



## Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 10.01.2017

Version 1.0

### LABDANUM ABSOLUTE

#### 1. Identification of the substance/preparation and the company

Trade name: Labdanum absolute, 100% pure and natural  
 Product obtained by extraction with ethanol of the labdanum concrete.  
 Cistus ladaniferus L. var. beta maculata Dun  
 Utilisation: Raw material for perfume, cosmetics  
 Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania  
 identification: Tel/Fax: +40259-436.755, [www.elemental.eu](http://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

EC Dir. : Not regulated. No particular danger if used according to recommendations written on section 7.

CLP/GHS : SCI 3, SS 1, EH A3, C3

SGH07, H316 (Causes mild skin irritation), H317 (May cause an allergic skin reaction), P262 (Do not get in eyes, on skin, or on clothing), P280 (Wear protective gloves/protective clothing/eye protection/face protection), P273 (Avoid release to the environment), H402 (Harmful to aquatic life), H412 (Harmful to aquatic life with long lasting effects)

Warning



#### 3. Composition / Information on ingredients

INCI NAME: Cistus ladaniferus leaf/stem extract

CAS TSCA: 8016-26-0, CAS EINECS: 84775-64-6, FEMA: 2608, EINECS: 283-893-1

<b>Limonene</b>	<b>N°CAS : 138-86-3</b>	<b>N°CE : 205-341-0</b>	<b>&lt;1.0%</b>
<b>Xi,N</b> SGH07, SGH08, SGH09, SGH02	<b>R10-38-43-50/53</b> H304, 315, 317, 410, 226	<b>AH 1, SCI 2, SS 1B, EH A1,C1, FL 3</b>	
<b>alpha-Pinene</b>	<b>N°CAS : 80-56-8</b>	<b>N°CE : 201-291-9</b>	<b>&lt;0.5%</b>
<b>Xn</b> SGH02, SGH07, SGH08	<b>R(10)-38-43-65</b> H226-303-304-315-317	<b>FL 3, ATO 5(3700), SCI 2, SS 1B, AH 1</b>	
<b>beta-Pinene</b>	<b>N°CAS : 127-91-3</b>	<b>N°CE : 204-872-5</b>	<b>&lt;0.5%</b>
<b>Xn</b> SGH02, SGH07, SGH08	<b>R(10)-38-43-65</b> H226-304-315-317	<b>FL 3, SCI 2, SS 1B, AH 1</b>	

#### 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 15 minutes, holding eyelids apart. Consult an ophtalmologist.

In the event of ingestion: If 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. In case of beathing difficulty, seek medical advice

#### 5. Fire-fighting Measures

##### 5.1 Extinguishing media

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Recommended : foam, dry powder, carbon dioxide (CO<sub>2</sub>). 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****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. Respect the usual hygiene rules.

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 safetv equipment. Handle the product with care, avoiding skin contact.



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**LABDANUM ABSOLUTE****9. Physical and Chemical Properties****9.1 General information**

Appearance: pasty mass

Colour: reddish brown translucent

Odour: balsamic, woody, animal, leathery

**9.2 Health, security and environmental information**

Flash point (closed cup): +100°C

Specific gravity at 20°C: not applicable

Solubility in water: Insoluble

Solubility in ethanol: Soluble

**9.3 Others**

Refractive index at 20°C: not applicable

Optical rotation at 20°C: not applicable

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

Stable at usual storage and use conditions.

Main constituents: Diterpenes labdane type, labdanolic acid and derived

**10. Stability and Reactivity****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.

**10.2 Material to avoid or incompatible: strong acids, alkali or oxidizing agents****10.3 Dangerous decomposition products**

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

**11. Toxicological Information**

Effect by ingestion: no data available

Effect by skin contact: no data available

Residual solvent(s) : Ethanol &lt; 1.5%, hexane &lt; 200 ppm

CMR naturally present: not detected

Cosmetics Allergens (1223/2009/EEC) : see section 16

IFRA restrictions : Not explicitly regulated by IFRA. It contains maximum 0.1% citral, 0.1% benzyl alcohol, 0.1% citronellol, 0.2% eugenol, 0.1% geraniol classified "R" and 1% limonene, 0.1% linalool classified "S"

**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**



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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  
Elimination in accordance with local environmental laws. Avoid disposing into drainage systems.

#### 14. Transport Information

Customs code : 33012941

Transport : not regulated

#### 15. Additional Regulatory Information

Regulations specific for the substance or mixture: not available data

Chemical safety assessment: not available data

#### 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	<= 0.1000
BENZYL BENZOATE	120-51-4	0
BENZYL CINNAMATE	103-41-3	0
BENZYL SALICYLATE	118-58-1	0



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CINNAMAL (Cinnamic Aldehyde)	104-55-2	0
CINNAMYL ALCOHOL	104-51-6	0
CITRAL	5392-40-5	<= 0.1000
CITRONELLOL	106-22-9	<= 0.1000
COUMARIN	91-64-5	0
LIMONENE	5989-27-5	<= 1.0000
EUGENOL	97-53-0	<= 0.2000
FARNESOL	4602-84-0	0
GERANIOL	106-24-1	<= 0.1000
HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)	101-86-0	0
HYDROXYCITRONELLAL	107-75-5	0
HYDROXYMETHYL PENTYL CYCLOHEXENE CARBOXALDEHYDE (Lyrall)	31906-04-4	0
ISO EUGENOL	97-54-1	0
LINALOOL	78-70-6	<= 0.1000
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.