



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 05.06.2016

Version 1.0

CINNAMON LEAF ESSENTIAL OIL

1. Identification of the substance/preparation and the company

Trade name: Cinnamon leaf essential oil
 Product obtained by distillation of Cinnamomum zeylanicum Blume
 Utilisation: Aromatic raw material for perfume, aromatherapy, cosmetics
 Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
 identification: Tel/Fax: +40259-436.755, www.elemental.eu
 Emergency: RO: numar national pentru cazuri de urgenta: 021 3183606 Institutul de Sanatate Publica Bucuresti. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance

Classification according to Regulation (EC) No 1272/2008

Hazard statements: H302: Harmful if swallowed, H312: Harmful in contact with skin, 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 life with long lasting effects

Classification according to 67/548/EEC and 1999/45/EC



Xn: Harmful, Xi: Irritant, T: Toxic

Risk statements: R10: Flammable. R36/38: Irritating to eyes and skin. R45: May cause cancer. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: May cause lung damage if swallowed. R68: Possible risks of irreversible effects.

Safety statements: S16: Keep away from sources of ignition - No smoking. S24/25: Avoid contact with skin and eyes. S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

2.2 Label elements

Signal word: Danger

Labelling: GHS07: Acute toxicity, irritation, dermal sensitizer, narcotic effects. GHS08: Health hazards

Hazard statements: H302: Harmful if swallowed, H312: Harmful in contact with skin, 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 life with long lasting effects.

Precautionary statements: P273: Avoid release to the environment, P280: Wear protective gloves/protective clothing/eye protection/face protection, P302+352: IF ON SKIN: Wash with soap and water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P501: Dispose of contents/container to

2.3 Other hazards

CMR components: safrol ($\leq 1.5\%$). Allergens: see section 16

3. Composition / Information on ingredients

Hazardous components:

Constituent Name	Identification		Concentration %
	CAS #	EINECS #	
Benzyl benzoate	120-51-4	204-402-9	$\leq 7\%$
Beta-Caryophyllene	87-44-5	201-746-1	$\leq 4\%$
Cinnamic aldehyde	104-55-2	203-213-9	$\leq 3\%$
Eugenol	97-53-0	202-589-1	$\leq 85\%$
Eugenyl acetate	93-28-7	202-235-6	$\leq 8\%$

Classification:



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 05.06.2016

Version 1.0

CINNAMON LEAF ESSENTIAL OIL

Constituent name	Labelling	Hazard statements	Signal word	Risk statements
Benzyl benzoate	GHS07, GHS09	H302, H411	Warning	Xn, R22
Beta-Caryophyllene	GHS08	H304	Danger	Xn, R65
Cinnamic aldehyde	GHS07	H312, H315, H317, H319	Warning	Xn, R21/41, R43
Eugenol	GHS07	H317, H319	Warning	Xi, R36, R43
Eugenyl acetate	GHS07	H302	Warning	Xn, R22

4. First Aid

In the event of skin contact: Take off contaminated clothing. Wash immediately with soap and plenty of water. If irritation, get medical advice.

In the event of eye contact: Flush immediately with plenty of flowing water for at least 10 minutes, holding eyelids apart. Consult an ophthalmologist.

In the event of ingestion: I swallowed, rinse mouth with water. DO NOT induce vomiting. Get medical advice, showing label information.

In the event of excessive inhalation: Move the victim to fresh air. Get medical advise immediately.

5. Fire-fighting Measures

5.1 Extinguishing media

Recommended : foam, dry powder, carbon dioxide (CO₂). Inadvisable : avoid full water jet.

5.2 Special hazards

In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke, do not inhale fumes.

5.3 Particular protective measures

Particular protective measures when fire-fighting: The pressure in the closed containers may increase with high temperature. Cool the endangered drums by water spraying or by an appropriate produce if water is not authorized.

5.4 Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely. Use suitable breathing apparatus. Regard to self protection.

6. Accidental release measures:

6.1 Individual precautions

Remove all sources of ignition (Avoid all flammable sources. Do not smoke.) Provide adequate ventilation. Give a warning to people in the hazardous area. Wear personal protection equipment. Avoid contact with skin, eyes, and clothing.

6.2 Precautions for environmental conservation

Stop the substance to enter into drains and groundwater. Prevent spreading over a wide area.

6.3 Cleaning methods

Limit the dispersion of the product. Absorb the liquid with an inert absorbent, such as oil or sand. Wash with a grease extractor. Get rid of the duster and sponges used, according to local regulations.

7. Handling and Storage



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 05.06.2016

Version 1.0

CINNAMON LEAF ESSENTIAL OIL

7.1 Handling

Handle with care. Keep the product away from heat and light. Remove all sources of ignition. Do not eat, drink, or smoke when handling the product. Do not ingest the product. Wear personal protective clothing. Use only in well-ventilated areas.

7.2 Storage

Fit quantities according to container volume, avoid too important empty spaces. It is recommended to stock the product in its original packaging, tightly closed, sheltered from heat sources, air and light. Avoid important temperature variation. Keep in temperate and well-ventilated area. Do not re-use empty used containers. Respect the usual hygiene rules. Packaging materials to be avoid: iron containers

7.3 Specific end use(s)

No data available (confer to above recommendations)

8. Exposure Controls and Personal Protection

8.1 Control parameters

No data available.



8.2 Exposure controls

Use in well ventilated areas. Follow usual hygiene rules. Wash hands after handling the product. Keep away from food and beverages. Provide accessible fire-extinguisher.

Respiratory protection: Generally unnecessary in a well-ventillated area. If ventilation is insufficient, respiratory protection must be worn. For pulverulent products, the wearing of a mask is recommended.

Hand protection: The wearing of chemical solvent and acid resistant gloves is necessary. (according to EN374 regulation).

Eye protection: The wearing of adequate safety glasses is advised. Prescription glasses do not qualify as safety glasses. Contact lenses users should wear prescription and safety glasses while using the product.

Skin protection: Wear personal safety equipment. Handle the product with care, avoiding skin contact.

9. Physical and Chemical Properties

9.1 General information

Quality: Conventional essential oil, 100% pure and natural

Appearance: liquid

Colour: yellow to dark brown

Odour: characteristic, spicy

9.2 Health, security and environmental information

Flash point: +88°C

Specific gravity at 20°C: 1.030 to 1.055

Solubility in water: Insoluble

Solubility in ethanol: Soluble

9.3 Others

Refractive index at 20°C: 1.530 to 1.540

Optical rotation at 20°C: -3° to +3°

Conservation: Keep in tightly closed container in a cool and dry place, protected from light.

Stable at usual storage and use conditions.

Lifetime: When stored for more than 12 months, quality should be checked before use.

Main constituents: eugenol ($\leq 85\%$), eugenyl acetate ($\leq 8\%$), cinnamyl acetate ($\leq 8\%$), benzyl benzoate ($< 7\%$)

10. Stability and Reactivity



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 05.06.2016

Version 1.0

CINNAMON LEAF ESSENTIAL OIL

10.1 Condition to avoid

Excessive heat, open flames or other sources of ignition. This product is stable at room temperature. Temperatures above room temperature will allow the transfer from liquid to vapour phase and the formation of explosive atmosphere. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.

10.2 Material to avoid or incompatible

No data available.

10.3 Dangerous decomposition products

No dangerous decomposition product known, if used according to specifications.

11. Toxicological Information

For dermal and eye absorption: Causes severe eye irritation

For dermal and breathing sensitization: May cause a skin allergy

About mutagenicity: Identified as mutagen

About carcinogenicity: Identified as carcinogen

Toxic effects on the reproductive system: None

Inhalation hazards: Harmful if swallowed

Effect by absorption: LD oral 50 2650 mg/kg

Effect by dermal contact: LD dermal 50 > 5000 mg/kg

12. Ecological Information

Avoid any pollution of soil, ground and surface waters. Biodegradability not determined.

12.1 Toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Mobility: No data available.

12.3 Persistence et degradability: No data available.

12.4 Bio-accumulative potential: No data available.

12.5 PBT evaluation results: No data available.

12.6 Other adverse effects: No data available.

13. Disposal Considerations

Dispose of or recycle waste material in accordance with local and EC environmental regulations.

Air emission : avoid. Wastewater disposal : avoid. Release into natural environment: avoid

Waste destruction: Appropriate incineration station. Do not use the empty containers.

14. Transport Information

14.1. UN number

ADR : not regulated

IMDG: not regulated

IATA :not regulated

14.2. UN proper shipping name

ADR : not regulated

IMDG: not regulated

IATA :not regulated

14.3. Transport hazard class(es)

ADR : not regulated

IMDG: not regulated

IATA :not regulated



Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

Date 05.06.2016
Version 1.0

CINNAMON LEAF ESSENTIAL OIL

14.4. Packing group

ADR : not regulated

IMDG: not regulated

IATA :not regulated

14.5. Environmental hazards

IMDG : not regulated

14.6. Special precautions for user: not regulated

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not regulated

15. Additional Regulatory Information

Classification according to 67/548/EEC and 1999/45/EC

Xn: Harmful Xi: Irritant T: Toxic

Risk statements: R10: Flammable. R36/38: Irritating to eyes and skin. R45: May cause cancer. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: May cause lung damage if swallowed. R68: Possible risks of irreversible effects.

Safety statements: S16: Keep away from sources of ignition - No smoking. S24/25: Avoid contact with skin and eyes. S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. Other Information

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)

INCI Name	CAS No	Typical Contents in %
2-(TERT-BUTYL PROPIONALDE) (Lilial)	80-54-6	0
3-METHYL-4-(2,6,6 TRIMETHYL-2-CYCLOHEXINE-1-YL)-3-BUTEN-2-ONE	127-51-5	0
AMYL CINNAMAL	122-40-7	0
AMYL CINNAMYL ALCOHOL	101-85-9	0
ANISYL ALCOHOL (Anise alcohol)	105-13-5	0
BENZYL ALCOHOL	100-51-6	0



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 05.06.2016

Version 1.0

CINNAMON LEAF ESSENTIAL OIL

BENZYL BENZOATE	120-51-4	≤ 7.000
BENZYL CINNAMATE	103-41-3	0
BENZYL SALICYLATE	118-58-1	0
CINNAMAL (Cinnamic Aldehyde)	104-55-2	≤ 3.000
CINNAMYL ALCOHOL	104-51-6	0
CITRAL	5392-40-5	0
CITRONELLOL	106-22-9	0
COUMARIN	91-64-5	0
LIMONENE	5989-27-5	≤ 1.000
EUGENOL	97-53-0	≤ 85.000
FARNESOL	4602-84-0	0
GERANIOL	106-24-1	≤ 0.5000
HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)	101-86-0	0
HYDROXYCITRONELLAL	107-75-5	0
HYDROXYMETHYL PENTYL CYCLOHEXENE CARBOXALDEHYDE (Lyral)	31906-04-4	0
ISO EUGENOL	97-54-1	≤ 0.5000
LINALOOL	78-70-6	≤ 4.000
METHYL HEPTINE CARBONATE	111-12-6	0
OAK MOSS EXTRACT (Evernia Prunastri)	90028-68-5	0
TREE MOSS EXTRACT (Evernia Furfuracea)	90028-67-4	0

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.