



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Organic Pure Lemon Essential Oil, Furanocoumarin free, COSMOS**

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

Trade name: Organic Pure Lemon Essential Oil, Furanocoumarin free, COSMOS  
Expression of the fresh pericarp of the fruit, followed by a distillation of the essential oil obtained, 100% pure and natural

INCI Citrus limon peel oil  
CAS No. : 8008-56-8 / 84929-31-7  
EINESCS No. : 284-515-8  
REACH pre-registration No. : -  
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  
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  
EHA1 Hazardous to the aquatic environment, acute hazard 1  
EHC1 Hazardous to the aquatic environment, long-term hazard 1  
FL3 Flammable Liquids 3  
SCI2 Skin corrosion / irritation 2  
SS1 Sensitisation skin 1  
H226 - Flammable liquid and vapor.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H410 - Very toxic to aquatic life with long lasting effects.

**2.2 Label elements**

**GHS Classification : (Regulation CLP)**

Warning mention : Danger  
AH1 Aspiration hazard 1  
EHA1 Hazardous to the aquatic environment, acute hazard 1  
EHC1 Hazardous to the aquatic environment, long-term hazard 1  
FL3 Flammable Liquids 3  
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H410 - Very 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/...  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/container according to applicable legislation.

## 2.2 Other hazards

Contains: **d-Limonene, beta-Pinene, p-Mentha-1,4-diene, Citral, Myrcene, alpha-Pinene**

## 3. Declaration of ingredients

Product not concerned by the component list.

### 3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	%
d-Limonene	5989-27-5	-	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	80.00
beta-Pinene	127-91-3	-	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	18.00
p-Mentha-1,4-diene	99-85-4	-	AH1, FL3 - H226, H304	15.00
Citral	5392-40-5	-	EDI2, SCI2, SS1B - H315, H317, H319	4.00
Myrcene	123-35-3	-	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	4.00
alpha-Pinene	80-56-8	-	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	4.00
p-Cymene	99-87-6	-	AH1, EHC2, FL3 - H226, H304, H411	3.00

### 3.2. Mixtures

Not concerned

## 4. First aid measures

### 4.1 Description of 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.



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**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

#### 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

#### 7.1. Precautions for safe handling

Close packing after use. Reproduce labeling if transferred 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 source, direct rays of the sun.

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

Wash hands and any other area exposed 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 feed. 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.
- Ingestion : Do not use, drink and smoke during use.

## 9. Physical and chemical properties

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

Aspect : Clear Liquid

Color : [Clear yellow ; Greenish]

Odor : Fresh

### 9.2. Other information

Angular rotation at 20°C (°) : [+55 ; +75]

Relative density at 20°C : [0.835 ; 0.860]

Refractive index at 20°C : [1.460 ; 1.490]

Flash point (°C) : [+45 ; +59]

## 10. Stability and reactivity

### 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.

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**11. Toxicological information**

**11.1. Information on toxicological**

**Toxicological Information Acute:**

- **Oral**  
Not determined
- **Inhalation**  
Not determined
- **Skin**  
Not classified

**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 :** Recommendation : Does not have to be disposed of with waste. Do not let penetrate the sewers.

**Unclean packaging :** Recommendation : Evacuation in accordance with regulations.

**14. Transport information**

ADR / RID	IMDG	IATA
 	 	 



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### 14.1. UN number

ADR : 1169 ( Tunnel code(D/E) )  
IMDG:1169  
IATA :1169

### 14.2. UN proper shipping name

ADR : EXTRACTS, AROMATIC, LIQUID  
IMDG: EXTRACTS, AROMATIC, LIQUID  
IATA :EXTRACTS, AROMATIC, LIQUID

### 14.3. Transport hazard class(es)

ADR : 3  
IMDG:3  
IATA :3

### 14.4. Packing group

ADR : III  
IMDG:III  
IATA :III

### 14.5. Environmental hazards

Marine pollutant(s) : **d-Limonene**

### 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

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

Not concerned

### 15.2. Chemical safety assessment

Not concerned

## 16. Additional information

### 16.1. Full H sentences text in point 3 :

H226 Flammable liquid and vapor.  
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.  
H400 Very toxic to aquatic life.



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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Material security data sheet according to 2001/58/CEE.

**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	C.A.S	% 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	-	-	-
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	-	-	-



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Cinnamaldehyde	104-55-2	-	-	-
Cinnamyl alcohol	104-54-1	-	-	-
Citral	5392-40-5	4,0000	-	4,0000
Coumarin	91-64-5	-	-	-
dl-Citronellol	106-22-9	0,1000	-	0,1000
d-Limonene	5989-27-5	80,0000	-	80,0000
Eugenol	97-53-0	0,1000	-	0,1000
Farnesol	4602-84-0	-	-	-
Geraniol	106-24-1	0,1000	-	0,1000
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	-	-	-
Linalool	78-70-6	0,5000	-	0,5000
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	-	-	-
<b>Total :</b>		<b>84,8000</b>	<b>-</b>	<b>84,8000</b>

**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.