

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

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

Trade name: Organic Pure Lemongrass Essential Oil  
Steam distillation of the herbaceous parts of the Cymbopogon flexuosus plant,  
100% pure and natural

INCI Cymbopogon flexuosus oil

CAS No. : 8007-02-1 / 91844-92-7

EINECS No. : 289-752-0

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

ED11 Serious eye damage / eye irritation 1

EHC2 Hazardous to the aquatic environment, long-term hazard 2

SCI2 Skin corrosion / irritation 2

SS1 Sensitization skin 1

H304 - May be fatal if swallowed and enters airways.


H315 - Causes skin irritation.

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**

Hazard pictograms	
Hazard categories	AH1 Aspiration hazard 1 ED11 Serious eye damage / eye irritation 1 EHC2 Hazardous to the aquatic environment, long-term hazard 2 SCI2 Skin corrosion / irritation 2

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	SS1 Skin sensitization 1
Hazard statements	H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements	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/ P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P501 - Dispose of contents/container in accordance with local/ regional/ national/ international regulation.
European Union specific hazard statements	None

## 2.2 Other hazards

Contains: Citral, Geraniol, Geranyl acetate, d-Limonene, alpha-Terpineol, Myrcene, Linalool

## 3. Declaration of ingredients

Product not concerned by the component list.

### 3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	%
Citral	5392-40-5	-	EDI2, SCI2, SS1B - H315, H317, H319	88.00
Geraniol	106-24-1	-	EDI1, SCI2, SS1 - H315, H317, H318	10.00
Geranyl acetate	105-87-3	-	EHC3, SCI2, SS1B - H315, H317, H412	8.00
d-Limonene	5989-27-5	-	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	5.00
6-Methyl-5-hepten-2-one	110-93-0	-	FL3 - H226	4.00
alpha-Terpineol	98-55-5	-	EDI2, SCI2 - H315, H319	4.00
beta-Caryophyllene	87-44-5	-	AH1, SS1B - H304, H317	4.00

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Camphene	79-92-5	-	EHA1, EHC1, FL3 - H226, H400, H410	3.00
Linalool	78-70-6	-	EDI2, SCI2, SS1B - H315, H317, H319	3.00
Myrcene	123-35-3	-	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	3.00
Isoeugenol	97-54-1	-	ATD4, ATO4, EDI2, SCI2, SS1A - H302+H312, H315, H317, H319	1.00
dl-Citronellol	106-22-9	-	EDI2, SCI2, SS1B - H315, H317, H319	1.00
Eugenol	97-53-0	-	EDI2, SS1B - H317, H319	0.50
Farnesol	4602-84-0	-	EDI2, SCI2, SS1B - H315, H317, H319	0.10

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.

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.

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**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

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**7. Handling and storage**

**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 fresh place and broken down well. Keep the containers closed out of their use.

-Do not leave it near heat source, direct rays of the sun

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

Wash the hands and any other zone exposed with soap and water before eating, drinking, to smoke and before leaving work.

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**8. Exposure controls / personal protection**

**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.

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**9. Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Texture : Clear liquid

Color : [Pale yellow ; Yellow orangey]

Odor : Citral-like, fresh

9.2. Other information

Angular rotation at 20°C (°) : [-5 ; +1]

Relative density at 20°C : [0.885 ; 0.905]

Refractive index at 20°C : [1.480 ; 1.495]

Flash point (°C) : [+80 ; +95]

**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: 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 classified

- Inhalation

Not determined

- Skin

2 556,89 (Determined)

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**12. Ecological information**

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**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 evacuated with the refuse . Not to let penetrate in the sewers.  
Not cleaned packing : Recommendation : Evacuation in accordance with the regulations.

**14. Transport information**

ADR / RID	IMDG	IATA
 	 	 

**14.1. UN number**

ADR : 3082

IMDG: 3082

IATA : 3082

**14.2. UN proper shipping name**

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s .(d-limonene, camphene)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s .(d-limonene, camphene)

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s .(d-limonene, camphene)

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

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ADR : 9  
IMDG: 9  
IATA : 9

**14.4. Packing group**

ADR : III  
IMDG: III  
IATA : III

**14.5. Environmental hazards**

IMDG : Marine Pollutant  
Marine pollutant(s) : d-limonene, camphene

**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.
H302	Harmful if swallowed.
H302+H312	Harmful if swallowed or in contact with skin
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
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.
H412	Harmful 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	-	-	-



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Benzyl salicylate	118-58-1	-	-	-
Cinnamaldehyde	104-55-2	-	-	-
Cinnamyl alcohol	104-54-1	-	-	-
Citral	5392-40-5	88,0000	-	88,0000
Coumarin	91-64-5	-	-	-
dl-Citronellol	106-22-9	1,0000	-	1,0000
d-Limonene	5989-27-5	5,0000	-	5,0000
Eugenol	97-53-0	0,5000	-	0,5000
Farnesol	4602-84-0	0,1000	-	0,1000
Geraniol	106-24-1	10,0000	-	10,0000
Hydroxycitronellal	107-75-5	-	-	-
Isoeugenol	97-54-1	1,0000	-	1,0000
Linalool	78-70-6	3,0000	-	3,0000
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.