONDITION_MIST_EU. P264 - _P_264_EU hands, forearms and face. P272 - _P_272_EU. P273 - _P_273_EU. P280 - Wear _P280_PROTECTION_EQUIPMENT_PROT_CLOTHING_EYE_FACE_PROTECTION_EU. P301+P310 - _P_301-310_2_EU a doctor, a POISON CENTER. P302+P352 - _P_302-352_2_EU soap and water. P305+P351+P338 - _P_305-351-338_2_EU. P331 - _P_331_EU. P332+P313 - _P_332-313_EU. P333+P313 - _P_333-313_EU. P337+P313 - _P_337-313_EU. P362+P364 - _P_362-364_EU. P405 - _P_405_EU. P501 - _P_501_EU contents and container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	: Lavender True Essential Oil
CAS-No.	: 8000-28-0 / 90063-37-9
EC-No.	: 289-995-2

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Linalyl acetate	(CAS-No.) 115-95-7 (EC-No.) 204-116-4	25 – 50	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4	< 38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Trans Ocimene	(CAS-No.) 13877-91-3 (EC-No.) 237-641-2	2.5 – 10	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Terpinene-4-ol	(CAS-No.) 562-74-3 (EC-No.) 209-235-5	< 2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Cineole	(CAS-No.) 470-82-6 (EC-No.) 207-431-5	< 2.5	Flam. Liq. 3, H226 Skin Sens. 1, H317
Geranyl acetate	(CAS-No.) 105-87-3 (EC-No.) 203-341-5	< 2.5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Octan-3-One	(CAS-No.) 106-68-3	< 2.5	Flam. Liq. 3, H226

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Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5	< 0.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Camphor	(CAS-No.) 76-22-2 / 21368-68-3 (EC-No.) 200-945-0	< 0.5	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 STOT SE 2, H371
Coumarin	(CAS-No.) 91-64-5 (EC-No.) 202-086-7	< 0.3	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 STOT RE 2, H373
Geraniol	(CAS-No.) 106-24-1 (EC-No.) 203-377-1	< 0.2	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318
Oct-1-EN-3-YL-Acetate	(CAS-No.) 2442-10-6 (EC-No.) 219-474-7	< 0.2	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Get medical advice/attention.

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

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung oedema.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide.
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5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Stop leak if safe to do so. Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from moisture.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Camphor (76-22-2 / 21368-68-3)

United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m³)	13
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WEL TWA (ppm)	2 ppm
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WEL STEL (mg/m³)	19
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WEL STEL (ppm)	3 ppm
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USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (ppm)	2 ppm
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ACGIH STEL (ppm)

3 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment:

EN 374. EN 166.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Pale yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 76 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 0.879 @ 20°C
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

Refractive index : $\approx 1.461 @ 20^{\circ}\text{C}$

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Linalool (78-70-6)	
LD50 oral rat	3000 mg/kg
LD50 oral	2790 mg/kg
LD50 dermal rabbit	5610 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Cineole (470-82-6)	
LD50 oral rat	2480 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l

Geranyl acetate (105-87-3)	
LD50 oral rat	$\approx 6330 \text{ mg/kg}$

Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg

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LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l

Camphor (76-22-2 / 21368-68-3)

LD50 oral	1500 mg/g
LC50 inhalation rat (mg/l)	1.5 mg/l

Coumarin (91-64-5)

LD50 oral	500 mg/kg
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Geraniol (106-24-1)

LD50 oral rat	≈ 3600 ml/kg
LD50 dermal rabbit	> 5 g/kg

Skin corrosion/irritation : _H_315_EU.
Serious eye damage/irritation : _H_319_EU.
Respiratory or skin sensitisation : _H_317_EU.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : _H_304_EU.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : _H_412_EU.

Linalool (78-70-6)

LC50 fish 1	27.8 mg/l
EC50 Daphnia 1	59 mg/l
EC50 96h algae (1)	88.3 mg/l

Limonene (5989-27-5)

LC50 fish 1	≈ 33 mg/l
EC50 Daphnia 1	0.1 – 1 mg/l
ErC50 (algae)	0.1 – 1 mg/l

12.2. Persistence and degradability

Linalyl acetate (115-95-7)

Persistence and degradability	Not established.
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Linalool (78-70-6)

Persistence and degradability	Not established.
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Trans Ocimene (13877-91-3)

Persistence and degradability	Not established.
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Terpinene-4-ol (562-74-3)

Persistence and degradability	Not established.
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Octan-3-One (106-68-3)

Persistence and degradability	Not established.
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Cineole (470-82-6)

Persistence and degradability	Not established.
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Geranyl acetate (105-87-3)

Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
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Limonene (5989-27-5)

Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
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Coumarin (91-64-5)

Persistence and degradability	Not established.
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Geraniol (106-24-1)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Linalyl acetate (115-95-7)

Bioaccumulative potential	Not established.
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Linalool (78-70-6)

Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1
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Bioaccumulative potential	Not established.
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Trans Ocimene (13877-91-3)

Bioaccumulative potential	Not established.
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Terpinene-4-ol (562-74-3)

Bioaccumulative potential	Not established.
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Octan-3-One (106-68-3)

Bioaccumulative potential	Not established.
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Cineole (470-82-6)

Bioaccumulative potential	Not established.
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Geranyl acetate (105-87-3)

Bioaccumulative potential	Not established.
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Limonene (5989-27-5)

Bioaccumulative potential	Not established.
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Coumarin (91-64-5)

Bioaccumulative potential	Not established.
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Geraniol (106-24-1)

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Must follow special treatment according to local regulation.

SECTION 14: Transport information

In accordance with ADR

ADR

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not regulated

No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Lavender True Essential Oil is not on the REACH Candidate List

Lavender True Essential Oil is not on the REACH Annex XIV List

Lavender True Essential Oil is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Lavender True Essential Oil is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 2	Flammable solids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H226	_H_226_EU
H228	_H_228_EU
H302	_H_302_EU
H304	_H_304_EU
H315	_H_315_EU
H317	_H_317_EU
H318	_H_318_2_EU

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H319	_H_319_EU
H332	_H_332_EU
H371	_H_371_EU
H373	_H_373_EU
H400	_H_400_EU
H410	_H_410_EU
H412	_H_412_EU

The classification complies with : ATP 8

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.