



SAFETY DATA SHEET

Product: OREGANO ESSENTIAL OIL

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION:

1.1 Product identifier

Product name	:	Oregano Essential Oil.
INCI name	:	Origanum Vulgare Oil.
CAS number	:	84012-24-8
EC number	:	281-670-3
REACH number	:	

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	:	info@zalabi.com
WEB	:	www.zalabi.com

1.4 Emergency telephone number : +34 968 786977


SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic Hazard Category 2	H411: Toxic to aquatic life with long lasting effects.

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

Hazard pictograms	:	
Signal word	:	DANGER
Hazard statements	:	<p>H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	:	<p>Prevention: P201: Obtain special instructions before use. P273: Avoid release to the environment. P280: Wear protective gloves/ eye protection/ face protection.</p> <p>Response: P301 + P310: If swallowed: Immediately call a poison center/doctor. P331: Do NOT induce vomiting. P391: Collect spillage.</p>

Hazardous components which must be listed on the label:

Carvacrol

γ -Terpinene

Caryophyllene

Cis - Ocimene

1,8 - Cineol

β - Pinene

α - Pinene

Camphor

Eugenol

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
Carvacrol	CAS-No.: 499-75-2 EC-No.: 207-889-6	60 -80	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317
p – Cymene	CAS-No.: 99-87-6 EC- No.: 202-796-7	4 - 10	Flam. Liq. 3; H226 Repr. 2; H361 Asp. Tox. 1; H304 Aquatic Chronic 2; H411
γ – Terpinene	(CAS-No.: 99-85-4 EC-No.: 202-794-6	3 - 9	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Repr. 2; H361
Linalool	(CAS-No.: 78-70-6 EC-No.: 201-134-4	Traces to 3	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317
Thymol	CAS-No.: 89-83-8 EC- No.: 201-944-8	0,5 - 5	Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Chronic 2; H411
Borneol	CAS-No.: 507-70-0 EC-No.: 208-080-0	1 - 10	Flam. Sol. 2; H228

Cis - Ocimene	CAS-No.: 5989-27-5 EC-No.: 227-813-5	0,25 - 1	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic
1,8 - Cineol	CAS-No.: 470-82-6 EC-No.: 207-431-5	0,1 - 1	Flam. Liq. 3; H226 Skin Sens. 1; H317
β - Pinene	CAS-No.: 127-91-3 EC-No.: 204-872-5	0,25 - 1	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
α - Pinene	CAS-No.: 80-56-8 EC- No.: 201-291-9	0,2 - 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
Camphene	CAS-No.: 79-92-5 EC- No.: 201-234-8	0,1 - 0,25	Flam. Sol. 2; H228 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Eugenol	CAS-No.: 97-53-0 EC- No.: 202-589-1	0,1 - 1	Eye Irrit. 2; H319 Skin Sens. 1; H317
1-octen-3-ol	CAS-No.: 3391-86-4 EC-No.: 222-226-0	0,1 - 0,25	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400
β - 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 comfortable for breathing. 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. If



		symptoms persist, call a physician, and show this container/label.
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.
In case of skin contact	:	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Risks	:	Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging fertility or the unborn child
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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. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	:	Extinguishing powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	:	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	May release toxic, irritating and/or corrosive fumes. Exposure to decomposition products may be a hazard to health. Do not allow run-off from firefighting to enter drains or water courses.
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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

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 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.

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SECTION 7: HANDLING AND STORAGE

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

8.1 Control parameters

Inhalation of thymol may cause long term local effects.

Inhalation of components listed on the label, may cause long-term systemic effects.

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. 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	:	Yellow to dark brownish red.
Odor	:	Characteristic, aromatic, phenolic with a spicy base.
Density	:	0,930 to 0,955 (g/ml) (20 °C)
Refractive Index	:	1,500 to 1,513 (20 °C)
Optical Rotation	:	-5° to +2° (20 °C)
Flash point	:	65 °C



SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No hazardous reactions under recommended storage conditions.
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No hazards to be specially mentioned.
10.4 Conditions to avoid	No data available.
10.5 Incompatible materials	No data available.
10.6 Hazardous decomposition products	No decomposition if used and stored as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	:	Harmful 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	:	Suspected of damaging fertility or the unborn child.
STOT - single exposure	:	Not classified based on available information.
STOT - repeated exposure	:	Not classified based on available information.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

**SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability	No data available.
12.3 Bio accumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	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.
12.6 Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

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

	ADR/RID/ADN	IMDG	IATA-ICAO
UN number	UN3082	UN3082	UN3082

Proper shipping name	Environmentally hazardous substance, liquid, N.O.S.	Environmentally hazardous substance, liquid, N.O.S.	Environmentally hazardous substance, liquid, N.O.S.
Transport Hazard class	9	9	9
Packing group	III	III	III
Environmentally hazardous	Environmentally hazardous and marine pollutant	Environmentally hazardous and marine pollutant	Environmentally hazardous and marine pollutant
Further information	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

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.

15.2 Chemical safety assessment:

Not required.



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SECTION 16: OTHER INFORMATION

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

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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.