



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**YLANG-YLANG COMPLETE PURE ESSENTIAL OIL**

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

Trade name: Ylang-ylang Complete Pure Essential Oil  
I.N.C.I. Cananga Odorata Flower Oil  
CAS No. : 83863-30-3  
EINESCS No. : 281-092-1  
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

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Reproductive toxicity, Category 2 H361  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

2.2 Label elements

Hazard pictograms (CLP)



GHS07 GHS08

Signal word (CLP) : Danger

Hazard statements (CLP) : 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.  
H361 - Suspected of damaging fertility or the unborn child.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P201 - Obtain special instructions before use.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/.... Do NOT induce vomiting.



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P308+P313 - IF exposed or concerned: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

### 3. Declaration of ingredients

#### 3.1. Substances

Name	YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and natural
CAS-No.	83863-30-3
EC-No.	281-092-1

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
beta-Caryophyllene	(CAS-No.) 87-44-5 (EC-No.) 201-746-1	<= 17	Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
(E,E)-alpha-Farnesene	(CAS-No.) 502-61-4 (EC-No.) 207-948-6	<= 14	Not classified
Geranyl acetate	(CAS-No.) 105-87-3 (EC-No.) 203-341-5	<= 10	Skin Sens. 1B, H317 Skin Irrit. 2, H315 Aquatic Chronic 3, H412
benzyl benzoate	(CAS-No.) 120-51-4 (EC-No.) 204-402-9 (EC Index-No.) 607-085-00-9	<= 8	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4	<= 8	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Methyl para cresol	(CAS-No.) 104-93-8 (EC-No.) 203-253-7	<= 4	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Repr. 2, H361
Benzyl salicylate	(CAS-No.) 118-58-1 (EC-No.) 204-262-9	<= 3	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Benzyl acetate	(CAS-No.) 140-11-4 (EC-No.) 205-399-7	<= 3	Aquatic Chronic 3, H412
Cinnamyl acetate	(CAS-No.) 103-54-8 (EC-No.) 203-121-9	<= 3	Not classified
trans-trans-Farnesol	(CAS-No.) 106-28-5	<= 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Geraniol	(CAS-No.) 106-24-1 (EC-No.) 203-377-1	<= 2	Skin Sens. 1B, H317 Skin Irrit. 2, H315 Eye Dam. 1, H318



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Isoeugenol	(CAS-No.) 97-54-1 (EC-No.) 202-590-7	<= 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 STOT SE 3, H335
alpha-Pinene	(CAS-No.) 80-56-8 (EC-No.) 201-291-9 <= 0.3 Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H31	<= 0.3	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Comments : Analysis method : gas chromatography (GC/FID) area % according to normalization method (ISO 7609 and 11024)

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

## 4. First aid measures

### 4.1 Description of first aid measures

First-aid measures general : Call a doctor immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Call a doctor immediately

### 4.2 Main symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : Risk of lung oedema.

### 4.3 Indication to consult a physician immediately or any special treatments

Treat symptomatically.

## 5. Fire fighting measures

### 5.1 Means of extinction

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use water jet.

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



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Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3 Recommendations for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. Accidental release measures

### 6.1 Personal precautions, protective devices and emergency procedures

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"

### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and materials for containment and remediation

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4 Reference to other sections

For further information refer to section 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

### 7.3 Specific end uses

No additional information available

## 8. Exposure controls / personal protection

### 8.1 Control parameters

No data available



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#### 8.2 Exposure controls

Appropriate engineering controls:  
Ensure good ventilation of the work station.

Hand protection: Protective gloves  
Eye protection: Safety glasses  
Skin and body protection: Wear suitable protective clothing  
Respiratory protection: In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls:  
Avoid release to the environment.

## 9. Physical and chemical properties

### 9.1 Information on physical and chemical properties

Physical state : Liquid  
Appearance : liquid at room temperature  
Colour : Yellow  
Odour : floral  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point : No data available  
Flash point : 80 °C  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Not applicable  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : 0.921 - 0.965  
Solubility : No data available  
Log Pow : No data available  
Viscosity, kinematic : < 20 mm<sup>2</sup>/s  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available  
Refractive index : 1.5 – 1.511

### 9.2 Other information

None

## 10. Stability and reactivity

### 10.1 Responsiveness

The product is non-reactive under normal conditions of use, storage and transport.



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#### 10.2 Chemical stability

Stable under normal conditions

#### 10.3 Possibility of dangerous reactions

No dangerous reactions known under normal conditions of use

#### 10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5 Incompatible materials

No additional information available

#### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and natural (83863-30-3)

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit > 5000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic < 20 mm<sup>2</sup>/s

## 12. Ecological information

### 12.1 Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulation potential

No data available

### 12.4 Ground mobility

No data available

### 12.5 Results of PBT and vPvB assessment: No data available



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12.6 Other adverse effects  
No data available

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### 14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

#### 14.6 Special precautions for users

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

### 15. Regulatory information

15.1 Regulations and legislation on health, safety and environment specific to the substance or mixture

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code Applicable on



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3(a) alpha-Pinene

3(b) YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and natural; Methyl para cresol; Geraniol ; Benzyl salicylate ; benzyl benzoate ; Linalool ; beta-Caryophyllene ; Isoeugenol ; Geranyl acetate ; trans-trans-Farnesol ; alpha-Pinene

3(c) YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and natural; Benzyl salicylate ; benzyl benzoate ; Benzyl acetate ; beta-Caryophyllene ; Geranyl acetate ; alpha-Pinene

YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and naturalis not on the REACH Candidate List

YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and naturalis not on the REACH Annex XIV List

YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and naturalis not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

YLANG-YLANG COMPLETE ESSENTIAL OIL 100% pure and naturalis not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

15.2 Chemical safety assessment: No data available

## 16. Additional information

### 16.1 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.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1





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Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
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.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

#### DECLARATION OF ALLERGENS

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

ALLERGENS	CAS	%
Anisyl alcohol	105-13-5	nd
Benzyl alcohol	100-51-6	≤ 0,05
Cinnamyl alcohol	104-54-1	nd
Benzyl benzoate	120-51-4	≤ 8,00
Benzyl cinnamate	103-41-3	nd
Benzyl salicylate	118-58-1	≤ 2,00



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Cinnamal	104-55-2	nd
Citral	5392-40-5	≤ 0,20
Citronellol	106-22-9	nd
Coumarin	91-64-5	nd
D-limonene	5989-27-5	≤ 0,10
Eugenol	97-53-0	≤ 0,80
Farnesol	4602-84-0	≤ 2,50
Geraniol	106-24-1	≤ 1,50
Isoeugenol	97-54-1	≤ 0,25
Linalool	78-70-6	≤ 8,00
Tree moss	90028-67-4	nd
Oak moss	90028-68-5	nd
Phenylacetaldehyde	122-78-1	nd

**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.