



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

Date 25.09.2015
Version 2.0

NIAOULI ESSENTIAL OIL, ORGANIC

1. Identification of the substance/preparation and trade name

Trade name: Niaouli essential oil, organic
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: Biroul pentru Regulamentul Sanitar Internațional și Informare Toxicologică - Telefon de urgență 021 318 3606

2. Hazards Identification

Classification according to Regulation (EC) No 1272/2008:

GHS08 health hazard. Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS09 environment. Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07 Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Xn; Harmful. Xi; Irritant. R- Phrases: R10 Flammable. R21 Harmful in contact with skin. R38 Irritating to skin. R43 May cause sensitization by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed.

S-Phrases: S24 Avoid contact with skin. S37 Wear suitable gloves. S61 Avoid release to the environment. Refer to special instructions/safety data sheet. S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible.

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



Signal word: Danger

Hazard-determining components of labelling:

Hazard statements

H226 Flammable liquid 3. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment. P264 Wash thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment: PBT: Not applicable. vPvB: Not applicable.

3. Composition / Information on ingredients



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INCI-name: Melaleuca quinquenervia oil (formerly melaleuca viridiflora)
CAS-number: 8014-68-4 / 132940-73-9 EINECS-no: 310-217-5
Substance: CNS, Complex natural substance (100% pure and natural), Essential Oil from organic agriculture
Main constituents: cineole 1.8, viridiflorol, pinenes, limonene.
Classification:
Essential oil of Niaouli 100% natural
Contains more than 50% of 1,8 cineole
Skin irrit. ; May cause sensitization by skin contact; Toxic for aquatic organisms
H226, H304, H315, H317, H411 ; Xn, N R10,R38, R43,R51/53, R65.
Component (s) contributing to the hazard:
1,8 cinéole : > 50% (CAS N° : 47082-6 ; EINECS : 207-431-5)
Limonène: > 5% < 10% (CAS n° 5989-27-5 ; EINECS N° : 227-813-5)

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
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).



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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:	Use protective gloves
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:	Use individual protective equipment



9. Physical and Chemical Properties

Appearance:	liquid at room temperature
Colour:	colorless to pale yellow
Odour:	typical
Flash point:	+50°C
Specific gravity at 20°C:	0.900 to 0.935
Refractive index at 20°C:	1.465 to 1.472
Optical rotation at 20°C:	-5° to +1°
Solubility(ies):	insoluble in water; liposoluble; soluble 1/1 vol ethanol 80%

10. Stability and Reactivity



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Stability: No significant modifications, respecting the storage conditions (see rubric 7).
Reactivity: This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, oxidation can occur.
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 org. 50: no information available
Effect by dermal contact: LD derm. 50: no information available
IFRA restrictions: Niaouli essential oil is not restricted specifically by IFRA.
Residual solvents: not applicable
Carcinogenicity: Per OSHA, IARC, NTP, ACGIH, OEHHA-Prop 65, and RTECS: No
Reproductive toxicity: Per OSHA, IARC, NTP, ACGIH, OEHHA-Prop 65, and RTECS: No
Specific target organ toxicity – single exposure: May cause respiratory irritation, if inhaled
Specific target organ toxicity – repeated exposure: No data available
Aspiration hazard: May cause respiratory irritation

12. Ecological Information

Toxicity: No data available
Persistence and degradability: No data available
Bio accumulative potential: No data available
Mobility in soil: No data available
Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.

13. Disposal Considerations

Recommendation: In accordance with local environmental laws. Avoid disposing into drainage systems and into the environment.

14. Transport Information

UN no: 1169
Road (ADR/RID): 1169 Extracts, Aromatic, Liquid, Environmentally hazardous, Class3, Packing group III
Air (IATA/ICAO): 1169 Extracts, Aromatic, Liquid, Class3, Packing group III
Sea (IMDG): 1169 Extracts, Aromatic, Liquid, Class3, Packing group III, Marine pollutant
Environmental hazards: Product contains environmentally hazardous substances: Niaouli ext.
Marine pollutant: Yes
Symbol (fish and tree) Special marking (ADR): Symbol (fish and tree) Special precautions for user Warning: Flammable liquids. Danger code (Kemler): 30 EMS Number: F-E, S-D
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
Transport/Additional information: ADR Tunnel restriction code D/E
UN "Model Regulation": UN1169, EXTRACTS, AROMATIC, LIQUID, special provision 640E, ENVIRONMENTALLY HAZARDOUS,
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15. Additional Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008: Hazard statements: Please refer section 2.
Chemical safety assessment: not available

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
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	<=0,1
CITRONELLOL	106-22-9	<=0,1
COUMARIN	91-64-5	0
EUGENOL	97-53-0	<=0,1
FARNESOL	4602-84-0	<=0,03
GERANIOL	106-24-1	<=0,1
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
LIMONENE	5989-27-5	<=13,0
LINALOOL	78-70-6	<=1,5
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



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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.