



## SAFETY DATA SHEET

### Product: LAVANDIN GROSSO ESSENTIAL OIL

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

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##### 1.1 Product identifier

Product name	:	Lavandin Grosso Essential Oil.
INCI name	:	Lavandula Hybrida Grosso Herb Oil.
CAS number	:	91722-69-9
EC number	:	294-470-6
REACH number	:	01-2120736147-55-0129

##### 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

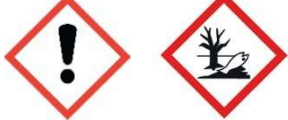
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##### 2.1 Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

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

Hazard pictograms	:	
Signal word	:	WARNING
Hazard statements	:	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264: Wash skin thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  <b>Response:</b> P333 + P313: If skin irritation or rash occurs get medical advice/ attention. P337 + P313: If eye irritation persists get medical advice/ attention.

Hazardous components which must be listed on the label:

1,8-cineol,

Cis-ocimene

Geraniol

Oct-1-en-3-yl acetate

$\alpha$  - Pinene

### 2.3 Other hazards

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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	30 - 45	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4	20 - 40	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317
Camphor	CAS-No.: 76-22-2 EC-No.: 200-945-0	3,5 - 8,5	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
p-menth-1-en-4-ol	CAS-No.: 562-74-3 EC-No.: 209-235-5	1 - 10	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319
Borneol	CAS-No.: 507-70-0 EC-No.: 208-080-0	1,5 - 5	Flam. Sol. 2; H228
1,8 - Cineol	CAS-No.: 470-82-6 EC-No.: 207-431-5	3 - 8	Flam. Liq. 3; H226 Skin Sens. 1; H317
Limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5	0,5 - 1,5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
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
oct-1-en-3-yl acetate	CAS-No.: 2442-10-6 EC-No.: 219-474-7	0,1 - 1	Acute Tox. 4; H302 Skin Sens. 1; H317

$\alpha$ - Pinene	CAS-No.: 80-56-8 EC-No.: 201-291-9	0,25 - 1	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic
Coumarin	CAS-No.: 91-64-5 EC-No.: 202-086-7	0,25 - 1	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Chronic 3; H412

## SECTION 4: FIRST AID MEASURES

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### 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.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. Rinse with plenty of water for several minutes. If eye irritation persists consult a specialist.
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 this container.

### 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.
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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 powder or carbon dioxide.

Page | 5 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.

### 5.3 Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.

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

For handling and storage, see chapter 7.  
For exposure controls/personal protection, see chapter 8.  
For 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.
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

Long term systemic effects if inhalation of hazardous components listed on the label.

### 8.2 Exposure controls



Respiratory protection	:	Self-filtering mask for protection against vapors and particles. CEN standards: 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. CEN standards: EN 166 «CE» marking, Category II
Skin Protection	:	Protective clothing. CEN standards: EN 340 «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

### 9.1 Information on basic physical and chemical properties

Appearance	:	Clear mobile liquid.
Color	:	Light yellow.
Odor	:	Characteristic, slightly camphoraceous, lavender-like.
Density	:	0,891 to 0,899 (g/ml) (20 °C)
Refractive Index	:	1,458 to 1,462 (20 °C)
Optical Rotation	:	-7° to -3° (20 °C)
Flash point	:	75 °C to 78 °C

## SECTION 10: STABILITY AND REACTIVITY

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<b>10.1 Reactivity</b>	No hazardous reactions under recommended storage conditions.
<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>	No data available.
<b>10.5 Incompatible materials</b>	Keep away from oxidizing agents, strongly alkaline and strongly acid materials to avoid exothermic reactions.
<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	:	Not classified based on available information.
Skin corrosion/irritation	:	Causes skin irritation.
Serious eye damage/eye irritation	:	Causes serious eye damage.
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	:	Not classified based on available information.
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.

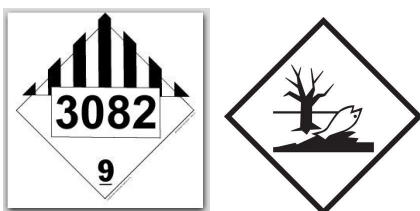
Dispose of in accordance with all state and local environmental regulations.

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

	<b>ADR/RID/ADN</b>	<b>IMDG</b>	<b>IATA-ICAO</b>
<b>UN number</b>	UN3082	UN3082	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, N.O.S.	Environmentally hazardous substance, liquid, N.O.S.	Environmentally hazardous substance, liquid, N.O.S.
<b>Transport Hazard class</b>	9	9	9
<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>	Tunnel restriction code (E)		

### 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

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

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

Volatile organic compounds: Directive 2010/75/EU of 24 November 2010 on industrial emissions.

Volatile organic compounds (VOC) content: 1,9 %, 17,08 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.