

1658301

 Reviewed on: 25/10/17
 Printing date: 25/10/2017

SECTION 01: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- * Trade name:
NIAOULI MELALEUCA OIL
- * Article number:
A0920
- * CAS Number:
8014-68-4
- * EC Number:
310-217-5
- * No CAS EINECS:
132940-73-9

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

- * Application of the substance / the preparation
Only for industrial use
Perfume ingredient

1.3 Details of the supplier of the safety data sheet

- * Manufacturer/Supplier:
BIOLANDES TEL: +33(0)5.58.51.00.00
- * Route de Bélis email: fds@biolandes.com
- * 40420 LE SEN
- * FRANCE

1.4 Emergency telephone number:

FR-ORFILA (INRS):+33(0)1 45 42 59 59

SECTION 02: Hazards identification

2.1 Classification of the substance or mixture

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



GHS08

Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.



GHS07

- * Skin Irrit. 2 - H315 Causes skin irritation.
- * Eye Irrit. 2 - H319 Causes serious eye irritation.
- * Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

- * Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms



GHS08



GHS02



GHS07



GHS09

- Signal word

(continued on page 2)

CHEMICAL SAFETY DATA SHEET

according to 1907/2006/EC Article 31, as amended by N° 453/2010

1658301

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(continued of page 1)

- Danger
- Hazard statements
 - H304 May be fatal if swallowed and enters airways.
 - H226 Flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - * H317 May cause an allergic skin reaction.
 - * 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.
 - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 - P403+P235 Store in a well-ventilated place. Keep cool.
 - P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
 - PBT:
 - * Not applicable.
 - vPvB:
 - * Not applicable.

SECTION 03: Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description	%
* 8014-68-4	Melaleuca quinquenervia (Cav.) S.T. Blake (Syn.: Melaleuca viridiflora Solander ex Gaertner)	
	• Identification number(s)	
	• EC number:	
	310-217-5	
	• Dangerous components:	
* CAS Number		%
470-82-6	Eucalyptol EC number: 207-431-5 ⚠ Flam. Liq. 3 - H226; ⚠ Skin Sens.	> 50,00
* 98-55-5	1B - H317 p-menth-1-en-8-ol EC number: 202-680-6 ⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 -	10,01- 20,00
5989-27-5	H319 d-limonene ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; ⚠ Aquatic Chronic 2 -	5,01- 10,00
* 78-70-6	H411 pinenes EC number: 201-291-9 ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1 - H317	5,01- 10,00
99-87-6	p-cymene EC number: 202-796-7 ⚠ Asp. Tox. 1 - H304; ⚠ Flam. Liq. 3 - H226; ⚠ Aquatic Chronic 2 - H411	1,01- 5,00
* 78-70-6	Linalool EC number: 201-134-4	0,10-1,00

(continued on page 3)

1658301

 Reviewed on: 25/10/17
 Printing date: 25/10/2017

PRODUCT : NIAOULI MELALEUCA OIL

(continued of page 2)

- *  **Skin Irrit. 2 - H315, Eye Irrit. 2 -**
- * **H319, Skin Sens. 1B - H317**

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
 - * Seek immediate medical advice.
 - After inhalation:
 - Supply fresh air and to be sure call for a doctor.
 - After skin contact:
 - If skin irritation continues, consult a doctor.
 - Immediately wash with water and soap and rinse thoroughly.
 - After eye contact:
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
 - After swallowing:
 - Seek immediate medical advice.
 - Information for doctor:
- 4.2 Most important symptoms and effects, both acute and delayed
- * No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- * No further relevant information available.

SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
 - CO₂, sand, extinguishing powder. Do not use water.
 - Use fire extinguishing methods suitable to surrounding conditions.
 - For safety reasons unsuitable extinguishing agents:
 - Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- * No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:
 - Do not inhale explosion gases or combustion gases.
 - Additional information
 - Cool endangered receptacles with water spray.

SECTION 06: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- * Wear protective equipment. Keep unprotected persons away.
 - Keep away from ignition sources.
- 6.2 Environmental precautions:
- Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
- 6.3 Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13.
- 6.4 Reference to other sections
- * See Section 7 for information on safe handling.
 - * See Section 8 for information on personal protection equipment.
 - * See Section 13 for disposal information.

EU

(continued on page 4)

1658301

Reviewed on: 25/10/17
 Printing date: 25/10/2017

PRODUCT : NIAOULI MELALEUCA OIL

(continued of page 3)

SECTION 07: Handling and storage

- Handling:
 - 7.1 Precautions for safe handling
 - Store in cool, dry place in tightly closed receptacles.
 - Keep away from heat and direct sunlight.
 - Ensure good ventilation/exhaustion at the workplace.
 - * Handle with care. Avoid jolting, friction and impact.
 - Information about fire - and explosion protection:
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - 7.2 Conditions for safe storage, including any incompatibilities
 - Storage:
 - Requirements to be met by storerooms and receptacles:
 - Store in a cool location.
 - Prevent any seepage into the ground.
 - Further information about storage conditions:
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
 - Store receptacle in a well ventilated area.
 - 7.3 Specific end use(s)
 - * No further relevant information available.

SECTION 08: Exposure controls/personal protection

- 8.1 Control parameters
 - Ingredients with limit values that require monitoring at the workplace:
 - Not required.
 - CAS No.** **Designation of material** % **Type** **Value Unit**
 - Not required.
 - Additional information:
 - The lists valid during the making were used as basis.
- 8.2 Exposure controls
 - Personal protective equipment:
 - General protective and hygienic measures:
 - Keep away from foodstuffs, beverages and feed.
 - Avoid contact with the skin.
 - Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
 - Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - Material of gloves
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
 - Penetration time of glove material
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - Eye protection: Safety glasses

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

- * **Form:** fluid
- Colour:** colourless to yellow
- Odour:** aromatic
- Odour threshold:** Not determined.

Change in condition

(continued on page 5)

1658301

 Reviewed on: 25/10/17
 Printing date: 25/10/2017

PRODUCT : NIAOULI MELALEUCA OIL

(continued of page 4)

	Boiling point/Boiling range:	Not determined.
*	Flash point:	50 °C NFT 60-103 CC
	Flammability (solid, gaseous):	Not determined.
*	Self-igniting:	Not determined.
	Danger of explosion:	Not determined.
	Vapour pressure:	Not determined.
	Density:	Not determined.
*	Relative density :	0,9050 0,9200 (D20/20)
	Solubility in / Miscibility with water:	Not determined.
	Partition coefficient (n-octanol/water):	Not determined.
*	9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

 Thermal decomposition / conditions to be avoided:
 Not determined.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity:
- LD/LC50 values relevant for classification:

ISO LD/LC
98-55-5 p-menth-1-en-8-ol

Oral, LD50: 4300 mg/kg (rat)

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

Oral, LD50: 4400 mg/kg (rat)

78-70-6 Linalool

Oral, LD50: 2790 mg/kg (rat)

Dermal, LD50: 5610 mg/kg (Rabbit)

- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: No irritating effect.
- Sensitization: Sensitization possible through skin contact.
- Subacute to chronic toxicity: Not determined.

EU

(continued on page 6)

1658301

Reviewed on: 25/10/17
 Printing date: 25/10/2017

PRODUCT : NIAOULI MELALEUCA OIL

(continued on page 5)

SECTION 12: Ecological information

- 12.1 Toxicity
- * Aquatic toxicity:
 - * **5989-27-5 (R)-p-mentha-1,8-diene**
 LD50: 0,71 mg/l (fish) (OECD 203)
 - * **99-87-6 p-cymene**
 LD50: 1,63 mg/l (fish) (OECD 203)
 - * **78-70-6 Linalool**
 LD50: 27,8 mg/l (fish) ((OECD 203)
 ErC50(0-72h): 156,7 mg/l (algae)
 ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)
- 12.2 Persistence and degradability
 Not determined.
- * Behaviour in environmental systems:
 Not determined.
- 12.3 Bioaccumulative potential
- * No further relevant information available.
- 12.4 Mobility in soil
 No further relevant information available.
- * Ecotoxicological effects:
 Not determined.
 - * Additional ecological information:
 - * General notes:
 Do not allow product to reach ground water, water course or sewage system.
 Toxic for aquatic organisms
 The material is harmful to the environment.
- 12.5 Results of PBT and vPvB assessment
- * PBT:
 Not applicable.
 - * vPvB:
 Not applicable.
- 12.6 Other adverse effects
 No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- * Recommendation
 Must be specially treated adhering to official regulations.
 - * Uncleaned packaging:
 - * Recommendation:
 Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
- | | |
|-------------|--------|
| ADR | UN1993 |
| IMDG | UN1993 |
| IATA | UN1993 |
- 14.2 UN proper shipping name
- | | |
|-------------|---|
| ADR | 1993 FLAMMABLE LIQUID, N.O.S. (MELALEUCA VIRIDIFLORA EXTR.) |
| IMDG | FLAMMABLE LIQUID, N.O.S. (MELALEUCA VIRIDIFLORA EXTR.) |
| IATA | FLAMMABLE LIQUID, N.O.S. (MELALEUCA VIRIDIFLORA EXTR.) |
- 14.3 Transport hazard class(es)
- | | |
|--------------|---------------------------|
| ADR | |
| Class | 3 (F1) Flammable liquids. |

(continued on page 7)

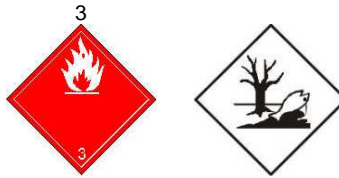
CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N° 453/2010

1658301

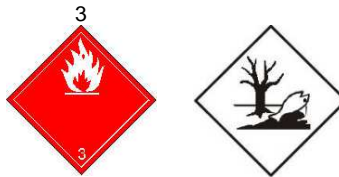
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PRODUCT : NIAOULI MELALEUCA OIL

(continued of page 6)

Label

IMDG
Class

3 Flammable liquids.

Label

IATA
Class

3 Flammable liquids.

Label


14.4 Packing group

ADR

III

IMDG

III

IATA

III

* 14.5 Environmental hazards:

 * **Marine pollutant:** Yes

14.6 Special precautions for user

Warning: Flammable liquids.

Danger code (Kemler): 30

EMS Number: F-E,S-E

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

Not applicable.

• Transport/Additional information:

Not applicable.

Excepted quantities (EQ): E1

Limited quantities (LQ) 5L

Transport category 3

Tunnel restriction code D/E

IMDG
Limited quantities (LQ) 5L

Excepted quantities (EQ) E1

• UN "Model Regulation":

 UN 1993 FLAMMABLE LIQUID, N.O.S. (MELALEUCA VIRIDIFLORA EXTR.), 3,
 III, ENVIRONMENTALLY HAZARDOUS

EU

(continued on page 8)

1658301

 Reviewed on: 25/10/17
 Printing date: 25/10/2017

PRODUCT : NIAOULI MELALEUCA OIL
(continued of page 7)

* **SECTION 15: Regulatory information**

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

- REGULATION (EC) No 1907/2006 ANNEX XVII

* Conditions of restriction: 3, 40

* Conditions of restriction: \$

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

* • Relevant phrases

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.

* • Training hints

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

* • Abbreviations and acronyms:

IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organisation
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

* • Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

- * Data compared to the previous version altered.