

**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Organic Pure Thyme Essential Oil**

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

Trade name: Organic Pure Thyme Essential Oil  
Steam distillation of the flowery aerial parts, 100% pure and natural  
INCI Thymus vulgaris flower/leaf oil  
CAS No. : 8007-46-3 / 84929-51-1  
EINECS No. : 284-023-3  
REACH pre-registration No. : 01-2119520508-42  
Utilization: Raw material for cosmetic or professional use  
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, [www.elemental.eu](http://www.elemental.eu)  
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.  
International emergency number: +49 180 2273-112

**2. Hazards Identification**

**2.1. Classification of the substance or mixture**

GHS Classification : (Regulation CLP)  
AH1 Aspiration hazard 1  
ATO4 Acute toxicity oral 4  
ED11 Serious eye damage / eye irritation 1  
EHC2 Hazardous to the aquatic environment, long-term hazard 2  
FL3 Flammable Liquids 3  
SC11B Skin corrosion / irritation 1B  
SS1 Sensitization skin 1  
H226 - Flammable liquid and vapor.  
H302 - Harmful if swallowed.  
H304 - May be fatal if swallowed and enters airways.  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H411 - Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

GHS Classification : (Regulation CLP)  
Warning mention : Danger  
AH1 Aspiration hazard 1  
ATO4 Acute toxicity oral 4  
ED11 Serious eye damage / eye irritation 1  
EHC2 Hazardous to the aquatic environment, long-term hazard 2  
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H411 - Toxic to aquatic life with long lasting effects.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/  
P302+P352 - IF ON SKIN: Wash with plenty of water/  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 - Dispose of contents/ container in accordance with local/ regional/ national/ international regulation.

2.3. Other hazards

Contains: Thymol, p-Cymene, p-Mentha-1,4-diene, Carvacrol, 1-Octen-3-ol, Terpinene-4-ol, alpha terpinene, Camphor.

**3. Declaration of ingredients**

3.1 Substances

Substance	CAS	EINECS	Risk Symbol	%
Thymol	89-83-8	201-944-8	ATO4, EDI1, EHC2, SCI1B - H302, H314, H318, H411	55.00
p-Cymene	99-87-6	202-796-7	AH1, EHC2, FL3 - H226, H304, H411	40.00
p-Mentha-1,4-diene	99-85-4	202-794-6	AH1, FL3 - H226, H304	25.00
Carvacrol	499-75-2	207-889-6	ATO4, EDI2, SCI2, SS1B - H302, H315, H317, H319	15.00
Linalool	78-70-6	201-134-4	EDI2, SCI2, SS1B - H315, H317, H319	8.00
beta-Caryophyllene	87-44-5	201-746-1	AH1, SS1B - H304, H317	7.00
1-Octen-3-ol	3391-86-4	222-226-0	ATI4, ATO4, EDI2, EHA1, SCI2 - H302+H332, H315, H319, H400	4.00
Eucalyptol	470-82-6	207-431-5	FL3, SS1B - H226, H317	4.00
Myrcene	123-35-3	204-622-5	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	4.00
Terpinene-4-ol	562-74-3	209-235-5	ATO4, EDI2, SCI2 - H302, H315, H319	4.00

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alpha-Pinene	80-56-8	201-291-9	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	4.00
alpha-terpinene	99-86-5	202-795-1	AH1, ATO4, EHC2, FL3 - H226, H302, H304, H411	4.00
d-Limonene	5989-27-5	227-813-5	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	4.00
Camphene	79-92-5	201-234-8	ED12, EHA1, EHC1, FL3 - H226, H319, H400, H410	3.00
Camphor	76-22-2	200-945-0	AT14, ATO4, STO-SE2 - H302+H332, H371	3.00

3.2. Mixtures  
Not concerned.

#### 4. First aid measures

Contact with skin : Wash immediately and abundantly with water and soap. Rinse then with clear water.

Contact with eyes : Abundant rinsing with water (15 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophthalmologist.

In the event of swallowing : Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

In the event of excessive inhalation : Move the victim to fresh air. Get medical advice immediately.

Soiled clothing : Withdraw soiled clothing and re-use them only after decontamination.

#### 5. Fire fighting measures

##### 5.1. Extinguishing media

Recommended : foam, dry powder, carbon dioxide (CO<sub>2</sub>)

Inadvisable : avoid full water jet

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

Flammability : The product is not easily flammable.

Prevention: Do not smoke. Do not use flame near.

##### 5.3. Advice for firefighters

Never use a direct stream of water.

#### 6. Accidental release measures

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**6.1. Personal precautions, protective equipment and emergency procedures**

Use appropriate personal protective equipment during clean-up.

**6.2. Environmental precautions**

Do not allow to enter sewers/ surface or ground water.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**6.4. Reference to other sections**

Not concerned.

**7. Handling and storage**

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**7.1. Precautions for safe handling**

Close packing after use. Reproduce labeling if transfer in another container.

**7.2. Conditions for safe storage, including any incompatibilities**

- Avoid any useless exposure. Keep away from food and drinks.
- Preserve only in the container of origin in a clean and dry place. Keep the containers closed when not in use.
- Do not leave it near heat sources, direct rays of the sun.

**7.3. Specific end use(s)**

Wash the hands and any other exposed area with soap and water before eating, drinking, smoking and before leaving work.

**8. Exposure controls / personal protection**

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**8.1. Control parameters**

Not concerned

**8.2. Exposure controls**

General protective and hygienic measures: Avoid skin and eyes contact. Keep away from foodstuffs, beverages and food. Wash hands before breaks and at the end of work.

Personal Protection :

- Hand protection: Wear gloves.
- Eye protection: Wear glasses.
- Respiratory protection : Wear a mask.

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-Ingestion : Do not drink and smoke during use.

## 9. Physical and chemical properties

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

Appearance :liquid

Color : Yellow to brownish red

Odor : Aromatic, herbaceous, spicy

### 9.2. Other information

Angular rotation at 20°C (°) : [-5 ; +5]

Relative density at 20°C : [0.895 ; 0.930]

Refractive index at 20°C : [1.450 ; 1.510]

Flash point (°C) : [+45 ; +60]

## 10. Stability and reactivity

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### 10.1. Reactivity

Not concerned

### 10.2. Chemical stability

Not concerned

### 10.3. Possibility of hazardous reactions

Not concerned

### 10.4. Conditions to avoid

Not concerned

### 10.5. Incompatible materials

Not concerned

### 10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, overheating. Avoid direct rays of the sun. No decomposition if used according to specifications.

Dangerous decomposition products: No dangerous decomposition products known.

## 11. Toxicological information

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### 11.1. Information on toxicological effects

Acute : - Oral: 874,16 (Determined)

- Inhalation: Not classified

- Skin: Not classified

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**12. Ecological information**

12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2. Persistence and degradability

Not concerned

12.3. Bioaccumulative potential

Not concerned

12.4. Mobility in soil

Not concerned

12.5. Results of PBT and vPvB assessment

Not concerned

12.6. Other adverse effects

Not concerned









**13. Disposal considerations**

13.1. Waste treatment methods

Product : Do not dispose of with waste. Do not let penetrate the sewers.

Soiled packaging : Dispose in accordance with regulations.

**14. Transport information**

ADR / RID	IMDG	IATA
  	  	 

14.1. UN number

ADR : 2924 ( Tunnel code(D/E) )

IMDG:2924

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IATA :2924

**14.2. UN proper shipping name**

ADR : FLAMMABLE LIQUID, CORROSIVE, N.O.S.(Para-cymene, Thymol)  
IMDG: FLAMMABLE LIQUID, CORROSIVE, N.O.S.(Para-cymene, Thymol)  
IATA :FLAMMABLE LIQUID, CORROSIVE, N.O.S.(Para-cymene, Thymol)

**14.3. Transport hazard class(es)**

ADR : 3 (8)  
IMDG:3 (8)  
IATA :3 (8)

**14.4. Packing group**

ADR : III  
IMDG:III  
IATA :III

**14.5. Environmental hazards**

IMDG : Marine Pollutant  
Marine pollutant(s) : Thymol

**14.6. Special precautions for user**  
Not concerned

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
Not concerned

**15. Regulatory information**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Not applicable

**15.2. Chemical safety assessment**  
Not applicable

**16. Additional information**

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**16.1. Full text of H phrases text in point 3 :**

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.

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H302+H332 Harmful if swallowed or if inhaled  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H371 May cause damage to organs.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**16.2. Abbreviations:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
LTE: Long-term exposure.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STE: Short-term exposure.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.

**DECLARATION OF ALLERGENS**

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

Compounds	CAS	% Natural	% Synthetic	% Total
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde	31906-04-4	-	-	-
alpha-Amylcinnamyl alcohol	101-85-9	-	-	-
alpha-Amylcinnamaldehyde	122-40-7	-	-	-
alpha-Hexylcinnamaldehyde	101-86-0	-	-	-
alpha-iso-Methylionone	127-51-5	-	-	-



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Anisyl alcohol	105-13-5	-	-	-
Benzyl alcohol	100-51-6	-	-	-
Benzyl benzoate	120-51-4	-	-	-
Benzyl cinnamate	103-41-3	-	-	-
Benzyl salicylate	118-58-1	-	-	-
Cinnamaldehyde	104-55-2	-	-	-
Cinnamyl alcohol	104-54-1	-	-	-
Citral	5392-40-5	1,0000	-	1,0000
Coumarin	91-64-5	-	-	-
dl-Citronellol	106-22-9	-	-	-
d-Limonene	5989-27-5	4,0000	-	4,0000
Eugenol	97-53-0	0,5000	-	0,5000
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	2,0000	-	2,0000
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Linalool	78-70-6	8,0000	-	8,0000
Methyl 2-octynoate	111-12-6	-	-	-
Oakmoss absolute	9000-50-4, 689	-	-	-
p-t-Butyl-alpha-methylhydrocinnamic aldehyde	80-54-6	-	-	-
Treemoss (E. furfurac.)	68648-41-9, 68	-	-	-

**Disclaimer:**

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.