



SAFETY DATA SHEET

Product: HYSSOP ESSENTIAL OIL

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION:

1.1 Product identifier

Product name	:	Hyssop Essential Oil.
INCI name	:	Hyssopus Officinalis Herb Oil.
CAS number	:	84603-66-7
EC number	:	283-266-2
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.

Flammable liquids, Category 3
Inhalation, Category 1
Skin sensitization, Category 1
Long-term (chronic) aquatic hazard, Category 1

H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H410: Very 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. H304: May be fatal if swallowed and enters airways. H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	:	<p>Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. p273: Avoid release to the environment. P280: Wear protective gloves/ eye protection/ face protection.</p> <p>Response: P301 + P310: Immediately call a poison center/doctor if swallowed. P331: Do NOT induce vomiting. P303 + P361 + P353: If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P391: Collect spillage.</p>

Hazardous components which must be listed on the label:

α - Pinene

β - Pinene

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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
Isopinocampone	(CAS-No.) 15358-88-0 (EC-No.) 239-394-6	34,5 - 50	
β - Pinene	(CAS-No.) 18172-67-3 (EC-No.) 242-060-2	7 - 20	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Pinocampone	(CAS-No.) 547-60-4 (EC-No.) 208-926-9	8 - 25	
Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5	0,6 - 4	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Sabinene	(CAS-No.) 2009-00-9	1 - 3,5	
β - Caryophyllene	(CAS-No.) 87-44-5 (EC- No.) 201-746-1	1 - 3	
α - Pinene	(CAS-No.) 7785-26-4 (EC-No.) 232-077-3	0,4 - 1.5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Page 4	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. Seek medical advice immediately and show this container.
	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	:	May be fatal if swallowed and enters airways. May cause an allergic skin reaction.
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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.
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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 fumes.
Flammable liquid and vapor.

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 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.

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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

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

8.1 Control parameters

No additional information available.

8.2 Exposure controls

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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:	:	Safety glasses which protect against dust, fumes, mists, vapors, and splashes. CEN standards: EN 166 «CE» marking, Category II
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

9.1 Information on basic physical and chemical properties



Appearance	:	Clear, mobile liquid.
Color	:	Pale yellow to brown-yellow.
Odor	:	Characteristic.
Density	:	0,920 to 0,950 (g/ml) (20 °C)
Refractive Index	:	1,475 to 1,486 (20 °C)
Optical Rotation	:	-25° to -10° (20 °C)
Flash point	:	59 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Flammable liquid and vapors.
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	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5 Incompatible materials	No additional information 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	:	Not classified based on available information.
Skin corrosion/irritation	:	Not classified based on available information.
Serious eye damage/eye irritation	:	Not classified based on available information.
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 be fatal if swallowed and enters airways.
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.
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	UN1169	UN1169	UN1169
Proper shipping name	Extracts, aromatic, liquid	Extracts, aromatic, liquid	Extracts, aromatic, liquid
Transport Hazard class	3	3	3
Packing group	III	III	III
Environmentally hazardous	Environmentally hazardous and marine pollutant	Environmentally hazardous and marine pollutant	Environmentally hazardous and marine pollutant
Further information	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 (Categories 2 or 3 not covered by P5c and P5b)	5.000 t	50.000 t



E1 Hazardous to the aquatic environment in Category Acute 1 or Chronic 1	100 t	200 t
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Volatile organic compounds:	Not applicable.
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15.2 Chemical safety assessment:

Not required.

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.

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 specific