



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 10/10/2015
Version 2.0

CISTUS ESSENTIAL OIL, ORGANIC

1. Identification of the substance/preparation and trade name

Trade name: Cistus essential oil, organic
Essential oil obtained by steam distillation under pressure of leaves and branches of Cistus (Cistaceae) - Cistus ladaniferus
Product resulting from biological agriculture certified by Ecocert Greenlife F32600

Utilization: aromatic raw material for cosmetic and professional use

Company identification: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, Bihor-Romania,
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: H226: Flammable liquid and vapour H304: May be fatal if swallowed and enters airways H317: May cause an allergic skin reaction H319: Causes serious eye irritation H410: Very toxic to aquatic life with long lasting effects.

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

N: Dangerous for the environment. Xn: Harmful

Risk statements: R10: Flammable. R43: May cause sensitization by skin contact. 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.

Safety statements: S24: Avoid contact with skin. S37: Wear suitable gloves. S61: Avoid release to the environment. Refer to special instructions / Safety Data Sheets. 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:



GHS02: Flammable. GHS07: Acute toxicity, irritation, dermal sensitizer, narcotic effects. GHS08: Health hazards. GHS09: Hazardous to aquatic environment.

Hazard statements: H226: Flammable liquid and vapour H304: May be fatal if swallowed and enters airways H317: May cause an allergic skin reaction H319: Causes serious eye irritation H410: Very toxic to aquatic life with long lasting effects

Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+310: IF

SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+352: IF ON SKIN: Wash with soap and water P501: Dispose of contents/container to ...P305+351+338: 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

CMR components: None

Allergens: d-limonene ($\leq 3\%$), linalool ($\leq 2\%$), eugenol ($\leq 1\%$), geraniol ($\leq 0.50\%$), benzyl benzoate ($\leq 0.50\%$)

3. Composition / Information on ingredients

INCI-name: Cistus ladaniferus oil
CAS-number: 8016-26-0 EINECS-number: 289-711-7



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Main constituents: camphene, α -pinene, bornyle acetate

Hazardous components naturally present:

Constituent name	Identification		Concentration %
	N° CAS	N°EINECS	
Alpha-Pinene	80-56-8	201-291-9	≤ 50%
Beta-Pinene	127-91-3	204-872-5	≤ 1 %
Borneol	507-70-0	208-080-0	≤ 7 %
Camphene	79-92-5	201-234-8	≤ 8 %
Cineol 1.8	470-82-6	207-431-5	≤ 4 %
D-Limonene	5989-27-5	227-813-5	≤ 3 %
Gamma-Terpinene	99-85-4	202-794-6	≤ 3 %
Para-Cymene	99-87-6	202-796-7	≤ 4 %
Terpinen-4-ol	562-74-3	209-235-5	≤ 4 %

Classification:

Constituent name	Labelling	Hazard statements	Signal word	Risk statements
Alpha-Pinene	GHS02, GHS07, GHS08, GHS09	H226, H304, H317, H410	Danger	Xn, N, R10, R43, R50/53, R65
Beta-Pinene	GHS02, GHS07, GHS08, GHS09	H226, H304, H317, H410	Danger	Xn, N, R10, R43, R50/53, R65
Borneol	GHS02	H228	Danger / Warning	F, R11
Camphene	GHS02, GHS07, GHS09	H228, H319, H410	Warning	N, Xi, R10, R36, R50/53
Cineol 1.8	GHS02	H226	Danger	R10
D-Limonene	GHS02, GHS08, GHS09	H226, H304, H315, H317, H410	Danger / Warning	Xi, N, R10, R38, R43, R50/53
Gamma-Terpinene	GHS02, GHS08	H226, H304	Danger	Xn, R65
Para-Cymene	GHS02, GHS08, GHS09	H226, H304, H411	Danger	N, Xn, R10, R51/53, R65
Terpinen-4-ol	GHS07	H302, H315, H319	Warning	Xn, R22, R38

4. First Aid

After excessive inhalation:	Move exposed person to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.
First aid after Skin contact:	Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.
First aid after Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation occurs.
First aid after Ingestion:	Rinse mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

5. Fire-fighting Measures

Suitable extinguishing media:	Foam, dry chemical powder, carbon dioxide, sand or earth
Unsuitable extinguishing	Direct waterjet



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Special protective equipment	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Fire and explosion protection	Avoid open flames. Toxic vapours must be avoid during fire. Respiratory protection should be released during fire.
Other information	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental release measures:

Personal precautions:	Provide adequate ventilation, avoid contact with skin and eye contact. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing). Don't smoke. Prevent any contact with hot surfaces (see rubric 8).
Environmental precautions	Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water.
Land spill:	Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.
Water spill:	Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.
Methods for cleaning up:	Contain spilled material, cover with an inert, non-combustible, inorganic, absorbent material and destroy according to the regulation in force.

7. Handling and Storage

Precautions for safe handling:	To avoid splashing into the eyes and mucous membranes and following the arrangement of the workplace and manipulations, wearing glasses and special clothing (gloves...) may be indicated. It is prohibit smoking in areas where they are handled. Do not heat with a naked flame or expose their vapors to a flame or other sources of ignition (eg electrical equipment). Do not abundantly breathe vapors. Large spillages should be contained with sand or inert powder.
Conditions for safe storage:	Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container

8. Exposure Controls and Personal Protection

Respiratory protection:	Avoid to breath directly on the product. Ensure a good ventilation of the workroom.
Hand protection:	The wearing of chemical solvent and acid resistant gloves is necessary.
Eye protection:	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes Before handling, wear safety goggles in accordance with standard EN166.
Physical protection:	Wear personal safety equipment.



9. Physical and Chemical Properties

Appearance:	liquid
Colour:	light orangey yellow to dark brown



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Odour: typical, powerfull
Flash point: +44°C
Specific gravity at 20°C: 0.890 to 0.935
Refractive index at 20°C: 1.470 to 1.495
Optical rotation at 20°C: -15° to +38°
Solubility(ies): insoluble in water; soluble in ethanol, miscible in vegetalbe oils


10. Stability and Reactivity

Stability: No significant modifications, respecting the storage conditions (see section 7).
Reactivity: 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.
Conditions to avoid: Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.
Substances to avoid: Avoid contacts with strong acids, alkali or oxidizing agents.

11. Toxicological Information

Effect by absorption: LD oral 50 9000 mg/kg
Effect by dermal contact: LD dermal 50 ≥ 5000 mg/kg
For dermal and eye absorption: Causes severe eye irritation
For dermal and breathing sensitization: May cause a skin allergy
About mutagenicity: Not identified as mutagen
About carcinogenicity: Not identified as carcinogen
Toxic effects on the reproductive system: None
Inhalation hazards: May be deadly in case of ingestion and penetration of respiratory tract.
CMR naturally present: no data available
IFRA restrictions: Cistus essential oil is not explicitly regulated by IFRA. Contains maximum 0.2% isophorone and 0.1% toluene classified "P", 1% eugenol, 0.5% geraniol, 0.1% octen-3-yl acetate, 0.01% carvone, 0.01% furfural classified "R" and 2% linalool, 3% limonene classified "S".
Residual solvents: not applicable

12. Ecological Information

Prevent contamination of soil, ground and surfacewater. Biodegradability not determined.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 
Mobility: No data available. Persistence et degradability: No data available. Bio-accumulative potential: No data available.
PBT evaluation results: No data available. 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. Get rid of the duster and sponges used by incineration.



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14. Transport Information

UN no: 1169
Road (ADR/RID): UN 1169 Extracts, aromatic, liquid, 3, III
Air (IATA/ICAO): UN 1169 Extracts, aromatic, liquid, 3, III
Sea (IMDG): UN 1169 Extracts, aromatic, liquid, 3, III Marine pollutant: yes

15. Additional Regulatory Information

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

N: Dangerous for the environment. Xn: Harmful

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Safety statements: S24: Avoid contact with skin. S37: Wear suitable gloves. S61: Avoid release to the environment. Refer to special instructions / Safety Data Sheets. S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. Other Information

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
BENZYL BENZOATE	120-51-4	<= 0,50
BENZYL CINNAMATE	103-41-3	0
BENZYL SALICYLATE	118-58-1	0
CINNAMAL (Cinnamic Aldehyde)	104-55-2	0
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	<= 3,0
EUGENOL	97-53-0	<= 1,0
FARNESOL	4602-84-0	0
GERANIOL	106-24-1	<= 0,50
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
LINALOOL	78-70-6	<= 2,0
METHYL HEPTINE CARBONATE	111-12-6	0
OAK MOSS EXTRACT (Evernia Prunastri)	90028-68-5	0



TREE MOSS EXTRACT (Evernia Furfuracea)

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90028-67-4

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Disclaimer

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