

Material safety data sheet

According to EU Regulation (EU) 2020/878 in the current version

Niaouli Organic Pure Essential Oil

1. Identification of the substance/mixture and company

Trade name: Niaouli Organic Pure Essential Oil
 I.N.C.I. Melaleuca Viridiflora Leaf Oil
 CAS No.: 8022-72-8 / 8014-68-4
 EC No.: 310-217-5
 REACH No.: Exempted because importation < 1t / year / legal entity
 Utilization: Raw material for cosmetic use, aromatic material
 Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
 Tel/Fax: +40259-436.755, www.ellemental.com
 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

AH1 Aspiration hazard 1
 ATO4 Acute toxicity oral 4
 EDI2 Serious eye damage / eye irritation 2
 EHA1 Hazardous to the aquatic environment, acute hazard 1
 EHC1 Hazardous to the aquatic environment, long-term hazard 1
 FL3 Flammable Liquids 3
 REP2 Reproductive toxicity 2
 SCI2 Skin corrosion / irritation 2
 SS1 Sensitisation skin 1
 H226 - Flammable liquid and vapour.
 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.
 H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
 H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects

2.2 Label elements

Warning mention :

AH1 Aspiration hazard 1
 ATO4 Acute toxicity oral 4
 EDI2 Serious eye damage / eye irritation 2
 EHA1 Hazardous to the aquatic environment, acute hazard 1
 EHC1 Hazardous to the aquatic environment, long-term hazard 1
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H361 - Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water/...
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container according to applicable legislations

2.3. Other hazards

Contains alpha-Pinene, d-Limonene, alpha-Terpineol, beta-Pinene, Terpinene-4-ol, p-Cymene, Citronellal, Myrcene

3. Declaration of ingredients

3.1. Substances

List of components that need to be reported:

Eucalyptol (Cinéole-1.8) 70.00%

FL3, SS1B / H226, H317

CAS# 470-82-6 / EINECS# 207-431-5

alpha-Pinene 20.00%

AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B / H304, H302, H400, H410, H226, H315, H317

ATE (Orale) : 500mg/kg

CAS# 80-56-8 / EINECS# 201-291-9

d-Limonene 15.00%

AH1, EHA1, EHC3, FL3, SCI2, SS1B / H304, H400, H412, H226, H315, H317

CAS# 5989-27-5 / EINECS# 227-813-5

alpha-Terpineol 10.00%

EDI2, SCI2 / H319, H315

CAS# 98-55-5 / EINECS# 202-680-6

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beta-Pinene 5.00%

AH1, EHA1, EHC1, FL3, SCI2, SS1B / H304, H400, H410, H226, H315, H317

CAS# 127-91-3 / EINECS# 204-872-5

Camphene 4.00%

EDI2, EHA1, EHC1, FL3 / H319, H400, H410, H226

CAS# 79-92-5 / EINECS# 201-234-8

Gamma-terpinene 4.00%

AH1, EHC2, FL3, REP2 / H304, H411, H226, H361

CAS# 99-85-4 / EINECS# 202-794-6

Nerolidol (isomer unspecified) 4.00%

EDI2, EHA1, EHC1, SS1B / H319, H400, H410, H317

CAS# 7212-44-4 / EINECS# 230-597-5

Terpinene-4-ol 4.00%

ATI3, ATO4, EDI2, SCI2, SS1, STO-SE3-NE / H331, H302, H319, H315, H317, H336

ATE (Orale) : 1300mg/kg

ATE (Inhalation) : 3mg/L

CAS# 562-74-3 / EINECS# 209-235-5

beta-Caryophyllene 4.00%

AH1, SS1B / H304, H317

CAS# 87-44-5 / EINECS# 201-746-1

p-Cymene 4.00%

AH1, ATI3, EHC2, FL3, REP2 / H304, H331, H411, H226, H361

ATE (Inhalation) : 9.7mg/L

CAS# 99-87-6 / EINECS# 202-796-7

Citronellal 3.00%

EDI2, SCI2, SS1B / H319, H315, H317

CAS# 106-23-0 / EINECS# 203-376-6

Myrcene 3.00%

AH1, EDI2, EHA1, EHC2, FL3, SCI2 / H304, H319, H400, H411, H226, H315

CAS# 123-35-3 / EINECS# 204-622-5

3.2. Mixtures

Not applicable

4. First aid measures

4.1. Description of first aid measures

First-aid measures general: Call a doctor immediately.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion: Do not induce vomiting. Call a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after ingestion: Risk of lung oedema.

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

Treat symptomatically. If you feel unwell, contact a doctor immediately.

5. Fire fighting measures

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5.1 Means of extinction

Appropriate extinction method:

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO₂, powder ...)

Inappropriate extinction method:

In case of fire, never use direct water stream.

5.2 Special hazards arising from the substance or mixture

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO₂). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

5.3 Recommendations for fire-fighters

Always wear full fire protection equipment. (Protective helmet with visor, fireproof clothing, operating gloves, self-contained breathing apparatus).

6. Accidental release measures

6.1 Personal precautions, protective devices and emergency procedures

In the event of a product leak or spill, remove any flames or other heat sources from the area where the leak occurred. If necessary use airway protection; protective clothing (e.g. safety glasses or masks) must be worn. Do not handle damaged containers or spilled product without first wearing appropriate protective equipment.

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

6.2 Environmental precautions

Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

6.3 Methods and materials for containment and remediation

Absorb the spilled product with inert absorbent material (sand, vermiculite, diatomaceous earth). Collect most of the resulting material and place it in containers for disposal. Provide sufficient ventilation of the leak site.

6.4 Reference to other sections

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal

7. Handling and storage

7.1 Precautions for safe handling

Use in a well-ventilated place. Do not eat, drink or smoke while handling the product.

Wash hands after use.

Reproduce labeling if transfer to another container.

Ensure adequate ventilation.

Provide safety showers and eye washes.

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Fire prevention:

Prevent access by unauthorized persons.

Handle in well ventilated areas.

Equipment and procedures:

For personal protection, see Section 8.

Observe precautions stated on the label and regulations of labor protection.

Close the packaging after use.

Avoid inhalation of vapors and contact with skin or eyes.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed containers away from heat sources and protected from extreme temperatures.

Keep containers closed when not in use.

Always keep in appropriate packages (identical to the original material).

7.3 Specific end uses

No further information available

8. Exposure controls / personal protection

8.1 Control parameters

There are no specific control parameters

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment:

Hand protection: Protect your hands with category I work gloves (ref.

Directive 89/686/EEC and standard EN 374) such as latex, PVC or equivalent.

Skin protection: Wear work clothes with long sleeves and safety footwear for professional use in category I (ref.

Directive 89/686/EEC and standard EN 344). Wash with soap and water after removing protective clothing.

Respiratory protection: Use protective masks. The use of respiratory protection means is necessary in the absence of technical measures to limit worker exposure.

Eye protection: it is recommended to wear airtight protective glasses (ref. EN 166 standard).

Engineering measures:

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

Symbol compulsory wearing of personal protective equipment (PPE)



9. Physical and chemical properties

9.1 Information on physical and chemical properties

Physical state	:	Liquid
Appearance	:	liquid at room temperture
Colour	:	Pale Yellow
Odour	:	Characteristic, slightly camphorated, aromatic
Odour threshold	:	No data available
pH	:	No data available

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Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	45 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Specific gravity (20/20°C)	:	0.900 – 0.940
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	< 20 mm ² /s
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2 Other information

Refractive index: 1.460 – 1.475

10. Stability and reactivity

10.1 Responsiveness

No dangerous reactions during storage and handling according to specifications.

10.2 Chemical stability

Stable product during storage and handling according to specifications.

10.3 Possibility of dangerous reactions

No dangerous reactions during storage and handling according to specifications.

10.4 Conditions to avoid

Avoid excessive heat (naked flames, sparks, ...).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Thermal decomposition / conditions to be avoided:

Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun.

No decomposition if used according to specifications.

Dangerous decomposition products:

No dangerous decomposition products known.

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11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : 1 302,73 (Determined)
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: May be fatal if swallowed and enters airways

12. Ecological information

12.1 Toxicity

Do not leave the product, even diluted in great quantity, penetrate the ground water, water or the drains.

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

Product residues are to be considered special hazardous waste. The hazardousness of waste containing part of this product must be assessed in accordance with current legislation.

Disposal must be entrusted to an authorised waste management company in accordance with national and, if applicable, local regulations.

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations.

14. Transport information

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14.1 - UN Number

ADR/ADN/RID : 1197 (Tunnel code(D/E))

IMDG:1197

IATA :1197

14.2. UN proper shipping name

ADR/ADN/RID : EXTRACTS, LIQUID

IMDG:EXTRACTS, LIQUID

IATA :EXTRACTS, LIQUID

14.3. Transport hazard class(es)

ADR/ADN/RID : 3

IMDG:3

IATA :3

14.4. Packing group

ADR/ADN/RID : III

IMDG:III

IATA :III

14.5. Environmental hazards

IMDG : Marine Pollutant

Marine pollutant(s) : Alpha-pinene

14.6. Special precautions for user

NO CONCERNED

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

Class of water contamination (Germany) : WGK (no information available)

15.2 - Chemical safety assessment

Not listed on the REACH Candidate List

Not listed on REACH Annex XIV (Authorisation List)

Not listed on the PIC list (Regulation EU 649/2012)

Not listed on the POP list (Regulation EU 2019/1021)

16. Additional information

16.1 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory

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of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

Full H sentences text in section 3:

H226 Flammable liquid and vapour.

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.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

DECLARATION OF ALLERGENS

Fragrance ingredients restricted as 26 potential allergens in previous ANNEX III of EUROPEAN COSMETIC REGULATION (EC) No 1223/2009 and its amendments and in Schedule 34 of the Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 Statutory Instrument

INGREDIENT NAME	C.A.S.	Maximum % in the substance determined by GCMS analysis
ALPHA-ISOMETHYL IONONE	127-51-5	-
AMYL CINNAMAL	122-40-7	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
ANISE ALCOHOL	105-13-5	-

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BENZYL ALCOHOL	100-51-6	-
BENZYL BENZOATE	120-51-4	-
BENZYL CINNAMATE	103-41-3	-
BENZYL SALICYLATE	118-58-1	-
BUTYLPHENYL METHYLPROPIONAL	80-54-6	-
CINNAMAL	104-55-2	-
CINNAMYL ALCOHOL	104-54-1	-
CITRAL	5392-40-5	-
CITRONELLOL	106-22-9	3,000
COUMARIN	91-64-5	-
EUGENOL	97-53-0	-
EVERNIA FURFURACEA (TREE MOSS) EXTRACT	90028-67-4	-
EVERNIA PRUNASTRI (OAK MOSS) EXTRACT	90028-68-5	-
FARNESOL	4602-84-0	-
GERANIOL	106-24-1	-
HEXYL CINNAMAL	101-86-0	-
HYDROXYCITRONELLAL	107-75-5	-
HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-
ISOEUGENOL	97-54-1	-
LIMONENE	5989-27-5	15,000
LINALOOL	78-70-6	-
METHYL 2-OCTYNOATE	111-12-6	-

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.