

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Niaouli Oil				
Biological Definition	The volatile oil obtained from the leaves of Melaleuca viridiflora, Myrtaceae				
INCI Name	Melaleuca Viridiflora Leaf Oil				
Synonyms Trade Names	-				
CAS Number	8014-68-8 132940-73-9	EC Number	310-217-5	EINECS No.	310-217-5

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

No additional data available.

1.3 Details of the supplier of the safety data sheet

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The Full Text for all Hazard Statements are Displayed in Section 16.

Classification (EC 1272 / 2008)

Flammable liquid, Category 3 (Flam. Liq. 3, H226). Skin irritation, Category 2 (Skin Irrit. 2, H315). Skin sensitisation, Category 1 (Skin Sens. 1, H317). Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

GHS08

GHS09

GHS07

GHS02

None



Signal Word

Danger

Contains

1,8-cinole, Alpha-Terpineol, Pinenes, (R)-P-Mentha-1,8-Diene, p-Cymene,

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.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Supplementary Precautionary Statements

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician.

P302 IF ON SKIN:

P352 Wash with plenty of soap and water.

P331 Do NOT induce vomiting.

P332 If skin irritation occurs:

P313 Get medical advice/attention.

2.3 Other Hazards

PBT or PvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in accordance with
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Adverse physio-chemical properties	No additional data available.
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Adverse effects on human health	No additional data available.
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03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

50 - 60 % 1,8-Cineole

CAS No: 470-82-6 EC No: 207-431-5

Classification (EC 1272/2008): Skin Irrit. 3 (316) (EFFA), Acute Tox. 5 (H503)(EFFA), Flam. Liq. 3 - H226 (EFFA)

10 - 20 % Alpha-Terpineol

CAS No: 98-55-5 EC No: 202-680-6

Classification (EC 1272/2008): Aquatic Acute 2 - H401, Eye Irrit. 1 - H319, Skin Irrit 2 - HH315, Acute Tox. 5 - H303, Flam. Liq. 4 - H227

0 - 7 % Alpha-Pinene

CAS No: 80-56-8 EC No: 201-291-9

Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226

0 - 6 % Hydrocarbons

CAS No: Not Defined EC No: Not Defined

Classification (EC 1272/2008): Acute Tox. 4 - H302 + H312

0 - 2 % p-Cymene

CAS No: 99-87-6 EC No: 202-796-7

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2 - H411, Skin Irrit 3 - H316

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.
41 Ingestion:	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.
41 Eye:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
41 Skin:	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8. For non first aid worker Avoid any contact with the skin and eyes. For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with

6.3 Methods and material for containment and cleaning up

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6.4 Reference to other sections

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07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Remove contaminated clothing and protective equipment before entering eating areas. Fire prevention : Handle in well-ventilated areas. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Never inhale this substance. Prevent the accumulation of electrostatic charges with connections to earth. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel. Recommended equipment and procedures : For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Prohibited equipment and procedures : No smoking, eating or drinking in areas where the substance is used. Never open the packages under pressure.

7.2 Conditions for safe storage, including and incompatibilities

Storage Keep the container tightly closed in a dry, well-ventilated place. Keep away from food and drink, including those for animals. Keep away from all sources of ignition - do not smoke. Keep well away from all sources of ignition, heat and direct sunlight. Avoid accumulation of electrostatic charges. Packaging Always keep in packaging made of an identical material to the original.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No additional data available.

8.2 Exposure controls

Protective Equipment

Gloves

Overalls

None

None

None



Process Conditions:

Provide eyewash station.

Engineering Measures:

Provide adequate ventilation.

Respiratory Equipment:

For high concentrations use respiratory equipment.

Hand Protection:

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties :- Impervious gloves in accordance with standard EN374

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.

Other Protection:

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area.

Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Personal Protection:	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing :In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Environmental Exposure Controls:	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid.
Colour:	Colourless to pale yellow.
Flash Point:	23°C ≤ PE ≤ 55°C
Odour:	Characteristic.
Relative Density:	0.903 - 0.924 @ 20°C
Refractive:	1.465 – 1.472 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	No additional data available.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical Stability

This substance is stable under the recommended handling and storage conditions in section 7.

10.3 Possible hazardous reactions

No additional data available.

10.4 Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces)

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

The thermal decomposition may release/form :- carbon monoxide (CO)- carbon dioxide (CO₂)

11. TOXOLOGICAL INFORMATION

11.1 Information on toxological effects

Acute Toxicity:	May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. May cause an allergic reaction by skin contact. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
Respiratory or skin sensitisation:	No additional data available.
Skin corrosion/irritation:	No additional data available.
Serious Eye damage/irritation:	No additional data available.
Germ Cell Mutagenicity:	No additional data available.
Carcinogenicity:	No additional data available.
Reproductive toxicity:	No additional data available.
STOT Single exposure:	No additional data available.
STOT Repeated exposure:	No additional data available.
Photo-toxicity:	May be fatal if swallowed and enters airways. Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.
Aspiration hazard:	No additional data available.
Other Information:	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

12.2 Persistence Degradability

Degradability : No data available.

12.3 Bioaccumulation Potential

Bioaccumulative potential : No data available on bioaccumulation.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways. Waste :Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water,air, soil, plants or animals.Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.Do not contaminate the ground or water with waste, do not dispose of waste into the environment.Soiled packaging :Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

Road:	1169
Sea:	1169
Air:	1169

14.2 UN Prpoer shipping name

UN1169=EXTRACT

14.3 Transport hazard class(es)

ADR/RID/ADN Class 3 ADR/RID/ADN Class Class 3 IMDG Class 3ICAO Class/Division 3 Transport Labels

Cl. 3_140_s UN1169=EXTRACT UN1169=EXTRACT



14.4 Packing group

ADR/RID/ADN Packing group III IMDG Packing group IIIICAO Packing group III

14.5 Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant

Umwelt_140 UN1169=EXTRACT UN1169=EXTRACT



14.6 Special precautions for users

EMS F-E,S-DEmergency Action Code F1Hazard No. (ADR) 90 Environmentally hazardous substance Tunnel Restriction Code (D/E)

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

No additional data available

15. REGLATORY INFORMATION

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

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard or precaution	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.
Other Information:::	None
Revision Date:	4/1/2022
Reason:	New SDS
Revision Number:	2

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