



## SAFETY DATA SHEET

### Product: SPIKE LAVENDER ESSENTIAL OIL

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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION:

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##### 1.1 Product identifier

Product name	:	Spike Lavender Essential Oil.
INCI name	:	Lavandula Latifolia Herb Oil.
CAS number	:	84837-04-7
EC number	:	284-290-6
REACH number	:	01-2120765575-43-0005

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

Use of substance/mixture	:	Industrial uses. Used in formulations for flavoring preparations and/or perfumery.
Uses advised against	:	Uses other than those recommended.

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

Company	:	AROMATICAS DEL ZALABÍ C/ Martín Pérez de Ayala 1-4 E 18008 Granada. Spain
Telephone Number	:	+34 968 786977
Email address	:	<a href="mailto:info@zalabi.com">info@zalabi.com</a>
WEB	:	<a href="http://www.zalabi.com">www.zalabi.com</a>

**1.4 Emergency telephone number : +34 968 786977**

#### SECTION 2: HAZARDS IDENTIFICATION

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##### 2.1 Classification of the substance or mixture

**Classification according to the Regulation (EC) No 1272/2008.**

Flammable liquids, Hazard Category 3  
Skin corrosion/irritation, Hazard Category 2  
Skin Sensitization, Hazard Category 1


H226: Flammable liquid and vapor.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.

Eye damage/ irritation, Hazard Category 1  
Specific target organ toxicity -  
single exposure, Hazard Category 2  
Long-term (chronic) aquatic hazard, Category 2

H318: Causes serious eye damage.  
H371: May cause damage to organs.  
  
H411: Toxic to aquatic life with long lasting effects.

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## 2.2 Label elements - Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal word	:	DANGER
Hazard statements	:	<p>H226: Flammable liquid and vapor. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H411: Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	:	<p><b>Prevention:</b> P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P273: Avoid release to the environment. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p><b>Response:</b> P305 + P351 + P338 + P310: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. P370 + P378: In case of fire: Use dry sand, dry</p>

chemical or alcohol-resistant foam to extinguish.  
P391: Collect spillage.

Hazardous components which must be listed on the label:

Page | 3 1,8 - Cineol

Camphor

$\beta$  - Pinene

Cis - Ocimene

$\alpha$  - Pinene

Caryophyllene

6-methyl-2-(4-methylcyclohex-3-enyl) hept-2,5-diene

Linalyl acetate

Geraniol.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

## **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

### 3.1 Substances UVCB

(Substance of Unknown or Variable composition, Complex reaction products or Biological materials).

#### Hazardous components:

Chemical name	Identifier	Concentration (% w/w)	Classification
Linalool	CAS-No.: 78-70-6 EC-No.: 201-134-4	50 - 70	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317
1,8 - Cineol	CAS-No.: 470-82-6 EC-No.: 207-431-5	10 – 20	Flam. Liq. 3; H226 Skin Sens. 1; H317

$\alpha$ - Pinene / Camphor	CAS-No.: 76-22-2 EC-No.: 200-945-0	10 - 20	Aquatic Chronic 2; H411 Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE 2; H371 Flam. Sol. 2; H228 1; H318 Skin Sens. 1; H317
$\beta$ - Pinene	CAS-No.: 127-91-3 EC-No.: 204-872-5	1 - 2,5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
cis-Ocimene (z-3,7- dimethyl-1,3,6-octatriene) / (r)-p-mentha-1,8- diene,d-limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5	1 - 2,5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
$\alpha$ - Pinene	CAS-No.: 80-56-8 EC-No.: 201-291-9	1 - 2,5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
6-methyl-2-(4-methylcyclohex-3- enyl)hept-2,5-diene	CAS-No.: 17627-44-0 EC-No.: 241-610-9	1 - 10	Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304
borneol	CAS-No.: 507-70-0 EC-No.: 208-080-0	1 - 10	Flam. Sol. 2; H228
$\gamma$ - Terpinene	CAS-No.: 99-85-4 EC-No.: 202-794-6	0,1 - 1	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Repr. 2; H361
Camphene	CAS-No.: 79-92-5 EC-No.: 201-234-8	0,25 - 1	Flam. Sol. 2; H228 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4	0,1 - 1	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1	0,1 - 1	Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317
$\beta$ - Bisabolene	CAS-No.: 495-61-4	0,1 - 1	Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice : Do not leave the victim unattended.



If inhaled	:	Remove person to fresh air and keep at rest. If unconscious place in recovery position and seek medical advice. If symptoms persist call a physician.
If swallowed	:	Keep respiratory tract clear. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice immediately and show the container or label.

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

Risks	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs.
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#### 4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist get medical attention.  
Never administer anything orally to persons who are unconscious.

### SECTION 5: FIREFIGHTING MEASURES

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#### 5.1 Extinguishing media

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	For safety reasons do NOT use water jet.

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

Specific hazards during firefighting	:	May release toxic, irritating and/or corrosive gases. Exposure to decomposition products may be a hazard to health.
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#### 5.3 Advice for firefighters

Firefighting instructions	:	Cool down the containers exposed to heat with a water spray.
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Protection during firefighting : Do not attempt to act without suitable protective equipment.

Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Note that:

- 1- Closed containers may build up pressure at elevated temperatures.
- 2- Avoid inhalation of fumes or vapors. Use appropriate respiratory protection.
- 3- Prevent run-off from firefighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASES MEASURES

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

Wear appropriate gloves to prevent skin exposure.

Use complete protective clothing if necessary.

Avoid inhalation of its vapors or smoke and use self-contained breathing apparatus if necessary.

Evacuate the surroundings and maintain adequate ventilation in the working area after spilling.

### 6.2 Environmental precautions

Dangerous for the environment. Should not be released into the environment.

Try to prevent the product from entering drains or water courses.

Do not allow contact with soil, surface, or ground water.

If the product contaminates rivers and lakes or drains inform respective authorities.

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

Cover and wipe up with an inert, inorganic, non-combustible absorbent material.

Ventilate area and wash spill site after material pickup is complete.

Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

Handling and storage. See chapter 7.

Exposure controls/personal protection. See chapter 8.

Disposal considerations. See chapter 13.

## SECTION 7: HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Advise on safe handling	:	Smoking, eating, and drinking should be prohibited in the application area.
Heat and ignition sources	:	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. DO NOT SMOKE.
Hygiene measures	:	General industrial hygiene practice.

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

Requirements for storage areas and containers	:	Electrical installations / working materials must comply with the technological safety standards. Keep containers sealed and in a fresh, dry, and well ventilated area away from sources of ignition.
Advice on common storage	:	No materials to be especially mentioned.
Other data	:	No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Raw material used in flavoring preparations and/or perfumery. No additional information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

Declaration of substances is not required.

### 8.2 Exposure controls



Respiratory protection	:	Filtering mask for protection against vapors and particles. CEN standards: EN 136, EN 140, EN 149, EN 405 «CE» marking, Category III
Hand protection	:	Protective gloves. CEN standards: EN 374-1, EN 374-2, EN 374-3, EN 420 «CE» marking, Category II
Eye protection:	:	Protective goggles with built-in frame. Eye protector with integral frame for protection against dust, fumes, mists, vapors, and splashes. CEN standards: EN 166 Category II, «CE» marking.
Skin Protection	:	Anti-static protective clothing. CEN standards: EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5. «CE» marking, Category II
Other protection	:	Anti-static safety footwear against chemicals. CEN standards: EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20345 «CE» marking, category III

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance	:	Clear liquid.
Color	:	Pale yellow to orange yellow.
Odor	:	Characteristic, wild, camphoraceous.
Density	:	0,894 to 0,907 (g/ml) (20 °C)
Refractive Index	:	1,461 to 1,468 (20 °C)
Optical Rotation	:	-7° to +2° (20 °C)
Flash point	:	60 °C



## **SECTION 10: STABILITY AND REACTIVITY**

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<b>10.1 Reactivity</b>	Flammable liquid and vapors.
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazards to be specially mentioned.
<b>10.4 Conditions to avoid</b>	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
<b>10.5 Incompatible materials</b>	Avoid contact with acids, strong bases and oxidizing agents.
<b>10.6 Hazardous decomposition products</b>	No decomposition if used and stored as directed.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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### **11.1 Information on toxicological effects**

Acute toxicity	:	May be toxic if swallowed.
Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/eye irritation	:	Causes serious eye irritation.
Skin sensitization	:	May cause an allergic skin reaction.
Respiratory sensitization	:	Not classified based on available information.
Germ cell mutagenicity	:	Not classified based on available information.
Carcinogenicity	:	Not classified based on available information.
Reproductive toxicity	:	Not classified based on available information.
STOT - single exposure	:	May cause damage to organs.
STOT - repeated exposure	:	Not classified based on available information.
Aspiration toxicity	:	Not classified based on available information.

## SECTION 12: ECOLOGICAL INFORMATION

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<b>12.1 Toxicity</b>	Toxic to aquatic life.
<b>12.2 Persistence and degradability</b>	No data available.
<b>12.3 Bio accumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment</b>	This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
<b>12.6 Other adverse effects</b>	No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

Containers must be disposed of as hazardous waste. Do not re-use empty containers. Dilute the remaining material and neutralize.

Dispose of in accordance with all state and local environmental regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal. Flammable vapors may accumulate in the container.

## SECTION 14: TRANSPORT INFORMATION

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	<b>ADR/RID/ADN</b>	<b>IMDG</b>	<b>IATA-ICAO</b>
<b>UN number</b>	UN1169	UN1169	UN1169
<b>Proper shipping name</b>	Extracts, aromatic, liquid	Extracts, aromatic, liquid	Extracts, aromatic, liquid

<b>Transport Hazard class</b>	3	3	3
<b>Packing group</b>	III	III	III
<b>Environmentally hazardous</b>	Environmentally hazardous and marine pollutant	Environmentally hazardous and marine pollutant	Environmentally hazardous and marine pollutant
<b>Further information</b>	Flammable liquids	Flammable liquids	Flammable liquids

#### 14.1 Labelling according to RID / ADR, IMCO / IMDG, OACI / IATA



#### 14.2 Special precautions for user.

Not applicable.

#### 14.3 Transport in bulk according to Annex II of MARPOL and the IBC Code.

Not applicable for product as supplied.

### SECTION 15: REGULATORY INFORMATION

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

**Seveso III (directive 2012/18/Eu of the European Parliament and of the Council on the control of major accident hazards involving dangerous substances.**

		LOWER TIER	UPPER TIER
P5c	FLAMMABLE LIQUIDS	5.000 t	50.000 t
E2	ENVIRONMENTAL HAZARDS	200 t	500 t

Volatile organic compounds:

Directive 2010/75/EU of 24 November 2010 on industrial emissions.



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Volatile organic compounds (VOC) content: 7,25 %, 65,61 g/l

**15.2 Chemical safety assessment:**

Not required.

**SECTION 16: OTHER INFORMATION**

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The content and format of this safety data sheet are in accordance with EC Regulation No. 1907/2006 of the European Parliament and Council.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for such product used in combination with any other products or in any process, unless specified in the text.