

## SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH)

### LAVENDER ESSENTIAL OIL

Issue date: 14-10-2024

Version Nr: 1

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

### 1.1. Product identifier

Name: **Lavender essential oil**

EC number: 289-995-2.

CAS number: 8000-28-0, 90063-37-9.

### 1.2. Relevant identified uses of the substance or mixture and uses recommended

Relevant identified uses: Professional use

Uses advised against: The product is not intended for consumer use.

### 1.3. Details of the supplier of the safety data sheet

Company: UAB Saflora

Naugarduko g. 102

Vilnius, LT-03160, Lithuania

Phone: +37062959500 e-mail: info@sapolita.lt

www.sapolita.lt

### 1.4. Emergency telephone number

Poisoning and Drug information Center: +370 5 236 20 50

## SECTION 2: HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) 1272/2008 (Hazard class and category, hazard statement)

Eye Irrit. 2, H319

Skin Sens.1B, H317

Asp. Tox. 1, H304

Aquatic Chronic 3, H412

### 2.2. Label elements

**The product is classified and labelled according to the CLP regulation.**

**Symbols:**



GHS07



GHS08

**Signal word: Danger**

**Hazard statements:**

H304 May be fatal if swallowed and enters airways.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 - Do NOT induce vomiting.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Other hazards:**

Results of PBT and vPvB assessment: according to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties: does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: COMPOSITION / INGREDIENT INFORMATION

### 3.1. Substances

Linalool CAS: 78-70-6; 25 – 50%  
Linalyl acetate CAS: 115-95-7; 25 – 50%  
p-menth-1-en-4-ol CAS: 562-74-3; 5 – 7.5%  
beta-Caryophyllene CAS: 87-44-5; 5 – 7.5%  
Germacrene D CAS: 37839-63-7; 1 – 3%  
cis-beta-Ocimene CAS: 3338-55-4; 1 – 3%  
trans-beta-Ocimene CAS: 3779-61-1; 1 – 3%  
Eukalyptol (1.8-Cineol) CAS: 470-82-6; 1 – 3%  
Myrcene CAS: 123-35-3; 1 – 3%  
l-Limonene CAS: 5989-54-8; 1 – 3%  
p-menth-1-en-8-ol CAS: 98-55-5; 1 – 3%  
Geranyl acetate CAS: 105-87-3; 1 – 3%  
beta-Farnesene CAS: 18794-84-8; 1 – 3%  
Neryl acetate CAS: 141-12-8; 1 – 3%  
Oct-1-en-3-ylacetat CAS: 2442-10-6; < 1%  
Geraniol CAS: 106-24-1; < 1%  
Camphene CAS: 79-92-5; < 1%  
alpha-Pinene CAS: 80-56-8; < 1%  
Coumarin CAS: 91-64-5; < 1%  
p-Cymene CAS: 99-87-6; < 1%  
gamma-Terpinene: CAS 99-85-4; < 1%

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General notes:

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation:

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact:

Wash with plenty of soap and water.

#### Following eye contact:

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion:

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

Treatment: None

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: sand, CO<sub>2</sub> or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons: water jet.

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

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel: Remove persons to safety.

For emergency responders: Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2. Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

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

Advice on how to contain a spill: covering of drains.

Advice on how to clean up a spill: wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques: use of adsorbent materials.

Other information relating to spills and releases: place in appropriate containers for disposal. Ventilate affected area.

### 6.4. Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8.

Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Recommendations:

- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation.

Avoidance of ignition sources. Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details: Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene: Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Managing of associated risks.

- Explosive atmospheres: keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards: keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements: use local and general ventilation. Ground/bond container and receiving equipment.
- Packaging compatibilities: only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

### 7.3. Specific end use(s)

See section 16 for a general overview.

## SECTION 8: EXPOSURE CONTROLSPERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limit values (Workplace Exposure Limits): this information is not available.

Human health values:

DNEL 0.877 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic - systemic effects

DNEL 0.249 mg/kg bw/day human, dermal worker (industry) chronic - systemic effects

Relevant DNELs of components:

Linalyl acetate 115-95-7 DNEL 2.75 mg/m<sup>3</sup> human, inhalatory, worker (industry) chronic - systemic effects

Linalyl acetate 115-95-7 DNEL 2.5 mg/kg bw/day human, dermal worker (industry) chronic - systemic effects

Linalyl acetate 115-95-7 DNEL 236.2 µg/cm<sup>2</sup> human, dermal worker (industry) chronic - local effects

Linalyl acetate 115-95-7 DNEL 236.2 µg/cm<sup>2</sup> human, dermal worker (industry) acute - local effects

Linalool 78-70-6 DNEL 2.8 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic – systemic effects

Linalool 78-70-6 DNEL 16.5 mg/m<sup>3</sup> human, inhalatory worker (industry) acute – systemic effects

Linalool 78-70-6 DNEL 2.5 mg/kg bw/day human, dermal worker (industry) chronic – systemic effects

Linalool 78-70-6 DNEL 5 mg/kg bw/day human, dermal worker (industry) acute – systemic effects

Eukalyptol (1.8-Cineol) 470-82-6 DNEL 7.05 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic – systemic effects

Eukalyptol (1.8-Cineol) 470-82-6 DNEL 2 mg/kg bw/day human, dermal worker (industry) chronic – systemic effects

l-Limonene 5989-54-8 DNEL 33.3 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic - systemic effects

l-Limonene 5989-54-8 DNEL 222 µg/cm<sup>2</sup> human, dermal worker (industry) acute - local effects

Geranyl acetate 105-87-3 DNEL 62.59 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic - systemic effects

Geranyl acetate 105-87-3 DNEL 35.5 mg/kg bw/day human, dermal worker (industry) chronic - systemic effects

beta-Farnesene 18794-84-8 DNEL 0.95 mg/kg bw/day human, dermal worker (industry) chronic – systemic effects

Geraniol 106-24-1 DNEL 161.6 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic – systemic effects

Geraniol 106-24-1 DNEL 12.5 mg/kg bw/day human, dermal worker (industry) chronic – systemic effects

Geraniol 106-24-1 DNEL 11,800 µg/cm<sup>2</sup> human, dermal worker (industry) chronic - local effects

Camphene 79-92-5 DNEL 110.2 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic – systemic effects

Camphene 79-92-5 DNEL 110.2 mg/m<sup>3</sup> human, inhalatory worker (industry) acute – systemic effects

Camphene 79-92-5 DNEL 0.21 mg/kg bw/day human, dermal worker (industry) chronic – systemic effects

Camphene 79-92-5 DNEL 1.25 mg/kg bw/day human, dermal worker (industry) acute – systemic effects

alpha-Pinene 80-56-8 DNEL 3.8 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic – systemic effects  
alpha-Pinene 80-56-8 DNEL 0.542 mg/kg bw/day human, dermal worker (industry) chronic - systemic effects

gamma-Terpinene 99-85-4 DNEL 2.939 mg/m<sup>3</sup> human, inhalatory worker (industry) chronic - systemic effects

gamma-Terpinene 99-85-4 DNEL 0.833 mg/kg bw/day human, dermal worker (industry) chronic – systemic effects

Relevant PNECs and other threshold levels:

No data.

## 8.2. Exposure controls

Appropriate engineering controls: general ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection: wear eye/face protection.

Skin protection: hand protection.

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material. NBR: acrylonitrile-butadiene rubber.

- Material thickness > 0.7 mm.

- Breakthrough times of the glove material > 10 minutes (permeation: level 1).

- Other protection measures. Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection: in case of inadequate ventilation wear respiratory protection.

Filtering half mask (EN 149). Type: A (against organic gases and vapours with a boiling point of > 65 °C, colour code: Brown).

Environmental exposure controls: use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state: liquid

Colour: light yellow

Odour: characteristic

Melting point/freezing point: -20 °C

Boiling point or initial boiling point and boiling range: not determined

Flammable liquid in accordance with GHS criteria: Lower and upper explosion limit not determined

Flash point: 78 °C

Auto-ignition temperature: 250 °C at 101,276 Pa (ECHA)

Decomposition temperature: not relevant

pH (value): not determined

Kinematic viscosity: not determined

Solubility(ies): not determined

Partition coefficient n-octanol/water (log value): this information is not available

Vapour pressure: not determined

Density: 0.885 g/cm<sup>3</sup>

Relative vapour density information on this property is not available

Particle characteristics: not relevant (liquid)

## 9.2. Other information

Information with regard to physical hazard classes: there is no additional information

Other safety characteristics: there is no additional information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. The mixture contains reactive substance(s). Risk of ignition.

If heated: risk of ignition.

### 10.2. Chemical stability

See below "Conditions to avoid".

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

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

Hints to prevent fire or explosion: use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 10.5. Incompatible materials

Oxidisers.

### 10.6. Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity: The classification criteria for these hazard classes are not met.

Skin corrosion/irritation: The classification criteria for these hazard classes are not met.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.

Carcinogenicity: Shall not be classified as carcinogenic.

Reproductive toxicity: Shall not be classified.

Specific target organ toxicity - single exposure: Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure: Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard: May be fatal if swallowed and enters airways.

## 11.2. Other toxicological information

There is no additional information.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute):

LL50 29.17 mg/l fish 96 h

EL50 36.17 mg/l aquatic invertebrates 24 h

Aquatic toxicity (chronic):

EC50 1,230 mg/l microorganisms 3 h

### 12.2. Persistence and degradability

Degradability of components:

Linalyl acetate 115-95-7 oxygen depletion 0 – 10 % 1 d ECHA

Linalool 78-70-6 oxygen depletion 40.9 % 5 d ECHA

Eukalyptol (1.8-Cineol) 470-82-6 carbon dioxide, generation 82 % 28 d ECHA

Myrcene 123-35-3 oxygen depletion 76 % 28 d ECHA

Geranyl acetate 105-87-3 oxygen depletion >70 % 28 d ECHA

Neryl acetate 141-12-8 oxygen depletion 90 % 28 d ECHA

beta-Farnesene 18794-84-8 carbon dioxide, generation 60.6 % 28 d ECHA

alpha-Pinene 80-56-8 oxygen depletion 68 % 28 d ECHA

gamma-Terpinene 99-85-4 oxygen depletion 27 % 28 d ECHA

p-Cymene 99-87-6 oxygen depletion 88 % 14 d ECHA

### 12.3. Bioaccumulative potential

Bioaccumulative potential of components (Log KOW):

Linalyl acetate 115-95-7; 3.9 (25 °C)

Linalool 78-70-6; 2.9 (pH value: 7, 20 °C)

beta-Caryophyllene 87-44-5; 6.23 (pH value: 7, 25 °C)

Eukalyptol (1.8-Cineol) 470-82-6; 3.4

p-menth-1-en-8-ol 98-55-5; 2.6 (30 °C)

Myrcene 123-35-3; 4.82 (pH value: ~6.5, 30 °C)

l-Limonene 5989-54-8; 4.38 (pH value: 7.2, 37 °C)

Geranyl acetate 105-87-3; 4.04

Neryl acetate 141-12-8; 3.98 (pH value: 7.2, 37 °C)

beta-Farnesene 18794-84-8; >6.5 (pH value: 7.7, 30 °C)

Geraniol 106-24-1; 2.6 (25 °C)

Camphene 79-92-5; 4.22 (pH value: 7.2, 37 °C)

gamma-Terpinene 99-85-4; 5.4 (25 °C)

p-Cymene 99-87-6; 4.8 (pH value: ~7, 20 °C)

### 12.4. Mobility in soil: Data are not available.

### 12.5. Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.



12.6. Other adverse effects  
Data are not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste treatment-relevant information: Solvent reclamation/regeneration.

Sewage disposal-relevant information: do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings: only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks: please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

14.1 UN number or ID number: not subject to transport regulations

14.2 UN proper shipping name: not relevant

14.3 Transport hazard class(es): none

14.4 Packing group: not assigned

14.5 Environmental hazards: non-environmentally hazardous acc. to the dangerous goods regulations

14.6. Special Precautions for User: There is no additional information.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
The cargo is not intended to be carried in bulk.

### **Transport information - National regulations - Additional information (UN RTDG)**

Not subject to transport regulations: UN RTDG

### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

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

Not subject to ICAO-IATA.

## SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulation/legislation specific for the substance or mixture  
There is no additional information.

15.2. Chemical Safety Assessment  
No

## **SECTION 16: OTHER INFORMATION**

There is no additional information.

*This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.*