

Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Cinamon Leaf Essential Oil

1. Identification of the substance/mixture and company

Trade name: Cinamon Leaf Pure Essential Oil
I.N.C.I. Cinnamomum Zeylanicum Leaf Oil
CAS No.: 8015-91-6 ; 84649-98-9
EC No.: 283-479-0
REACH pre-registration No.: 05-2118412681-49-0000
Utilization: Raw material for personal care, aromatherapy
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
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

The product is classified as dangerous pursuant to the provisions of Directive 67/548/EEC and 1999/45/EC and subsequent amendments and adjustments. It is also classified as dangerous pursuant to EC Reg. 1272/2008. The product therefore requires a safety data sheet compliant with the provisions of EC Regulation 1907/2006 and subsequent amendments.

The full text of the risk phrases and precautionary phrases cited below is reported in point 16 of this sheet.

Classification compliant with EC Reg. 1272/2008 (GHS-CLP Standard)

CAR1B – Carcinogenicity Cat. 1B

EDI2 – Serious eye damage/eye irritation Cat.2 EHC3 – Hazardous to the aquatic environment, long-term hazards Cat. 3

MUT2 – Germ cell mutagenicity Cat. 2

SS1A – Skin sensitizer Cat. 1A

Hazards: H317 – H319 – H341 – H350 – H412

Precautionary statements: P201 – P202 - P264 - P272 - P273 – P280 Special Provisions: None

2.2 Label elements

Symbols:



Hazard statements:

H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation.

H341 – Suspected of causing genetic defects. H350 – May cause cancer.

H412 – Harmful to aquatic organisms with long lasting effects

Precautionary advice:

P201 – Obtain specific instructions before use.

P202 – Do not handle until you have read and understood all warnings. P264 – Wash thoroughly after use.

P272 – Contaminated work clothing should not be taken out of the

2.3 – Other hazards

Contains Eugenol, Benzyl benzoate, Linalool, Cinnamaldehyde, Safrole, Isoeugenol.

3. Declaration of ingredients

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3.1. Substances

The product contains the following components to declare:

Substance	C.A.S.	EINECS	Risk Symbols	Percent %
Eugenol	97-53-0	202-589-1	H317, H319	>50%
2,6,6-trimethyl-bicyclo-2-heptene	80-56-8	201-291-9	H226, H304, H315, H317, H400, H410	[1 ; 5]
Benzyl benzoate	120-51-4	204-402-9	H302, H400, H411	[1 ; 5]
Cinnamaldehyde	104-55-2	203-213-9	H312, H315, H317, H319	[1 ; 5]
Eugenyl acetate	93-28-7	202-235-6	H302	[1 ; 5]
Linalool	78-70-6	201-134-4	H315, H317, H319	[1 ; 5]
Safrole	94-59-7	202-345-4	H302, H341, H350	[1 ; 5]
beta-Caryophyllene	87-44-5	201-746-1	H304, H317	[1 ; 5]
Beta-Pinene	127-91-3	204-872-5	H226, H304, H315, H317, H400, H410	[0 ; 1]
Camphene	79-92-5	201-234-8	H228, H319, H400, H410	[0 ; 1]
Eucalyptol	470-82-6	207-431-5	H226, H317	[0 ; 1]
Isoeugenol	97-54-1	202-590-7	H302+H312, H315, H317, H319	[0 ; 1]
Terpinolene	586-62-9	209-578-0	H226, H304, H317, H400, H410	[0 ; 1]
d-Limonene	5989-27-5	227-813-5	H226, H304, H315, H317,	[0 ; 1]

3.2. Mixtures

Not applicable

4. First aid measures

4.1 Description of first aid measures

If Inhaled:

If the person is unconscious, place in the fresh air. Consult a doctor

Contact with skin:

In case of contact with skin: wash the affected area immediately with plenty of soap and water, if irritation persists contact your doctor. Remove soiled clothing. Wash immediately and abundantly with water.

Contact with eyes:

Abundant rinsing with water then washing with an ocular lotion standard Dacryoserum. Consult an ophtalmologist.

If swallowed:

Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

4.2 Main symptoms and effects, both acute and delayed

In case of contact with skin it may cause irritation. May cause discomfort if inhaled

4.3 Indication to consult a physician immediately or any special treatments

If you feel unwell, contact a doctor immediately.

5. Fire fighting measures

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5.1 Means of extinction

Appropriate extinction method:

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO₂, powder ...)

Inappropriate extinction method:

In case of fire, never use direct water stream.

5.2 Special hazards arising from the substance or mixture

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO₂). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

5.3 Recommendations for fire-fighters

Always wear full fire protection equipment. (Protective helmet with visor, fireproof clothing, operating gloves, self-contained breathing apparatus).

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

In the event of a product leak or spill, remove any flames or other heat sources from the area where the leak occurred. If necessary use airway protection; protective clothing (e.g. safety glasses or masks) must be worn. Do not handle damaged containers or spilled product without first wearing appropriate protective equipment.

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

6.2 Environmental precautions

Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

6.3 Methods and materials for containment and remediation

Absorb the spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth). Collect most of the resulting material and place it in containers for disposal. Provide sufficient ventilation of the leak site.

6.4 Reference to other sections

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal

7. Handling and storage

7.1 Precautions for safe handling

Use in a well-ventilated place. Do not eat, drink or smoke while handling the product.

Wash hands after use.

Reproduce labeling if transfer to another container.

Ensure adequate ventilation.

Provide safety showers and eye washes.

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Fire prevention:

Prevent access by unauthorized persons.

Handle in well ventilated areas.

Equipment and procedures:

For personal protection, see Section 8.

Observe precautions stated on the label and regulations of labor protection.

Close the packaging after use.

Avoid inhalation of vapors and contact with skin or eyes.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed containers away from heat sources and protected from extreme temperatures.

Keep containers closed when not in use.

Always keep in appropriate packages (identical to the original material).

7.3 Specific end uses

No further information available

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment:

Hand protection: Protect your hands with category I work gloves (ref.

Directive 89/686/EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear work clothes with long sleeves and safety footwear for professional use in category I (ref.

Directive 89/686/EEC and standard EN 344). Wash with soap and water after removing protective clothing.

Respiratory protection: Use protective masks. The use of respiratory protection means is necessary in the absence of technical measures to limit worker exposure.

Eye protection: it is recommended to wear airtight protective glasses (ref. EN 166 standard).

Engineering measures:

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: liquid

Colour: yellow to yellow-brown

Smell: aromatic, spicy

Relative density (d₂₀/20): [1.037 ; 1.053].

Refractive index at 20°C: [1.527 ; 1.540].

Optical rotation (°): [-2.5 ; +2]

Flash point: 94°C

Odour threshold: ND

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pH: not relevant
Melting point/freezing point: ND
Initial boiling point and boiling range: ND
Flash point: ND
Evaporation rate: ND
Flammability (solids, gans): ND
Upper/lower flammability or explosive limits: ND
Vapour pressure: ND
Vapour density: ND
Solubility in water: ND
Partition coefficient: n-octanol/water ND
Auto-ignition temperature: ND
Decomposition temperature: ND
Viscosity: ND
Explosive properties: ND
Oxidising properties: ND

9.2 Other information

None

10. Stability and reactivity

10.1 Responsiveness

No dangerous reactions during storage and handling according to specifications.

10.2 Chemical stability

Stable product during storage and handling according to specifications.

10.3 Possibility of dangerous reactions

No dangerous reactions during storage and handling according to specifications.

10.4 Conditions to avoid

Avoid excessive heat (naked flames, sparks, ...).

10.5 Incompatible materials

Not concerned

10.6 Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun.

No decomposition if used according to specifications.

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects

Toxicological information : not applicable.

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Acute toxicity information :

- Oral (mg/kg) : 2 649.99
- Inhalation (mg/kg) : not determined
- Dermal (mg/kg) : 0.00

12. Ecological information

12.1 Toxicity

Do not allow the product, even if diluted or in small quantities, to penetrate the ground aquifers or drain pipes.

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

This product does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

No information available. Avoid release to the environment. Do not allow to enter into surface water or drains.

13. Disposal considerations

13.1 Waste treatment methods

Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local and national waste regulations.

14. Transport information

14.1 UN number

ADR: Not classified

IMDG: Not classified

IATA: Not classified

Customs Code: Not classified

14.2 UN shipping name

ADR: Not classified

IMDG: Not classified

IATA: Not classified

14.3 Class of danger for transport

ADR: Not classified

IMDG: Not classified

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IATA: Not classified

14.4 Packing group

ADR: Not classified

IMDG: Not classified

IATA: Not classified

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for users

Remarks: Not classified as dangerous in the meaning of transport regulations.

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

Not applicable

15. Regulatory information

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

Not specific information available.

15.2 - Chemical safety assessment

Components: Eugenol, Benzyl benzoate, Linalool, Cinnamaldehyde, Safrole, Isoeugenol. May cause allergic reaction.

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation

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(EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

Full H sentences text in section 3:

Full text of the H-phrases mentioned in section 3:

H226 - Flammable liquid and vapour.

H228 - Flammable solid.

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 allergic skin reaction.

H319 - Causes severe eye irritation.

H341 - Suspected of causing genetic defects.

H350 - May cause cancer.

H400 - Very toxic to aquatic organisms.

H410 - Very toxic to aquatic life with long-lasting effects.

H411 - Toxic to aquatic life with long-lasting effects.

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.

DECLARATION OF ALLERGENS

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

I.N.C.I.	C.A.S.	max %
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	4,0000
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	1,0000
Cinnamic aldehyde	104-55-2	2,0000
Citral	5392-40-5	-

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Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	0,4000
Eugenol	97-53-0	78,000
Farnesol	4602-84-0	0,5000
Geraniol	106-24-1	0,0500
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	0,2000
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	3,0000
Methyl heptine carbonate	111-12-6	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-
Evernia prunastri extract	90028-68-5	-
Evernia furfuracea extract	90028-67-4	-

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.