

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Pure Lavander Essential Oil

1. Identification of the substance/mixture and company

Trade name: Pure Lavander Essential Oil
Natural extraction of lavender essential oil
INCI Lavandula angustifolia oil
CAS No. : 8000-28-0
EINESCS No. : -
REACH pre-registration No.: -
Utilization: Raw material for cosmetic or professional use
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
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

Restrictions on Use: Do not ingest or pour directly into the eyes.

IFRA: Not restricted

2.1 Classification of the substance or mixture
Not classed as a hazardous substance.

2.2 Classification (EC 1223/2009)

The product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1223/2009 and further amendments, nor to those having recognized exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills constitute a slippage hazard.

2.3 Label Elements

Label: In accordance with EC 1223/2009

Signal Word: None

Contains: Contains no hazardous substances

Hazard Elements: None

Precautionary Statements: None

Supplementary Precautionary Statements: None

2.4 Other Hazards

Adverse physio-chemical properties: None

Adverse effects on human health: None

3. Declaration of ingredients

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3.1 The product contains the following ingredients

Substances: Lavandula angustifolia oil. Not classed as hazardous substance. CAS Number: 8000-28-0

3.2. Mixtures

Not applicable.

4. First aid measures

4.1 Description of first aid measures

Inhalation: Remove affected person to fresh air. Seek medical attention if any discomfort continues

Ingestion: Do not induce vomiting. Rinse mouth with water. Seek medical attention if discomfort occurs

Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.

Eye Contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention if irritation continues.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. Fire fighting measures

5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO₂). Dry Chemical Powder. Foam.

Unsuitable extinguishing media: Do not use direct water jet on burning material.

5.2 Special hazards arising from the product

No specific hazards noted.

5.3 Advice for firefighters

Wear protective clothing and self-contained breathing apparatus to avoid inhalation of vapors. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Maintain good occupational and personal hygiene. Avoid inhalation of product vapor and contact with skin and eyes.

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6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines

6.3 Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with local authority guidelines.

6.4 Reference to other sections

None.

7. Handling and storage

7.1 Precautions for safe handling

Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Keep containers sealed when not in use. Prevent spills and leaks to avoid slip hazard. Provide suitable mechanical equipment for the safe handling of drums and heavy packages.

7.2 Conditions for safe storage, including any incompatibilities

Intrusion into soil to be avoided. Keep containers out of direct sunlight in cool dry conditions at a temperature not exceeding 25°C. Keep in the original containers. Limit oxygenation (contact with air).

7.3 Specific end use(s)

No additional data available.

8. Exposure controls / personal protection

8.1 Control parameters

None.

8.2 Exposure controls

Protective Equipment: No special protective measures required.

Process Conditions: No special measures required.

Engineering Measures: No special measures required.

Respiratory Equipment: Ensure area is well ventilated.

Hand Protection: No special measures required.

Eye Protection: The use of safety glasses is recommended. Eye wash station should be available at all times.

Other Protection: No special measures required.

Hygiene Measures: Good personal hygiene practices are always advisable, especially when working with chemicals/oils.

Personal Protection: No special measures required.

Skin Protection: No special measures required.

Environmental Exposure Controls: Avoid discharging into drainage water.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Clear liquid

Color: Yellow

Odor: Floral, lavender specific

Relative Density: No additional data available.

Flash Point (°C): 70

Refractive Index: No additional data available.

Melting Point (°C): No additional data available.

Boiling Point (°C): 204

Vapor Pressure: No additional data available.

Solubility in Water @20°C: Insoluble in water. Soluble in common organic solvents.

Auto-ignition temperature (°C): No additional data available.

9.2 Other information

No additional data available.

10. Stability and reactivity

10.1 Reactivity

No significant reactivity hazard under proper handling. It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability

Chemically stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions

None known.

10.4 Conditions to Avoid

No additional data available.

10.5 Incompatible materials

Avoid contact with strong acids, alkalies and oxidizing agents.

10.6 Hazardous Decomposition Products

Product does not decompose at proper handling.

11. Toxicological information

11.1 Information on toxicological effects

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Acute Toxicity: Nontoxic product.
Skin corrosion / irritation: Not a skin irritant.
Serious eye damage / irritation: No additional data available.
Respiratory or skin sensitization: Not a skin sensitizer.
Germ Cell Mutagenicity: Not a mutagen.
Carcinogenicity: No additional data available.
Reproductive toxicity: Not a reprotoxicant.
STOT-single exposure: No additional data available.
STOT-repeated exposure: No additional data available.
Aspiration hazard: Does not present an aspiration hazard.
Photo-toxicity: Nontoxic product.
Other Information: No additional data available.

12. Ecological information

12.1 Toxicity

Not considered eco-toxic.

12.2 Persistence & degradability

No additional data available.

12.3 Bioaccumulation Potential

Potential for bio-concentration in aquatic organism is low.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

Do not allow product to enter streams, sewers or other waterways.

13. Disposal considerations

13.1 Waste treatment methods

Collect and dispose of waste product at an authorized disposal facility. Product remainders should not intrude soil or waters.

14. Transport information

14.1 UN number

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UN No. Road: Not bound by transport regulations.
UN No. Sea: Not bound by transport regulations.
UN No. Air: Not bound by transport regulations.

14.2 UN proper shipping name
Not bound by transport regulations.

14.3 Transport hazard class(es)
Not bound by transport regulations.

14.4 Packing group
None.

14.5 Environmental hazards
No additional data available.

14.6 Special precautions for user
See sections 6 - 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
Not defined.

15. Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products, including further amendments.

15.2 Chemical safety assessment
An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

16. Additional information

16.1 Hazard and/or Precautionary Statements in Full
None.

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16.2 Other Information

Complies with REACH guidance for SDS as circulated by ECHA 2011.

16.3 Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

DECLARATION OF ALLERGENS

according to regulation (EC) 1223/2009 of 30 November 2009 on cosmetic products, annex III.

Constituent Name	Results /*uncertainty	Measurement	Total Allergen Inclusion Level
Alpha-pinene	0.369 ± 0.012	%	-
Camphene	0.176 ± 0.007	%	-
Beta-phellandrene	0.108 ± 0.11	%	-
Limonene	0.623 ± 0.020	%	0.623
1,8-cineole	2.256 ± 0.080	%	-
Cis-beta-ocimene	4.204 ± 0.033	%	-
Trans-beta-ocimene	2.966 ± 0.011	%	-
3-octanone	2.935 ± 0.086	%	-
Camphor	0.184 ± 0.009	%	-
Linalool	31.434 ± 0.548	%	31.434

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Linalyl acetate	24.199 ± 0.457	%	-
Lavandulol acetate	3.348 ± 0.021	%	-
Terpinen-4-ol	3.259 ± 0.033	%	-
Beta-caryophyllene	4.300 ± 0.013	%	-
Beta-farnesene	1.262 ± 0.018	%	-
Lavandulol	1.262 ± 0.018	%	-
Alpha-terpineol	0.684 ± 0.019	%	-
Borneol	0.488 ± 0.018	%	-

*The reported uncertainty of the chemical tests is based on a standard uncertainty multiplied by the coverage factor $k = 2$, provided a confidence level of ~95%

**LOQ = Limit of Qualification

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.