

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

LAVENDER ORGANIC ESSENTIAL OIL

1. Identification of the substance/mixture and company

Product name: LAVENDER ORGANIC ESSENTIAL OIL
 INCI: Lavandula Angustifolia Oil
 Uses: Raw material for cosmetics, personal care
 Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
 Tel/Fax: +40259-436.755, www.ellemental.com
 Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
 International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

Skin Irrit.2 (SCI 2) H315 Causes skin irritation

Aquatic Chronic 3 (EH,C3) H412 Harmful to aquatic life with long lasting effects

Other Hazards: Refer to the recommendations regarding the storage of products ordered.

For the wording of the risk phrases, classes and categories of danger, hazard statements and H uh, refer to Section 16

2.2 Label elements

Warnings: Danger



Precaution Advises

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302/352 IF ON SKIN: Wash with plenty of soap and water.

P303/313 If skin irritation occurs: Get medical advice/attention.

P501 Dispose of contents/container according to regulation in force

2.3. Other hazards

CMR data without classification None

Products from natural origin do not provide identical composition for each production. These values are indicative and do not exclude the possibility of slight variations.

3. Declaration of ingredients

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3.1 Substances

Substance: CNS, Complex natural substance 100% pure and natural, Essential Oil Product from organic agriculture.

3.2 Mixtures

Classification according to directive (CE) n° 1272/2008

N° CAS : 204-116-4 N° EINECS : 115-95-7	Acetate de linalyle	< 42.0 %
	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	
N° CAS : 78-70-6 N° EINECS : 201-134-4	Linalol	< 34.0 %
	Skin Irrit. 2, H315	
N° CAS : 562-74-3 N° EINECS : 209-235-5	Terpinen-4-ol	< 7.0 %
	Acute Tox. 4 - H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
N° CAS : 87-44-5 N° EINECS : 201-746-1	Beta-caryophyllene	< 10.0 %
	Asp. Tox. 1, H304; Skin Sens. 1, H317	
N° CAS : 470-82-6 N° EINECS : 207-431-5	Cinéol 1,8	< 2.0 %
	Flam. Liq. 3, H226	
N° CAS : 105-87-3 N° EINECS : 203-341-5	Acetate de geranyle	< 3.0 %
	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3 - H412	
N° CAS : 106-24-1 N° EINECS : 203-377-1	Geraniol	< 5.0 %
	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam.1 , H318	
N° CAS : 99-87-6 N° EINECS : 202-796-7	Para-cymene	< 5.0 %
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2 - H411	
N° CAS : 123-35-3 N° EINECS : 204-622-5	Beta-myrcene	< 1.0 %
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Eye Irrit. 2, H319	
N° CAS : 80-56-8 N° EINECS : 201-291-9	Alpha pinène	
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens. 1, H317; Aquatic Acute 1 - H400; Aquatic Chronic 1, H410	

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N° CAS : 202-086-7 N° EINECS : 91-64-5	Coumarin	< 0.6 %
	Acute Tox. 4 - H302; Skin Sens. 1, H317	
N° CAS : 5989-27-5 N° EINECS : 227-813-5	D-Limonène	< 1.0 %
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1 - H400; Aquatic Chronic 1, H410	
N° CAS : 127-91-3 N° EINECS : 204-872-5	Béta pinène	< 1.0 %
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens. 1, H317; Aquatic Acute 1 - H400; Aquatic Chronic 1, H410	

4. First aid measures

4.1 Description of first aid measures

Excessive inhalation: Move exposed person to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

After skin contact: Wash with water, change clothes if necessary. If irritation persists, or if you see any skin injuries, consult a doctor.

After eye contact: Rinse immediately with plenty of vegetable oil by opening large eyes. If possible, lift the upper lid and rinse. If irritation persists or you noticing any injury, consult your ophthalmologist with the product.

For contact lens wearers: Flush eyes immediately. The lenses are sure to fall while rinsing. If it does not, remove them after rinsing.

Ingestion: Rinse mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. Do not induce vomiting unless directed by medical personnel. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

Generally, if in doubt or if symptoms persist, consult a doctor. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

For details on the consequences in terms of health and symptoms, see Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No special treatment. Treat symptomatically. Contact a specialist for treatment of poisoning if large amounts are ingested or inhaled

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5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide extinguishers or dry fire extinguisher foam. Unsuitable extinguishing agents: Water spray.

5.2 Special hazards arising from the substance or mixture

Possible production of toxic fumes in case of fire.

5.3 Advice for firefighters

Avoid breathing vapors and fumes. Use a mask if necessary. Do not attack the fire with water: the water instead of stifling tends to fuel the fire. Essential oils have the ability to float on water. The fire spread is then accelerated. To extinguish an incipient fire based essential oil, use dry powder-specific ABC (or equivalent). If the fire is not important, it can be smothered by covering with earth, sand or blanket.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid all flammable sources. Ventilate premises. Do not smoke. Avoid eye and skin contact. Don't smoke. Prevent any contact with hot surfaces.

6.2 Environmental precautions

Avoid contamination of drains, surface water and groundwater.

6.3 Methods and material for containment and cleaning up

Contain spilled material, cover with an inert, noncombustible, inorganic, absorbent material and destroy according to the regulation in force

7. Handling and storage

7.1 Precautions for safe handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Use individual protective equipment. Do not drink, eat or smoke while handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container: Avoid PVC.

7.3 Specific end use(s)

Comply with regulations and specifications of the product. No specific recommendations.

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8. Exposure controls / personal protection

8.1 Control parameters

Occupational Exposure Limit Values

Unregulated. No specific exposure limits for this product.

8.2 Exposure controls

Engineering controls appropriate

Maintain air concentrations below occupational exposure standards. Use local ventilation. Use mechanical handling to reduce human contact with the products.

Personal protection measures: Eye protection and face. Wearing protective glasses is recommended.

Skin Protection: Impervious gloves are resistant: nitrile or polyvinyl.

Respiratory Protection: Not normally needed in well ventilated areas

Thermal Hazard: Exposure to heat flow related to a fire or explosion can cause burns to varying degrees, depending on the distance at which it is located. Wear protective equipment is essential and an appropriate self-contained breathing apparatus.

Exposure controls related to environmental protection: Fill the commitments under local legislation on the protection of the environment

9. Physical and chemical properties

Color: Pale yellow to yellow

Physical appearance: Liquid, clear, mobile

Odor: floral and herbaceous, rustic

pH Not applicable

Boiling point N.A

Initial boiling point and boiling range N.A

Flash point + 69°C

Evaporative rate N.A

Flammability N.A

Lower inflammatory limits N.A

Upper inflammatory limits N.A

steam pressure at 25 °C N.A

Steam density at 25°C N.A

Density at 20°C: 0,875 - 0,890

Solubility in water Insoluble

Solubility in ethanol Soluble

Refractive index at 20°C NF ISO 280 1,457 - 1,467

Optical rotation at 20°C -10 -3.0 °

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Partition coefficient O / W N.A

Auto inflammability temperature N.A

Decomposition temperature N.A

Viscosity N.A

Explosive properties

Lower limits N.A

Upper limits N.A

Explosion Hazards: No risk room temperature, comply with ATEX requirements.

Combustions properties: Does not contain substances known as susceptible to spontaneous combustion

10. Stability and reactivity

10.1 Reactivity

This product is stable, no significant modifications under normal conditions of use and storage. In the presence of light and heat, oxidation can occur.

10.2 Chemical stability

No significant changes in the composition in time respecting the storage conditions.

10.3 Conditions to avoid

Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.

10.4 Incompatible materials: PVC

10.5 Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

Hazards assessed by the methods described in the Regulation (EC) No 1272/2008 and its Annexes for the case of complex natural substances and / or mixtures.

Reactivity; acute toxicity

Harmful effect by swallowed	DL org. 50	≥ 5 000 mg/kg	Oral ingestion on rat
Harmful effect by skin contact	DL derm.50	≥ 5 000 mg/kg	Topic dermal application on rabbit

Skin corrosion / irritation

Cause skin irritation

Serious eye damage / eye irritation

No significant effects or critical hazards.

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Respiratory or skin sensitization
No significant effects or critical hazards

Germ cell mutagenicity
No significant effects or critical hazards

Carcinogenicity
No significant effects or critical hazards.

Reproductive toxicity
No significant effects or critical hazards

Toxicity for specific target organ toxicity – single exposure: N.A
Toxicity for specific target organ toxicity – repeated exposure N.A
Toxicity for specific target organ toxicity – repeated exposure N.A

Aspiration hazard: May be fatal if inhaled and enters airways.
Information on likely routes of exposure: No specific data.
Symptoms related to the physical, chemical and toxicological: N.A.
Effects Interactive: N.A
Information on other hazards N.A
Endocrine disrupting properties N.A

12. Ecological information

Toxicity
Danger to the aquatic environment according to Regulation (EC) No 1272/2008
Harmful to aquatic life with long lasting effects.
Prevent contamination of soil, ground and surfacewater. Biodegradability not determined.
Results of PBT assessment and vPvB: no assessment has been conducted on the product.
Endocrine disrupting properties: No specific data.

13. Disposal considerations

Methods of waste treatment
Do not discharge into drains or watercourses. Recycle or dispose of in accordance with prevailing regulations, preferably by a collector or an approved company. Do not contaminate the soil or water with waste, do not dispose of them in the environment. Completely empty container. Conserve or labels on the container. Give to a certified disposal contractor.

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14. Transport information

UN number or ID number: Not regulated
UN proper shipping name: Not regulated
UN proper shipping name: Not regulated
Transport hazard class(es): Not regulated
Packing group: Not regulated
Environmental hazards: Not regulated

15. Regulatory information

Regulatory Informations(Directives 67/548/Ec And 1999/45/Ec)

The regulatory information given above only indicates the principal regulations specifically applicable to the product of the SDS. The user's attention is drawn to the possible existence of additional provisions which complete these regulations.

Assessment of Chemical Safety: According to our knowledge, no assessment has been conducted on the product.

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No

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1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very bioaccumulative

DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	Max %
Alpha-Hexyl cinnamic aldehyde	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin	91-64-5	0.600
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	5.000
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-

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Limonene	5989-27-5	1.000
Linalool	78-70-6	34.000
Lyril	31906-04-4	-
Methyl heptine carbonate	12/06/11	-
Methyleugenol	93-15-2	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.