



Material Safety Data Sheet

According to EU Regulation 2001/58/CEE in the current version

Version 08.01.2018

LINDEN - NATURAL FRAGRANCE OIL

1. Identification of the substance/preparation and the company

Trade name: Natural cosmetic fragrance oil "Linden"
 Nature: mixture of aromatic products, natural origin
 Utilisation: Fragrance concentrate for cosmetic formulations
 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 or mixture

GHS Classification (RegulationCLP):

Skin Irrit. 2 Skin corrosion / irritation 2

Skin Sens. 1 Sensitisation skin 1

H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

NATURE : Mixture of aromatic products, natural origin

2.2. Label elements

GHS Classification (RegulationCLP):



Warning mention : Warning

Eye Irrit. 2 Serious eye damage / eye irritation 2

Skin Irrit. 2 Skin corrosion / irritation 2

Skin Sens. 1 Sensitisation skin 1

H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash ... thoroughly after handling. P272 -

Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. 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.

2.3. Other hazards: Contains Linalool, Linalyl acetate, Terpineol, Benzyl Salicylate, Citronellol

3. Composition / Information on ingredients

3.1. Substances NO CONCERNED

3.2. Mixtures

Material	C.A.S	EINECS	Risk Symbol	%
Linalool	78-70-6.	201-134-4	Eye Irrit. 2, Skin Irrit. 2 - H315, H319	[5-10]
Benzyl Salicylate	118-58-1.	204-262-9	Eye Irrit. 2, Aquatic Chronic 3, Skin Sens. 1B - H317, H319, H412	[1-5]
LINALYLE ACETATE	115-95-7.	204-116-4.	Eye Irrit. 2, Skin Irrit. 2 - H315, H319	[1-5]
terpineol	98-55-5.	202-680-6	Eye Irrit. 2, Skin Irrit. 2 - H315, H319	[1-5]
Citronellol	106-22-9	203-375-0	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1B - H315, H317, H319	[0-1]
Eugenol	97-53-0	202-589-1	Eye Irrit. 2, Skin Sens. 1B - H317, H319	[0-1]

4. First Aid

4.1. Description of first aid measures: NO CONCERNED

4.2. Most important symptoms and effects, both acute and delayed: NO CONCERNED



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4.3. Indication of any immediate medical attention and special treatment needed

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 ophtalmologist.

In the event of swallowed : Not induce vomit, maintain the patient at rest. Resort to the medical care.

Soiled clothing : withdraw soiled clothing and re-use them only after decontamination.

5. Fire-fighting Measures

5.1. Extinguishing media

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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. Advice for firefighters

Never use a direct stream of water.

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

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 use(s)

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

8. Exposure Controls and Personal Protection

8.1. Control parameters: NO 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 : Protection not required if a good ventilation is maintained.

- 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

Appearance : Liquid

Odor : flowery

Color : colorless to pale yellow

Relative density (d20/20) : [1.0600 - 1.1000]

Refractive index at 20°C : [1.4300 - 1.47000]

Flash point (°C) : +103.7

9.2. Other information

Ethanol solubility: Yes Water solubility: No

10. Stability and Reactivity

10.1. Reactivity Dangerous reactions : No dangerous reactions known.

10.2. Chemical stability NO CONCERNED

10.3. Possibility of hazardous reactions NO CONCERNED

10.4. Conditions to avoid NO CONCERNED

10.5. Incompatible materials NO 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.

11. Toxicological Information

11.1. Information on toxicological

Toxicological Information : No data available.

Toxicological Informations Acute :

· Orale: Not determined · 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 NO CONCERNED

12.3. Bioaccumulative potential NO CONCERNED

12.4. Mobility in soil NO CONCERNED

12.5. Results of PBT and vPvB assessment NO CONCERNED

12.6. Other adverse effects NO 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

14.1. UN number

ADR : NOT REGULATED IMDG:NOT REGULATED IATA :3334 Custom code : 3302909000



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14.2. UN proper shipping name

ADR : NOT REGULATED IMDG:NOT REGULATED IATA :AVIATION REGULATED LIQUID, N.O.S.(Linalol [A]\)

14.3. Transport hazard class(es)

ADR : NOT REGULATED IMDG:NOT REGULATED IATA :9



14.4. Packing group

ADR : NOT REGULATED IMDG:NOT REGULATED IATA :III

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

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

Class of water contamination (Germany) : WGK

15.2. Chemical safety assessment: NO CONCERNED

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.

Full H sentences text in section 3 :

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.



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DECLARATION OF ALLERGENS

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

INCI Name	CAS No	Typical Contents in %
Alpha-Isomethyl Ionone	127-51-5	0
AMYL CINNAMAL	122-40-7	0
AMYL CINNAMYL ALCOHOL	101-85-9	0
ANISE ALCOHOL	105-13-5	0
BENZYL ALCOHOL	100-51-6	<= 0,0203
BENZYL BENZOATE	120-51-4	<= 0,0309
BENZYL CINNAMATE	103-41-3	0
BENZYL SALICYLATE	118-58-1	<= 1,0200
Butylphenyl Methylpropional (Lilial)	80-54-6	0
CINNAMAL	104-55-2	<= 0,0001
CINNAMYL ALCOHOL	104-51-6	<= 0,0003
CITRAL	5392-40-5	<= 0,0003
CITRONELLOL	106-22-9	10,000
COUMARIN	91-64-5	0
EUGENOL	97-53-0	<= 0,2303
OAK MOSS EXTRACT (Evernia Prunastri)	90028-68-5	0
TREE MOSS EXTRACT (Evernia Furfuracea)	90028-67-4	0
FARNESOL	4602-84-0	<= 0,0100
GERANIOL	106-24-1	<= 0,0383
HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)	101-86-0	0
HYDROXYCITRONELLAL	107-75-5	0
Hydroxyisohexyl 3-Cyclohexene-Carboxaldehyde (Lyral)	31906-04-4	0
ISOEUGENOL	97-54-1	<= 0,0051
LIMONENE	5989-27-5	<= 0,0195
LINALOOL	78-70-6	<= 7,0995
METHYL HEPTINE CARBONATE	111-12-6	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.