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MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1272 of 2008 and Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EC) 2017/1510

Organic Hyssop Oil

Version: 01

Creation date: 03.04.2020

Date of printing: 14.04.2020

1. Identification of the substance/mixture and the company/undertaking

1.1. Product Identifier

Product name	:	Organic Hyssop Oil
Name of substance (INCI)	:	HYSSOPUS OFFICINALIS HERB OIL
Registration number REACH	:	-
CAS No	:	84603-66-7
EU No	:	283-266-2
ISO	:	ISO 9841:1991
Biological origin	:	Produced using mainly the flowering inflorescences, and the whole leafy aboveground part of hyssop (Hyssopus Officinalis L.), Lamiaceae family.

1.2. Relevant identified uses of the substance or mixture and uses advised

Use of the substance/
mixture : For application in the sphere of perfumery and cosmetics independently or as a recipe component, included in compositions.

Recommended
restrictions on
use : No data available.

1.3. Details of the supplier of the safety data sheet

Manufacturer : "ALTEYA ORGANICS" LLC
Postal address/p.c. : 6167, Yagoda village, 1, Rozovarna St.
Stara Zagora Region
Country identifier/
Postal code/settlement : Bulgaria
Telephone number/GSM/fax : +359 700 15 502



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E-mail of the competent person responsible for the Safety : salesbg@alteya.com

Data Sheet

National contact person : Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov

Emergency telephone number: 02 9154409; (normal working time excluding Saturday and Sunday)

or 02 9154 346 (continuous service)

e-mail: poison_centre@mail.orbitel.bg

<http://www.pirogov.net>

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]

Classification according to GHS				
Chapter	Subsection	Class of hazard	Class of hazard and category of hazard	Hazard statements
2.6.	Flam.	Flammable liquids	(Flam. Liq. 3)	H226
3.10	Inh.	Aspiration hazard	(Asp Tox 1)	H304
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.3	Eye	Eye irritation	(Corrosion)Damage/Irritation. 2A	H319
4.1	Chronic	Aquatic hazard	Aquatic Chronic 2	H411

2.2.2. Additional information:

For full text of hazard statements and EC specific hazard statements: see SECTION 16.

2.2. Label Elements

Designation according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word:

:

Hazardous.

Hazardous components

:

PINENES (ALPHA OR BETA)
P-MENTHA-1,8-DIENE

Hazard statements

:

H226 Flammable liquid and vapors.
H304 May be fatal if swallowed and if enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.



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**Statements on
environmental
hazards**

: H411 Toxic for aquatic environment, with
long-lasting effect.
EUH 208 Contains Limonene, Linalool.
May cause allergic reaction.

Hazard statements

Hazard statements

- General

: P102 Keep out of reach of children.

Hazard statements

- On prevention

: P210 Keep away from heat / sparks / naked
flame / hot surfaces.
Do not smoke.
P261 Avoid inhaling evaporations.
P264 After using wash skin thoroughly.
P273 Avoid release in environment.
P280 Use protective gloves/protective clothing
/protective google/protective face mask.

Hazard statements

- As a reaction

: P301+ P310 IF INHALED: Immediately call
TOXICOLOGY CENTER or a doctor.
P303+P361 IF CONTACT WITH SKIN (or hair):
P353 immediately take off contaminated
clothing. Wash skin with water
[or have a shower].
P305+P351+ P338 If contact with eyes: Wash thoroughly
with water for several minutes.
Remove contact lenses, if there are
such and if possible. Continue
washing.
P337 + P313 If persistent eye irritation: seek
medical advice
P333+P313 If skin irritation or rash: Seek medical
advice/help.
P333+P313 If persistent eye irritation or skin
rash: Seek medical advice/help.
P362 Take of contaminated clothing
and wash before reuse.
P391 Collect the spillage.



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- If stored : P403 + P235 Store in well ventilated place. Keep in a cool place.

Hazard statements

On disposal : P501 Dispose of the content / container in an approved disposal place in compliance with the local and national regulations.

Other hazards

No other information available.

The substance meets the vPvB criteria according to Regulations (EC) № 1907/2006, annex XIII

3. Composition/information on ingredients

3.1. Substances/mixture – The basic component of this oil is cineole, beta-pinene, as well as sesquiterpenes and some aromatic alcohols.

INGREDIENT	IDENTIFIERS	%	CLASSIFICATION
Cineole (EUCALYPTOL)	EINECS NO: 207-431-5 CAS NO: 470-82-6	30 ≥ 50	Flam. Liq. 3 - H226 Acute Tox. Oral 5 (H303) Skin Irrit.3 (H316)
Trans-pinocamphone	EINECS NO: - CAS NO: 547-60-4	0,5 – 2,95	Acute Tox.Oral 4 – H302
Pinocarvone	EINECS NO: - CAS NO: 30460-92-5	0,1 – 1,39	-
Trans-pinocamphone	EINECS NO: - CAS NO: -	0,1 – 1.38	Acute Tox.Oral 4 – H302
b-PINENE	EINECS NO: 204-872-5 CAS NO: 127-91-3	7,4 ≥ 20,3	Flam. Liq. 3 – H226 Skin Sens. 1 – H317 Skin Irrit. 2 – H315 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
MYRCENE	EINECS NO: 204-622-5 CAS NO: 123-35-3	0.1 ≥ 3.0	Eye Irrit. 2 - H319 Acute Tox.Oral 4 – H302 Skin Irrit. 2 – H315 Chr aq. toxicity –Category 4. H413
Cis -Beta -Ocimene	EINECS NO: 237-641-2 CAS NO: 13877-91-3	0.1 ≥ 3.0	Flam. Liq. 3, H226; Asp. Tox. 1, H304
Trans -Beta -Ocimene	EINECS NO: 237-641-2 CAS NO: 13877-91-3	0.1 – 2.2	Flam. Liq. 3, H226; Asp. Tox. 1, H304
α-Terpineol	EINECS NO: - CAS NO: 98-55-5	0,8 ≥ 2,26	Flam. Liq. 4 - H227 Acute Tox. Oral 5 (H303) Skin Irrit. 2 – H315



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			Eye Irrit. 2 - H319 Aquatic Acute 2 - H401
GERMACRENE	EINECS NO: 639-624-9 CAS NO: 23986-74-5	0,1 – 1,3	Asp. Tox. 1 – H304 Acute Tox.(O) 4: H302
P-CYMENE	EINECS NO: 202-796-7 CAS NO: 99-87-6	0,1 – 1,19	Asp. Tox. 1 - H304 Flam. Liq. 3- H226 Aquatic Chronic 2 - H411
LIMONENE	EINECS NO: 227-813-5 CAS NO: 5989-27-5	0,01≥ 4,0	Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410
LINALOOL	EINECS NO: 201-134-4 CAS NO: 78-70-6	0,01≥ 0,2	Acute Tox. Oral 5 (H303) Eye Irrit. 2A (H319) Flam. Liq. 4 (H227) Aquatic Acute 3 (H402) Skin Sens. 1B (H317) Skin Irrit. 2 (H315)
Cis -Beta -Ocimene	EINECS NO: 237-641-2 CAS NO: 13877-91-3	3,0 – 9,0	Flam. Liq. 3, H226; Asp. Tox. 1, H304 Skin Irrit. 3 – H316
α-PINENE	EINECS NO: 201-291-9 CAS NO: 80-56-8	0,1 ≥ 2,0	Acute Tox. Oral 5 (H303) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
γ-TERPINENE	EINECS NO: 202-794-6 CAS NO: 99-85-4	0,1 ≥ 2,0	Flam Liq.Cat.3; H 226 Acute Tox. Oral 5 (H303) Asp. Tox. 1 (H304) Skin Irrit. 3 – H316 Eye Irrit. 2A (H319) STOS, Cat.3, H335
Sabinene	EINECS NO: 222-212-4 CAS NO: 3387-41-5	0,5– 3,45	Flam. Liq. 3, H226
P-CYMENE	EINECS NO: 202-796-7 CAS NO: 99-87-6	0,1 – 1,2	Asp. Tox. 1 - H304 Flam. Liq. 3- H226 Skin Irrit. 3 – H316 Aquatic Acute 2 – H401 Aquatic Chronic 2 - H411
BETA CARYOPHLLENE	EINECS NO: 201-746-1 CAS NO: 87-44-5	0,1 – 0,2	Asp. Tox. 1 – H304 Skin Irrit. 3 – H316
ALPHA-PHELLANDRENE	EINECS NO: 202-792-5 CAS NO: 99-83-2	0,1 – 0,2	Flam. Liq. 3- H226 Asp. Tox. 1 (H304)



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			<i>Skin Irrit. 3 – H316</i>
<i>Terpinolene</i>	<i>EINECS NO: 209-578-0</i> <i>CAS NO: 586-62-9</i>	<i>0,1 – 0,2</i>	<i>Flam. Liq. 3 - H226</i> <i>Asp. Tox. 1 - H304</i> <i>Aquatic Chronic 2 - H411</i>

4. First aid measures

4.1. Description of first aid measures

- General notes : In case of sickness seek medical advice.
(present label if possible)
- Following inhalation : Move the victim away from exposure source
to fresh air. If symptom persist seek medical advice.
- Following skin contact : Wash the affected area with plenty of water and soap.
Take off contaminated clothes. If skin irritation
persists call a doctor.
- Following eye contact : Immediately wash with plenty of water for at least
15 minutes and remove the contact lensed. Immediately
seek medical advice. Continue washing.
- Following ingestion : Do not induce vomiting. Wash the mouth with
plenty of water and seek medical advice.
- Self-protection of
first aid provider : No data available.

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

- Symptoms : No information available.
- Effects : No information available.

4.3. Indication of any immediate medical attention and special treatment needed

- Treatment : No specific antidote exists.
Treat symptomatically.

5. Firefighting measures

5.1. Extinguishing media

- Suitable
extinguishing media : Foam, extinguishing powder, carbon dioxide,
water jet.



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Unsuitable : Water.
extinguishing media

5.2. Special hazards arising from the substance or mixture

- | | | |
|-------------------------------|---|---|
| Hazardous combustion products | : | May generate carbon dioxide and unidentified organic compounds. |
| Specific hazards firefighting | : | Exposed to heat (fire) containers may form pressure. |

5.3. Advice for firefighters

- | | | |
|---|---|--|
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus. and complete protective clothing to minimize skin exposure. Avoid breathing evaporations. |
| Additional information | : | Fight fire taking the standard precautions from a reasonable distance. |

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and procedures for emergencies

6.1.1. For personnel not responsible for emergencies

- | | | |
|---|---|---|
| Personal precautions, protective equipment and procedures | : | Remove all ignition sources. Avoid breathing, skin and eye contact. Provide adequate ventilation. Evacuate all the personnel not responsible for emergencies. |
|---|---|---|

6.1.2. For the persons responsible for emergencies

Use personal protective equipment. Provide Adequate ventilation. Not protected persons are not admitted. Avoid skin and eye contact. Avoid breathing evaporations. Keep away ignition sources.



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6.2. Environmental precautions

Environmental precautions : Do not discharge into sewer systems or soil.

6.3. Methods and materials for containment and cleaning up

6.3.1. For containment : Keep flammable materials away from spillage. Absorb spillage using sand or other inert, inflammable absorbing material such as soil, vermiculite Remove all ignition sources. Avoid sparks, flames, heat and smoking.

6.3.2. For clean up : The contaminated absorbent may be as hazardous as the spilled material. Collect it and transfer the used material into suitable waste disposal container and seal them thoroughly. After collecting the spillage wash the area thoroughly.

6.3.3. Other information : Label the containers containing waste and contaminated materials and remove them from the area as soon as possible.

6.4 Reference to other sections

For personal protection see Sections 7, 8 and 13.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions : Maintain good professional and personal hygiene. Avoid inhaling and skin and eye contact. Wear protective clothing and protective goggles. Handle following the rules of good hygiene and safety. Store in the original container or in alternative made of compatible material.

Fire-fighting measures : Store away from ignition sources. Do not smoke, eat or drink while using the product.

Measures to prevent the transformation of aerosols and powder : Provide appropriate ventilation in working area.



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- Measures to protect environment : Avoid discharge in sewer systems or water. In case of penetration in waters or sewer systems inform the competent authorities.
- Advice on general occupational hygiene : Wash your hands before breaks and at the end of the working day. Avoid eye and skin contact.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures and storage conditions : The requirements related to storage premises shall apply to all premises in which the substance is used. Keep hermetically sealed the original containers far from ignition sources and in a cool place. Avoid contact with incompatible materials that support burning such as strong oxidizers. People having skin sensitization should in no case handle this substance. Keep away from food and drinks including that for animals. Keep away from all ignition sources – do not smoke. Keep away from all ignition sources, heat and direct sun light. Avoid accumulation of electrostatic charges.
- Packing materials : Keep in galvanized barrels that must be filled or in containers with lacquer coating. In case you transfer the product the packings should be made of material identical to the original. Keep the containers tightly closed in a dry and well ventilated place.
- Requirements concerning storage premises or vessels : Keep in in closed containers in a dark, cool and ventilated premises. Store at temperatures: $5 \leq 20^{\circ}\text{C}$.



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Storage class : No information available.

Recommendations for protection from fire and explosions : Handle in well ventilated premises. Prevent formation of flammable or explosive concentrations in the air and avoid concentrations of vapors higher than professional exposure limits. Never inhale the substance. Avoid accumulation of electrostatic charges with connection to earth. Use the mixture in premises with no naked flames or other ignition sources and make sure that the electrical equipment is appropriately protected. Keep the packings tightly closed away from heat sources, sparks and naked flame. Do not use sparkling tools. Do not smoke. Avoid access of unauthorized personnel.

Recommendations for basic storage : **It is recommended to follow the requirements concerning packing and storage conditions in compliance with ISO/TS210:2015.**

7.3. Specific end use(s)

Recommendations : Before using read the label.

Solutions specific for industry sector : No information available.

Specific use(s) : For application in the sphere of perfumery and cosmetics independently or as a recipe component, included in compositions.

8. Exposure Controls/Personal Protection Equipment

8.1. Control parameters

Occupational exposure limits are determined on the basis of data base of international limit values GESTIS

Other occupational exposure limits



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Information on observation procedures

Relative DNEL-/DMEL-/PNEC and other threshold levels

***DERIVED NO EFFECT LEVEL (DNEL)OR DERIVED MINIMUM EFFECT LEVEL (DMEL):
LINALOOL(CAS:78-70-6)***

FINAL USE: WORKERS.
EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 5MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS.
DNEL: 15MG OF SUBSTANCE/CM²

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 2.5MG/KGBODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS.
DNEL: 15MG OF SUBSTANCE/CM²

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 16.5MG OF SUBSTANCE/M³

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 2.8MG OF SUBSTANCE/M³
FINAL USE: CONSUMERS.

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 1.2MG/KGBODY WEIGHT/DAY

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 0.2MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 2.5MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS.



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DNEL: 15MG OF SUBSTANCE/CM²

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 1.25MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS.
DNEL: 15MG OF SUBSTANCE/CM²

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL: 4.1MG OF SUBSTANCE/M³

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL: 0.7MG OF SUBSTANCE/M³

PREDICTED NO EFFECT CONCENTRATION (PNEC):
LINALOOL(CAS:78-70-6)

ENVIRONMENTAL COMPARTMENT: SOIL.
PNEC: 0.327MG/KG

ENVIRONMENTAL COMPARTMENT: FRESH WATER.
PNEC: 0.2MG/L

ENVIRONMENTAL COMPARTMENT: SEA WATER.
PNEC: 0.02MG/L

ENVIRONMENTAL COMPARTMENT: INTERMITTENT WASTE WATER.
PNEC: 2MG/L

ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT.
PNEC: 2.22MG/KG

ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT.
PNEC: 0.222MG/KG

ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENT PLANT.
PNEC: 10MG/L

8.2. Exposure control

8.2.1. Appropriate engineering controls

Measures related to the
substance/mixture used to
prevent explosions during
identified uses

: Provide a station for eye washing.
Provide adequate ventilation. Good personal



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hygiene measures are always recommended especially when working with chemicals / oils. Use personal protective equipment, clean and appropriately maintained. Keep the personal protective equipment in a clean place, far from the working area. Never eat, drink and smoke while using the substance. Remove and wash the contaminated clothing before re-use. Make sure the ventilation is adequate especially for closed areas.

8.2.2. Personal protective equipment



8.2.2.1. Eye and face protection : Avoid contact with eyes. Use eye protectors intended to protect from liquid spatters. Before starting work put on protective goggles in compliance with standard EN 166.

8.2.2.2. Skin protection

Hand protection : Use appropriate protective gloves, resistant to chemical agents in compliance with standard EN 374. The gloves should be selected according to the application and duration of use at the work place. The gloves should be selected depending on their suitability for the work station: other chemicals, that may be handled, required physical protection (cutting, pricking, thermal protection) Recommended properties: impermeable gloves in compliance with standard EN 347.

Other skin protection : Avoid skin contact. Wear adequate protective clothing. Adequate type of protective clothing: in case of considerable dispersal, wear **liquid protective clothing** against chemical risks (type 3) in compliance with EN 14605 to prevent skin contact. If risk of spatters wear protective clothing against



chemical risk (type 6) in compliance with EN 13034 to prevent skin contact.

Work clothing used by the staff should be regularly washed. Following a contact with the product all the contaminated parts of the body should be washed.

8.2.2.3. Respiratory tract protection

: A respiratory mask is recommended. Respirator approved by NIOSH or the European standard EN 149.

8.2.4. Environmental exposure control

: Avoid discharge in drainage waters. For disposal use only authorized companies.

Training measures on prevention of exposure

: Training of staff according company schedule.

Organizational measures on prevention of exposure

: Training of staff.

Engineering measures on prevention of exposure

: Training of staff.

Environmental exposure control

Basic instructions : Do not flush into surface waters.

9. Physical and chemical properties

9.1. Information on the basic physical and chemical properties

Appearance : Oily mobile liquid

Color : nearly colorless, light yellow to light yellow – green.

Odor : Strong, sweet and warm spicy-camphor scent such as cineol.



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Taste	:	slightly bitter
Odor threshold	:	No data available.
pH	:	No data available.
Freezing point in °C	:	No data available.
Melting point in °C	:	No data available.
Boiling point	:	No data available.
Boiling point / boiling range	:	No data available.
Ignition point in °C	:	56
Acid index, mg KOH/g	:	No data available.
Ester value, mg KOH/g	:	No data available.
Evaporation rate	:	No data available.
Flammability (solid substance, gas)	:	No data available.
Upper flammability/ explosion limit	:	No data available.
Lower flammability/ explosion limit	:	No data available.
Vapor pressure at 20°C	:	No data available.
Solubility	:	1:10 in 96% ethanol.
Insoluble in	:	water
Partition coefficient n-octanol/water Log/Pow	:	No data available.
Auto-ignition temperature	:	No data available.
Decomposition temperature	:	No data available.
Explosive properties	:	No data available.
Oxidizing properties	:	No data available.



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Other information

Refraction index	:	1,460 – 1,485
Relative density at d ²⁰	:	0.890 - 0.920
Polarization in 100 mm tube	:	-20 up to +2

No other information available.

10. Stability and reactivity

10.1. Reactivity

Advice	:	The product is stable at the recommended conditions of work and storage.
--------	---	--

10.2. Chemical stability

Advice	:	The product is stable at the recommended conditions of work and storage.
--------	---	--

10.3. Possible hazardous reactions

Hazardous reactions	:	Flammable liquid.
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10.4. Conditions to void

Conditions to avoid	:	Avoid exposure to heat, ignition sources / various devices that may cause flame or have metal surface at high temperature (burners, electric arcs, furnaces, etc.) should not be located in the premises, naked flames should be avoided as well. Avoid exposure to air.
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Thermal decomposition : No data available.

10.5. Incompatible materials

Materials to be avoided : Protect from oxidizers and strongly alkaline or acidic materials.

10.6. Hazardous decomposition products

Hazardous decomposition products : In the process of burning carbon oxide, carbon dioxide and unidentified organic compounds can be generated.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LINALOOL(CAS:78-70-6)

ORAL ROUTE: LD50=2200MG/KG

SPECIES: MOUSE

OECDGUIDELINE 401(ACUTE ORAL TOXICITY)

D-LIMONENE(CAS:5989-27-5)

ORAL ROUTE: LD50= 4,400 - 5,10MG/KG

SPECIES : Rat

Note : Irritates skin and mucous membranes.
May be hazardous if swallowed.

Skin Corrosion/ irritation

LINALOOL(CAS:78-70-6)

DERMAL ROUTE :LD50=5610MG/KG

SPECIES: RABBIT

OECDGUIDELINE 402(ACUTE DERMAL TOXICITY)

LINALOOL(CAS:78-70-6)

IRRITATION: AVERAGE SCORE =1.85

EFFECT OBSERVED : ERYTHEMA SCORE

SPECIES : RABBIT

DURATION OF EXPOSURE : 24hOECDGUIDELINE 404(ACUTE DERMAL IRRITATION /CORROSION)

D-LIMONENE(CAS:5989-27-5)

ORAL ROUTE: LD50= > 5000MG/KG

SPECIES : Rabbit



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D-LIMONENE(CAS:5989-27-5)

ORAL ROUTE: LD50= > 5,600 - 6000MG/KG

SPECIES : Mouse

Notes : Causes skin irritation.

Serious damage/ irritation of eyes

Notes : May cause serious eye damage.
May have irreversible impact on eyes damaging eye tissue or causing serious physical decay of vision that is not completely reversible by the end of monitoring on the 21st day.
The serious eye damage is characterized with destruction of cornea, persistent cornea opacity and iritis.

LINALOOL(CAS:78-70-6)

CORNEAL HAZE: AVERAGE SCORE =1

SPECIES : RABBIT

DURATION OF EXPOSURE : 24HOECDGUIDELINE 405 (ACUTE EYE IRRITATION /CORROSION)

IRITIS: AVERAGE SCORE =0.6

SPECIES : RABBIT

DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION)

CONJUNCTIVAL REDNESS: AVERAGE SCORE =2.3

SPECIES : RABBIT

DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION)

Respiratory or skin sensitization

Note : May cause allergic skin reaction.
Possible sensitization through skin contact.

Ingestion

Note : May be harmful if swallowed.

Mutagenicity of germ cells



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Note : No data available.

Carcinogenicity

Note : CAS 5989-27-5: IARC group 3: the agent cannot be classified regarding its carcinogenicity to humans.

Summary of the assessment of CMR properties

Note : No data available.

STOT (specific target organ toxicity) — single exposure

Note : No data available.

STOT (specific target organ toxicity) — repeated exposure

Note : No data available.

Aspiration hazard

Note : Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of lung injury or death. May be fatal if swallowed and if enters the airways.

Information on possible routes of exposure

Note : No data available.

Symptoms related to physical, chemical and toxicological characteristics

Note : Toxicological properties are not comprehensively



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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Note : Toxicological properties are not comprehensively explored.

Interactions

Note : Toxicological properties are not comprehensively explored.

Lack of specific data

Note : Toxicological properties are not comprehensively explored.

Mixtures

Note : Toxicological properties are not comprehensively explored.

Medical considerations

Note : People having rash are directed to dermatologist to be examined for allergic eczema.

Other information

Note : No other information available.

12. Ecological information

Note : Toxic for aquatic life with long-lasting effect. The



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product should not be discharged in canals or waterways.

12.1. Toxicity

Product:

Acute (short-term) toxicity:

Fish

LINALOOL(CAS:78-70-6)

FISH TOXICITY: DURATION OF EXPOSURE :96H
LC50=27.8MG/L
SPECIES :ONCORHYNCHUS MYKISS
OECDGUIDELINE 203(FISH,ACUTE TOXICITY TEST)

Toxicity to Daphnia and other aquatic invertebrates

LINALOOL(CAS:78-70-6)

CRUSTACEAN TOXICITY DURATION OF EXPOSURE :48H
EC50=59MG/L
SPECIES :DAPHNIA MAGNA
OECDGUIDELINE 202(DAPHNIA SP.ACUTE)

Algae/aquatic plants

LINALOOL(CAS:78-70-6)

IMMOBILISATION TEST

ALGAE TOXICITY: DURATION OF EXPOSURE :96H
ECr50=88.3MG/L
SPECIES :DESMODESMUS SUBSPICATUS
OTHER GUIDELINE

Bacteria

Note : No data available.

Chronic (long-term) toxicity:

Note : No data available.



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Fish

Note : No data available.

Shellfish

Note : No data available.

Algae/aquatic plants

Note : No data available.

Other organisms

Note : No data available.

12.2. Persistence and degradability

Product:

Abiotic degradability

Note : No data available.

Physical and photo-chemical elimination

Note : No data available.

Biochemical degradation

Note : No data available.

12.3. Bioaccumulation

Product:

Partition coefficient n-octanol/water (log Kow)

Note : No data available.

Bioconcentration factor (BCF)

Notes : Doesn't accumulate in biological environment.

12.4. Mobility in soil

Product:



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Known or predicted distribution in environmental components

Note : No data available.

Surface tension

Note : No data available.

Adsorption/desorption

Note : No data available.

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered persistent, bioaccumulative or toxic PBT.

Product:

Results of PBT and vPvB assessment

Notes : No data available.

12.6. Other adverse effects

Product:

Biochemical oxygen demand (BOD)

Value : No data available.

Chemical oxygen demand (BOD)

Value : No data available.

Additional information/Mobility in soil

Notes : No data available.

12.7. Additional information

Notes: : Prevent discharge of product in streams, sewer systems and other waterways.



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13. Disposal considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

Codes/designation of the waste according to LoW: -

Product : Dispose according to al local and national regulations.

Contaminated packing material : No data available.

European Waste Catalogue number : No waste code can be given to this product according to the European Waste Catalogue since it is related to its potential use.
Waste code is given after consultation with the Regional waste service.

13.1.2. Information on waste treating : No data available.

13.1.3. Information on discharge in the sewer system : Do not discharge into streams, canals and other waterways.

13.1.4. Other recommendations on waste disposal : No data available.

14. UN number

1993

14.1. UN proper shipping name

1993 FLAMMABLE LIQUID o.y.o. (HYSSOP OIL)

14.2. Transport hazard class(es)

Class 3, Code: F1.

14.3. Packing group

III, Tunnel Code (D/E)



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14.4. Environmental hazard



14.5. Special precautions for user

Do not smoke near transport vehicles when loading the packings. Check if the packings are correctly positioned in the vehicle and if they are correctly labeled.

Poison Schedule: S6

14.6. Transport in bulk according to Annex II to MARPOL 73/78 and IBC“

TARIFF CODE: 3301.29.00

Road transport

ADR *1993 FLAMMABLE LIQUID n.o.s. (HYSSOP OIL)*

RID *1993 FLAMMABLE LIQUID n.o.s. (HYSSOP OIL)*

Waterway transport

ADN *1993 FLAMMABLE LIQUID n.o.s. (HYSSOP OIL)*

Maritime transport

IMDG *1993 FLAMMABLE LIQUID n.o.s. (HYSSOP OIL)*

Air transport



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IATA/CAO

1993 FLAMMABLE LIQUID n.o.s. (HYSSOP OIL)

15. Regulatory Information

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

Other regulations / Laws	:	This safety data sheet is consistent with the Law on Protection from Harmful Effects of Chemicals and the Ordinance on Classification, Packaging and Labelling
EU legislative acts		According to the regulations of EU.
Permits or restrictions for use	:	Observe the restriction on youth work.
Permits	:	Not required.
Restrictions for use		No information available.
Other legal acts of EU		According to applicable Regulations

Information according to Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC Guide)

Restrictions for use in working environment	:	Occupational exposure limits EH40.
Other legal acts, restrictions and prohibitive standards	:	No information available.

15.2. Chemical Safety Assessment

No data available.

The supplier has not prepared a chemical safety assessment for this substance/mixture.

16. Other information

Shelf life : 36 years following the date of manufacture.



Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Abbreviations and acronyms:

Abbr.	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures ((European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
DMEL	Derived Minimal Effect Level (Получена минимална действаща доза/концентрация)
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals"
IMDG	International Maritime Dangerous Goods Code
IOELV	indicative occupational exposure limit value
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. to Marine Pollutant)
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration (предполагаема недействаща концентрация)
ppm	parts per million (части на милион)
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)
vPvB	very Persistent and very Bioaccumulative

Flammable liquids (Flam. Liq. 3)

Aspiration hazard (Asp Tox 1)

Skin irritation Corrosion/irritation 2

Eye irritation (Corrosion) Damage/Irritation. 2A

Aquatic hazard Aquatic Chronic 2

Main references and sources of data in the literature



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- **Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830/EU**

- **Regulation (EC) No 1272/2008 (CLP, EC GHS)**

	List of relevant phrases (code and full text as defined in Section 2 and 3)
Code	Text
H226	Flammable liquid and vapors.
H304	May be fatal if swallowed and if enters the airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H411	Aquatic toxic with long-lasting effect.
EUH 208	Contains Limonene, Linalool. May cause allergic reaction.
	List of instructions for safe handling, used in the safety document
P102	Keep away from children.
P210	Keep away from heat/sparks/naked flames/hot surfaces. Do not smoke.
P261	Avoid inhaling evaporations
P264	Thoroughly wash hands after handling
P273	Avoid releasing in environment
P280	Use protective gloves/protective clothing/protective goggles/ protective face mask
P301 + P310	IF SWALLOWED: Immediately call the TOXICOLOGY CENTER or a doctor.
P303 + P361 P353	IF CONTACT WITH SKIN (or hair): immediately take off the contaminated clothing. Rinse the skin with water [or take a shower]
P337+ P313	If eye irritation persists: seek medical advice / help
P333 + P313	If skin irritation or rash occurs: seek medical advice / help
P305+P351+ P338	IF CONTACT WITH EYES: Wash thoroughly with water for several minutes. Remove the contact lenses if there are such and if possible. Continue washing.
P362	Take off the contaminated clothing and wash it before re-use
P403 + P235	Store in well ventilated place. Keep in a cool place.
P391	Collect the spillage
P501	Dispose of the content / container at a disposal site approved according the local and national regulations

Other information :

In accordance with general product specification:
The information in this material safety data sheet is meant to represent typical data/analysis for this product and was obtained from current and reliable sources.

To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication.

The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee (expressed or implied) or quality specification with respect to the correctness



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or accuracy.

It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.

The information relates to the specific product only and is not valid when used in combination with other materials or in any process, unless specified in the text.

The information provided does not constitute a delivery contract regarding any specification or for a given application, the buyer must determine for himself their requirements and recommendations for use of the product.

Disclaimer:

The data in this Safety Data Sheet correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Data Sheet, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products.

If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Data Sheet cannot be assigned to the new material unless expressly stated otherwise.

E N D!



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LIST OF 26 ALLERGEN SUBSTANCES OF THE 7.AMENDMENT OF THE 76/768/CEE DIRECTIVE

Customer: "ALTEYA ORGANICS" LLC – Yagoda village, Stara Zagora, 1. "Rozovarna" St.

Name of product: Organic Hyssop Oil – cold pressed
(HYSSOPUS OFFICINALIS HERB OIL - ORGANIC)

	NAME OF SUBSTANCES	REMARK	CAS №	EINECS №	NATURAL %	SYNTHET IC %	TOTAL %
1	AMYL CINNAMAL	H317; H411	122-40-7	204-541-5	-	-	-
2	AMYL CINNAMYL ALCOHOL	H315; H317	101-85-9	202-982-8	-	-	-
3	ANISE ALCOHOL	H302; H318 H317	105-13-5	203-273-6	-	-	-
4	BENZYL ALCOHOL	H332; H302	100-51-6	202-859-9	-	-	-
5	BENZYL BENZOATE	H302	120-51-4	204-402-9	-	-	-
6	BENZYL CINNAMATE	H317; H411	103-41-3	203-109-3	-	-	-
7	BENZYL SALICYLATE	H317; H411	118-58-1	204-262-9	-	-	-
8	CINNAMAL	H312; H315 H317	104-55-2	203-213-9	-	-	-
9	CINNAMYL ALCOHOL	H317	104-54-1	203-212-3	-	-	-
10	CITRAL	H315; H317	5392-40-5	226-394-6	-	-	-
11	CITRONELLOL	H315; H317 H411	106-22-9	203-375-0	-	-	-
12	COUMARIN	H302; H317	91-64-5	202-086-7	-	-	-
13	EUGENOL	H319; H317	97-53-0	202-589-1	-	-	-
14	FARNESOL	H315; H319	4602-84-0	225-004-1	-	-	-
15	ALPHA-ISOMETHYL IONONE	H412	127-51-5	204-846-3	-	-	-
16	GERANIOL	H315; H317	106-24-1	203-377-1	-	-	-
17	HEXYL CINNAMAL	H317;	101-86-0	202-983-3	-	-	-
18	HYDROXYCITRONELLAL	H319; H317	107-75-5	203-518-7	-	-	-
19	ISOEUGENOL	H312; H302 H319; H315 H317	97-54-1	202-590-7	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	H317	80-54-6	201-289-8	-	-	-
21	LIMONENE	H226; H315 H317; H411	5989-27-5	227-813-5	0,01 ≥ 4,0	-	0,01 ≥ 4,0
22	LINALOOL	H315	78-70-6	201-134-4	0,01 ≥ 0,2	-	0,01 ≥ 0,2
23	HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	H317	31906-04-4	250-863-4	-	-	-
24	METHYL 2-OCTYNOATE	H302; H317	111-12-6	203-836-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)	H317	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	H317	90028-68-5	289-861-3	-	-	-

According to Regulation EO 1223/2009 и Directive 76/768/EEC is hereby amended as follows:

The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds:— **0,001 %** in "leave-on" products, (and)— **0,01 %** in "rinse-off" products