



Material safety data sheet

According to EU Regulation 1907/2006 in the current version

LABDANUM ABSOLUTE

1. Identification of the substance/mixture and company

| | |
|----------------------------------|--|
| Trade name: | Labdanum absolute Absolute obtained by extraction with volatile solvents of the labdanum concrete. |
| I.N.C.I. | Cistus ladaniferus leaf/stem extract |
| CAS No. : | 84775-64-6 |
| EINESCS No. : | 283-893-1 |
| 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 EC Reg. 1272/2008 (Norm. GHS-CLP)
Skin sensitization, Category 1
Hazardous to the aquatic environment — Chronic Hazard, Category 3

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

Hazards: H317 – H412
Precautions: P261 – P280 – P333+P313 – P362+P364
Special instructions: none

Adverse physicochemical, human health and environmental effects
- May cause an allergic skin reaction.
- Harmful to aquatic life with long lasting effects.

2.2 Label elements

Hazard pictograms:



Hazard statement:

H317 – May cause an allergic skin reaction
H411 – Harmful to aquatic life with long lasting effects.

Precautionary statement:

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash it before reuse.



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Special instructions: none

2.3 Other hazards

No additional information available.

3. Declaration of ingredients

The product contains the following ingredients:

| Substance | C.A.S. | EINECS | Hazard symbols | Percent % |
|---------------------|----------|-----------|--|-----------|
| dipentene, limonene | 138-86-3 | 205-341-0 | H226, H315, H317, H304, H400, H410 | ≤ 1 % |
| alpha-Pinene | 80-56-8 | 201-291-9 | H226, H302, H315, H317, H304, H400, H410 | ≤ 0.5 % |

4. First aid measures

4.1 Description of first aid measures

In case of contact with skin: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

In case of contact with eyes: Rinse eyes with water as a precaution.

In case of inhalation: Remove person to fresh air and keep comfortable for breathing.

In case of ingestion: Call a poison center or a doctor if you feel unwell.

4.2 Main symptoms and effects, both acute and delayed

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

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

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



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6.1 Personal precautions, protective devices and emergency procedures

For non-emergency personnel

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

For emergency responders

- Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and materials for containment and remediation

Methods for cleaning up: Mechanically recover the product.

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

6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.

Hygiene measures: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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

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 additional information available.

8.2 Exposure controls



Hand protection: Wear protective gloves.



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Skin protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection: Wear safety glasses.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Physical state: solid

Appearance: pasty mass at room temperature

Color: brown, reddish

Odor: balsamic, woody, animal

Odor threshold: No data available

pH: No data available

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: Not applicable

Boiling point: No data available

Flash point: 100 °C

Auto-ignition temperature: Not applicable

Decomposition temperature: No data available

Flammability (solid, gas): Non flammable

Vapor pressure: No data available

Relative vapor density at 20 °C: No data available

Relative density: Not applicable

Solubility: No data available

Log Pow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Explosive limits: Not applicable

9.2 Other information

No additional information available.

10. Stability and reactivity

10.1 Responsiveness

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

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.



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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
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

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 additional information available.

12.3 Bioaccumulation potential

No additional information available.

12.4 Ground mobility

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

No additional information available.

13. Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. Transport information

14.1 UN number

ADR: Not regulated

IMDG: Not regulated



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IATA: Not regulated
Customs Code: 3301294100

14.2 UN shipping name
ADR: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.3 Class of danger for transport
ADR: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.4 Packing group
ADR: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.5 Environmental hazards
Not regulated

14.6 Special precautions for users
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

EU-Regulations

| The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006: | |
|--|-----------------------------------|
| Reference code | Applicable on |
| 3(a) | alpha-Pinene; dipentene, limonene |
| 3(b) | alpha-Pinene; dipentene, limonene |
| 3(c) | alpha-Pinene; dipentene, limonene |

Labdanum absolute is not on the REACH Candidate List.

Labdanum absolute is not on the REACH Annex XIV List.

Labdanum absolute is 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.

Labdanum absolute is 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 chemical safety assessment has been carried out.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.



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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.

16.2 Full text of the H phrases mentioned in point 3:

H226 - Flammable liquid and vapor.

H228 - Flammable solid.

H302 - Harmful if swallowed.

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.

H400 - Very toxic to aquatic life.

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

H412 - Harmful to aquatic life with long lasting effects.

DECLARATION OF ALLERGENS

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

| I.N.C.I. | C.A.S. | % |
|-------------------------------------|-----------|----------|
| 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 | ≤ 0.1000 |
| Cinnamic alcohol | 104-54-1 | - |
| Cinnamic aldehyde | 104-55-2 | - |
| Citral | 5392-40-5 | ≤ 0.1000 |
| Citronellol | 106-22-9 | ≤ 0.1000 |



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| Coumarin (2p-1-benzopyran-2-one) | 91-64-5 | - |
| d-Limonene | 5989-27-5 | ≤ 1.0000 |
| Eugenol | 97-53-0 | ≤ 0.2000 |
| Farnesol | 4602-84-0 | - |
| Geraniol | 106-24-1 | ≤ 0.1000 |
| Lyrar (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 | ≤ 0.1000 |
| 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.