

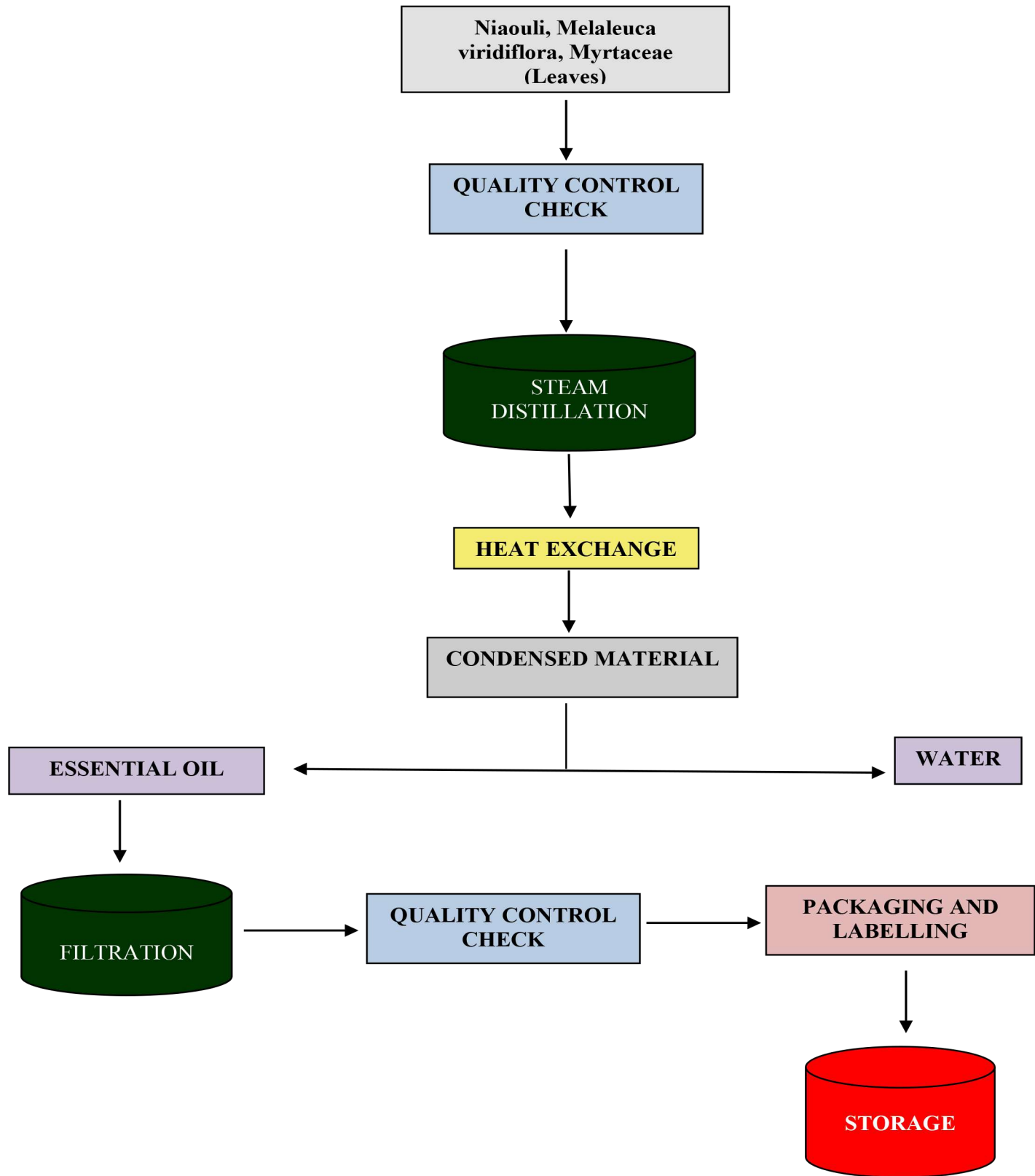


ALTEVITA
Life - Health - Beauty
Certificate of Analysis

PRODUCT DETAILS		
Product Name	NIAOULI OIL	
Product Code	OENIAO	
INCI Name	Melaleuca Viridiflora Leaf Oil	
Batch Number	4383312	
Best Before End	January 2023	
Manufacturing Process	Melaleuca Viridiflora Leaf Oil is the volatile oil obtained from the leaves of Melaleuca Viridiflora, Myrtaceae.	
Identification	CAS No: 132940-73-9	EINECS No: 310-217-5
	Alternative Cas:8014-68-8	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGES	RESULTS
Appearance	Liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Characteristic	Conforms
Relative Density @ 20°C	0.903 - 0.924	0.914
Refractive Index @ 20°C	1.465 - 1.472	1.467
Optical Rotation @ 20°C	-4.55 to +1.0	-1.8
Flash Point	53°C	Conforms
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. **It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.**

**PROCESSING – NIAOULI OIL
FLOW CHART**



SAFETY DATA SHEET NIAOULI OIL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	NIAOULI OIL
Product number	NIAOUI1000
Synonyms; trade names	Melaleuca Viridiflora Leaf Oil
CAS number	8014-68-4
Alternative Cas Number	132940-73-9
EC number	310-217-5

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Industrial, only for professional use
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1.3. Details of the supplier of the safety data sheet

Supplier	Madar Corporation 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

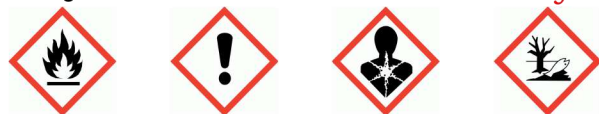
Classification

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 2 - H411
Human health	The liquid may be irritating to skin. Fatal if swallowed May cause skin sensitisation or allergic reactions in sensitive individuals.
Environmental	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Physicochemical	Flammable liquid

2.2. Label elements

EC number	310-217-5
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Pictogram



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
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.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
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.
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/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.
P321 Specific treatment (see medical advice on this label).
P331 Do NOT induce vomiting.
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.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

Contains

Alpha Pinene, (R)-p-mentha-1,8-diene

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

1,4-Cineole	<60%
CAS number: 470-67-7	EC number: 207-428-9
Classification Flam. Liq. 3 - H226	
p-menth-1-en-8-ol	<20%
CAS number: 98-55-5	EC number: 202-680-6
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
Alpha Pinene	<7%
CAS number: 80-56-8	EC number: 201-291-9
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304	
(R)-p-mentha-1,8-diene	<10%
CAS number: 5989-27-5	EC number: 227-813-5
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
p-Cymene	<2%
CAS number: 99-87-6	EC number: 202-796-7
Classification Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

Inhalation	May be fatal if swallowed and enters airways.
Skin contact	May cause an allergic skin reaction.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Dry chemicals. Foam.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing and gloves.
For emergency responders	Wear an appropriate NIOSH / MSHA approved respirator if mist or vapour is generated.

6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb with liquid binding material (e.g sand, diatomaceous earth, acid or universal binding agents). Collect in closed and suitable containers for disposal.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Provide adequate ventilation. Keep away from heat, sparks and open flame.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Alpha Pinene (CAS: 80-56-8)

DNEL	Workers - Inhalation; Long term systemic effects: 5.98 mg/m ³ General population - Oral; Long term systemic effects: 0.31 mg/kg General population - Inhalation; Long term systemic effects: 1.06 mg/m ³
PNEC	- STP; 3.26 mg/l - Soil; 0.539 mg/kg - Fresh water; 0.004 mg/l - Marine water; 0.0004 mg/l - Sediment (Freshwater); 1.033 mg/kg - Sediment (Marinewater); 0.103 mg/kg

(R)-p-mentha-1,8-diene (CAS: 5989-27-5)

DNEL	Workers - Inhalation; Long term systemic effects: 33.3 mg/m ³ General population - Oral; Long term systemic effects: 4.76 mg/kg
PNEC	- STP; 1.8 mg/l - Soil; 0.262 mg/kg - Fresh water; 0.0054 mg/l - Marine water; 0.00054 mg/l - Sediment (Freshwater); 1.32 mg/kg - Sediment (Marinewater); 0.13 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Provide eyewash station

Personal protection

General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Eye/face protection

Approved safety goggles.

Hand protection

Use protective gloves. Material of gloves: The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has to be checked prior to the application. Penetration time of glove material >480 minutes at layer thickness of 0.425mm (Sol-Vex (37-695) from Ansell). Use gloves according to EN374.

Other skin and body protection

Wear protective clothing.

Hygiene measures	Good personal hygiene procedures should be implemented.
Respiratory protection	Generally unnecessary in a well ventilated area.
Environmental exposure controls	If ventilation is insufficient, respiratory protection must be worn. Avoid discharging into drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Characteristic.
Relative density	0.903 - 0.924 @ 20°C
Solubility(ies)	Insoluble in water.
Optical rotation	-4.55 - +1.0 @ 20°C

9.2. Other information

Refractive index	1.465 - 1.472 @ 20°C
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The substance is stable under normal storage and handling conditions.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong reducing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon dioxide (CO ₂). Carbon monoxide (CO).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	May cause irreversible damage to the skin, namely inflammation of the skin or formation of erythema and eschar or oedema following exposure up to four hours. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
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Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.
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SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Recycling is preferred to disposal or burning. Disposal must be made according to official regulations. Must not be disposed together with household waste.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1169

UN No. (IMDG) 1169

UN No. (ICAO) 1169

UN No. (ADN) 1169

14.2. UN proper shipping name

Proper shipping name (ADR/RID) EXTRACTS, AROMATIC, LIQUID

Proper shipping name (IMDG) EXTRACTS, AROMATIC, LIQUID

Proper shipping name (ICAO) EXTRACTS, AROMATIC, LIQUID

Proper shipping name (ADN) EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	CHIP for everyone HSG228.

15.2. Chemical safety assessment

SECTION 16: Other information

Hazard statements in full	H226 Flammable liquid and vapour. 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. H411 Toxic to aquatic life with long lasting effects.
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Life - Health - Beauty

Product Specification

Issue No: 1

24/08/2016

PRODUCT DETAILS		
Product Name	NIAOULI OIL	
Product Code	OENIAO	
INCI Name	Melaleuca Viridiflora Leaf Oil	
Country or Origin	Madagascar	
Tariff Number	33012911	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Food Grade Status	To be confirmed.	
Kosher Certified	No	
Halal Certified	We hereby delcare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products, except sea food, dairy and poultry egg origin. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
Manufacturing Process	Melaleuca Viridiflora Leaf Oil is the volatile oil obtained from the leaves of Melaleuca Viridiflora, Myrtaceae.	
Identification	CAS No: 132940-73-9	EINECS No: 310-217-5
	Alternative Cas:8014-68-8	
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Colourless to pale yellow	
Odour	Characteristic	
Relative Density @ 20°C	0.903 - 0.924	
Refractive Index @ 20°C	1.465 - 1.472	
Optical Rotation @ 20°C	-4.55 to +1.0	
Flash Point	53°C	
Hydrocarbon content	15%	
FRAGRANCE ALLERGENS		
Citral (5392-40-5) <0.1%	Eugenol (97-53-0) <0.1%	Geraniol (106-24-1) <0.1%
Farnesol (4602-84-0) <0.1%	Linalool (78-70-6) <0.4%	Benzyl Benzoate (120-51-4) <0.1%
Citronellol (106-22-9) <0.1%	Limonene (5989-27-5) <10%	
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
Linalool (78-70-6) <0.4%	Limonene (5989-27-5) <10%	Citronellol (106-22-9) <0.1%
Eugenol (97-53-0) <0.1%	Citral (5392-40-5) <0.1%	Benzyl Benzoate (120-51-4) <0.1%
Farnesol (4602-84-0) <0.1%	Geraniol (106-24-1) <0.1%	Benzaldehyde (100-52-7) <0.3%
Carvone (99-49-0) <0.1%	Furfural (98-01-1) <0.1%	Methyl Eugenol from Naturals (93-15-2) <0.1%
Tras-2-Hexanal (6728-26-3) <0.1%		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Stability	When stored for more than 24 months, quality should be checked before use.	

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Vegan and Vegetarian Statement

IDENTIFICATION

Product:	Niaouli Oil
Cas No:	132940-73-9
EINECS No:	310-217-5

STATEMENT

We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.

It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.

This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.