



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

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

Trade name:	Curcuma pure essential oil
I.N.C.I.	Curcuma Longa Rhizome Extract
CAS TSCA No. :	8024-37-1
EINESCS No. :	283-882-1
CAS EINECS No :	84775-52-0
FEMA No :	3086
CoE No:	163
FDA No:	182.10
REACH pre-registration No. :	/
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	<b>Elemental SRL</b> , 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 : (RegulationCLP)

AH1 Aspiration hazard 1

EHC3 Hazardous to the aquatic environment, long-term hazard 3

REP2 Reproductive toxicity 2

SS1 Sensitisation skin 1

H304 - May be fatal if swallowed and enters airways.

H317 - May cause an allergic skin reaction.

H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412 - Harmful to aquatic life with long lasting effects.

2.2 Label elements

GHS Classification : (RegulationCLP)

Warning mention : Danger



AH1 Aspiration hazard 1

EHC3 Hazardous to the aquatic environment, long-term hazard 3

REP2 Reproductive toxicity 2

SS1 Sensitisation skin 1

H304 - May be fatal if swallowed and enters airways.

H317 - May cause an allergic skin reaction.

H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412 - Harmful to aquatic life with long lasting effects.

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/...

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

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

P501 - Dispose of contents/container according to applicable legislations



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

### 2.3 Other Hazards

Contains p-Cymene, l-.beta.-Bisabolene

## 3. Declaration of ingredients

### 3.1. Substances

Material	C.A.S	EINECS	Risk Symbol	%
Eucalyptol (Cinéole-1.8)	470-82-6	207-431-5	FL3, SS1B - H226, H317	6.00
p-Cymene	99-87-6	202-796-7	AH1, EHC2, FL3, REP2 - H226, H304, H361, H411	6.00
l-.beta.-Bisabolene	495-61-4	-	AH1, SCI2, SS1B - H304, H315, H317	3.00

### 3.2. Mixtures

No data available

## 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 swallowed : Not make vomit, maintain the patient at rest. Resort to the medical care.  
In the event of excessive inhalation : Move the victim to fresh air. Get medical advise immediately.  
Soiled clothing : Withdraw soiled clothing and re-use them only after decontamination.

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

No data available

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

No data available

## 5. Fire fighting measures

### 5.1 Means of extinction

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

### 5.3 Recommendations for fire-fighters

Never use a direct stream of water.

## 6. Accidental release measures



## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### CURCUMA PURE ESSENTIAL OIL

#### 6.1 Personal precautions, protective devices 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 materials for containment and remediation

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

#### 6.4 Reference to other sections

No data available

### 7. Handling and storage

#### 7.1 Precautions for safe handling

Close packing after use. Reproduce labelling 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 uses

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

### 8. Exposure controls / personal protection

#### 8.1 Control parameters

No data available

#### 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 nitrile gloves.

Eyes protection : Wear protection eyeglasses.

Respiratory protection : Wear a protection mask.

Ingestion : Do not use, drink and smoke during use.

### 9. Physical and chemical properties

#### 9.1 Information on physical and chemical properties

Appearance: liquid

Color: pale yellow to dark yellow

Odor: characteristic, spicy, woody

pH-value: no data available

Melting point: no data available

Boiling point: no data available

Sublimation point: no data available



## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### CURCUMA PURE ESSENTIAL OIL

Softening point: no data available

Lower explosion limits: no data available

Upper explosion limits: no data available

Vapor pressure: no data available

Principal constituents : Turmerone (25 à 55%), Alpha-curcumene (5 à 20%), Curcuphenol (2 à 15%), Gamma-curcumene (2 - 10%)

Angular rotation at 20°C (°) : [-30 ; +50]

Relative density at 20°C : [0.900 ; 0.970]

Refractive index at 20°C : [1.500 ; 1.550]

Flash point (°C) : [+80 ; +90]

Water solubility: no data available

Solubility in other solvents: no data available

Partition coefficient: no data available

Vapor density: no data available

#### 9.2 Other information

None

## 10. Stability and reactivity

#### 10.1 Responsiveness

No data available

#### 10.2 Chemical stability

No data available

#### 10.3 Possibility of dangerous reactions

No data available

#### 10.4 Conditions to avoid

No data available

#### 10.5 Incompatible materials

No data available

#### 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.

## 11. Toxicological information

#### 11.1 Information on toxicological effects

Oral:Not classified

Inhalation:Not determined

Skin :Not determined

## 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



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

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 e

12.6 Other adverse effects

No data available

Further information: no heavy metals and inorganic components

### 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

14.1 UN number

Not a dangerous good in sense of the transport regulation.

14.2 UN shipping name

Not a dangerous good in sense of the transport regulation.

14.3 Class of danger for transport

Not a dangerous good in sense of the transport regulation.

14.4 Packing group

Not a dangerous good in sense of the transport regulation.

14.5 Environmental hazards

Not a dangerous good in sense of the transport regulation.

14.6 Special precautions for users

Not a dangerous good in sense of the transport regulation.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not a dangerous good in sense of the transport regulation.

### 15. Regulatory information

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

Not applicable.

15.2 Chemical safety assessment.

No data available



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

**16. Additional information**

**16.1 Abbreviations:**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411 Toxic to aquatic life with long lasting effects.

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

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.

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)

<b>I.N.C.I.</b>	<b>C.A.S.</b>	<b>%</b>
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-



## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### CURCUMA PURE ESSENTIAL OIL

Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	1,0000
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	0,2000
Methyl heptine carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

#### 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.