

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

1.1 Product identifier

Trade name: LAVENDER OIL

CAS Number:

90063-37-9

Alternative CAS number: 8000-26-8

EC number:

289-995-2

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

Application of the substance / the mixture Fragrance

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Agro Lavendel GmbH

Zur Waldschenke 2

2070 Mitterretzbach

Austria

T+43 664 3577482

Further information obtainable from:

DI Robert PERAUER

Email: r.perauer@agrolavendel.eu

1.4 Emergency telephone number:

+43 664 3577 482

Available during office hours:

Mo - Fr: 08:00 - 12:00 h

Call the national emergency number!

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Additional information: For the wording of the hazard categories, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

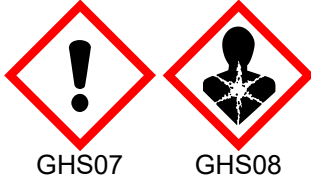
The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Trade name: LAVENDER OIL

(Contd. of page 1)

Hazard pictograms



Signal word Danger

Hazard-determining components of labelling:

Lavender, *Lavandula angustifolia*, ext.

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves / eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: No data available.

vPvB: No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS No. Description

CAS: 90063-37-9 Lavender, *Lavandula angustifolia*, ext.

Alternative CAS number: 8000-28-0

Identification number(s)

EC number: 289-995-2

Additional information: UVCB substance (substance with unknown or variable composition)

Dangerous components:





















For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 3)

Trade name: LAVENDER OIL

(Contd. of page 2)

[% (w/w)]

CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2 Reg.nr.: 01-2119474016-42-XXXX	Linalool  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	30 – 40%
CAS: 115-95-7 EINECS: 204-116-4 Reg.nr.: 01-2119454789-19-XXXX	linalyl acetate  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	15 – 30%
CAS: 13877-91-3 EINECS: 237-641-2	3,7-Dimethyl-1,3,6-octatriene  Flam. Liq. 3, H226  Asp. Tox. 1, H304	2 – 7%
CAS: 18794-84-8 EINECS: 242-582-0	beta-Farnesene  Asp. Tox. 1, H304	1 – 7%
CAS: 87-44-5 EINECS: 201-746-1 Reg.nr.: 01-2120745237-53-xxxx	beta-Caryophyllene  Asp. Tox. 1, H304  Skin Sens. 1B, H317 Aquatic Chronic 4, H413	2 – 5%
CAS: 98-55-5 EINECS: 202-680-6	alpha-Terpineol  Skin Irrit. 2, H315; Eye Irrit. 2, H319	1 – 5%
CAS: 562-74-3 EINECS: 209-235-5	4-Carvomenthenol  Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1 – 5%
CAS: 470-82-6 EINECS: 207-431-5 Reg.nr.: 01-2119967772-24-XXXX	eucalyptol  Flam. Liq. 3, H226  Skin Sens. 1B, H317	1 – 3%
CAS: 464-45-9 EINECS: 207-353-1	l-Borneol  Flam. Sol. 2, H228	< 2.5%
CAS: 123-35-3 EINECS: 204-622-5	Myrcene  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 2, H411  Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2.0%
CAS: 138-86-3 EINECS: 205-341-0 Index number: 601-029-00-7 Reg.nr.: 01-2119493353-35-XXXX	dipentene  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; Skin Sens. 1, H317	< 1.0%

(Contd. on page 4)

Trade name: LAVENDER OIL

(Contd. of page 3)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of discomfort or doubt, seek medical advice.
If unconscious, use a stable lateral position and do not administer anything through mouth.
Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Wash with plenty of soap and water.
Take off contaminated clothing and wash it before reuse.
Seek medical treatment in case of complaints.

After eye contact:

Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical treatment.

After swallowing:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

CO_x

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

(Contd. on page 5)

Trade name: LAVENDER OIL

(Contd. of page 4)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Keep away from ignition sources.

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding, inert material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with skin and eyes.

Prevent formation of aerosols.

Avoid breathing mist/vapours/spray.

Use personal protective equipment as required.

Information about fire - and explosion protection:

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

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a dry, cool, well-ventilated area.

Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Protect from exposure to the light.

Recommended storage temperature: $\leq 25\text{ }^{\circ}\text{C}$

Storage class: 10

(Contd. on page 6)

Trade name: **LAVENDER OIL**

(Contd. of page 5)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 138-86-3 dipentene

AGW (Germany)	Long-term value: 28 mg/m ³ , 5 ppm 4(II);DFG, H, Sh, Y
LEP (Spain)	Long-term value: 168 mg/m ³ , 30 ppm Sen, vía dérmica

Regulatory information

AGW (Germany): TRGS 900

LEP (Spain): Límites de exposición profesional para agentes químicos

DNELs No data available.

PNECs No data available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing mist/vapours/spray.

Take off contaminated clothing and wash it before reuse.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye wash bottles and emergency showers should be provided in the immediate area near the workplace.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection



Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 7)

Trade name: LAVENDER OIL

(Contd. of page 6)

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Tightly sealed goggles

EN 166

Body protection: Protective work clothing

Environmental exposure controls

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Fluid
Colour:	Colourless
Odour:	Lavender
Odour threshold:	No information available.
Melting point/freezing point:	No information available.
Boiling point or initial boiling point and boiling range	No information available.
Flammability	No information available.
Lower and upper explosion limit	
Lower:	No information available.
Upper:	No information available.
Flash point:	> 60 °C (CAS: 90063-37-9 Lavender, Lavandula angustifolia, ext.)
Decomposition temperature:	No information available.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	No information available.
Dynamic:	No information available.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.

(Contd. on page 8)

Trade name: LAVENDER OIL

(Contd. of page 7)

Vapour pressure: Not determined.

Density and/or relative density

Density: No information available.

Vapour density No information available.

9.2 Other information

Appearance:

Form: Fluid

Important information on protection of health and environment, and on safety.

Auto-ignition temperature: No information available.

Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Change in condition

Softening point/range

Oxidising properties No information available.

Evaporation rate Not determined.

Information with regard to physical hazard classes

Explosives void

Flammable gases void

Aerosols void

Oxidising gases void

Gases under pressure void

Flammable liquids void

Flammable solids void

Self-reactive substances and mixtures void

Pyrophoric liquids void

Pyrophoric solids void

Self-heating substances and mixtures void

Substances and mixtures, which emit flammable

gases in contact with water void

Oxidising liquids void

Oxidising solids void

Organic peroxides void

Corrosive to metals void

Desensitised explosives void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

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

(Contd. on page 9)

Trade name: LAVENDER OIL

(Contd. of page 8)

10.5 Incompatible materials:

Acids, alkalis
oxidizing agent
reducing agent

10.6 Hazardous decomposition products:

No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

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

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 90063-37-9 Lavender, *Lavandula angustifolia*, ext.

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rabbit)

CAS: 78-70-6 Linalool

Oral	LD50	2,790 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)

CAS: 98-55-5 alpha-Terpineol

Oral	LD50	4,300 mg/kg (rat)
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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

(Contd. on page 10)

Trade name: LAVENDER OIL

(Contd. of page 9)

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: No data available.

vPvB: No data available.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes:

Harmful to aquatic life with long lasting effects.

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Only dispose of product residues via authorised companies according to local legislation.

European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

16 03 05*	organic wastes containing hazardous substances
HP4	Irritant - skin irritation and eye damage
HP13	Sensitising
HP14	Ecotoxic

Uncleaned packaging:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA not regulated

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA not regulated

14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

(Contd. on page 11)

Trade name: LAVENDER OIL

(Contd. of page 10)

14.4 Packing group

ADR/RID/ADN, IMDG, IATA

not regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments

Not applicable.

UN "Model Regulation":

not regulated

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H228 Flammable solid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

(Contd. on page 12)

Trade name: LAVENDER OIL

(Contd. of page 11)

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Training hints

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

Regular training of staff involved in the transport of dangerous goods (in accordance with Chapter 1.3 ADR).

Department issuing SDS:

UmEnA GmbH

<http://umena.at>

Email: office@umena.at

Date of previous version: 18.07.2022

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4