





## MATERIAL SAFETY DATA SHEET

### 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

<b>1.1 Product Identifier</b>				
Product Name		Niaouli Essential Oil		
Biological Definition		The volatile oil obtained from the leaves of Melaleuca viridiflora, Myrtaceae		
INCI Name		Melaleuca Viridiflora Leaf Oil		
Synonyms & Trade Names		-		
CAS-No	8014-68-8 /132940-73-9	EC No. 285-397-0	EINECS No.	-
<b>1.2 Relative identified uses of the substance or mixture and uses advised against</b>				
No further information available.				
<b>1.3 Details of the supplier of the safety data sheet</b>				
NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR				
<b>1.4 Emergency Tel. No.</b>		+44(0)1603 610883		

### 02. HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
The Full Text for all Hazard Statements is 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).	
<b>2.2 Label Elements</b>	
Label in accordance with (EC) No 1272/2008	
<div> <div>GHS08</div> <div>GHS02</div> <div>GHS09</div> <div>GHS07</div> </div> <div>     </div>	
Signal Word	Danger
Contains	1,8-Cineole, Alpha-terpineol, Pinenes, (R)-P-Mentha-1,8-Diene, Para-Cymene
<b>Hazard Statements</b>	
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.	

<b>Precautionary Statements</b>	
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
<b>Supplementary Precautionary Statements</b>	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/attention.

<b>2.3 Other Hazards</b>	
PBT or vPvB according to Annex XIII	The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.2 Mixtures</b>	
≤60.0% 1,8-CINEOLE CAS: 470-82-6, EC: 207-431-5	Classification (EC 1272/2008) Warning, Flam. Liq. 3, H226, Skin Sens. 1 – H317
≤20.0% ALPHA-TERPINEOL CAS-No.: 98-55-5 EC No.: 202-680-6	Classification (EC 1272/2008) Warning Flam. Liq. 3, H226, Skin Irrit. 2, H315 Eye Irrit. 2, H319
≤9.4% (R)-P-MENTHA-1,8-DIENE CAS: 5989-27-5, EC: 227-813-5	Classification (EC 1272/2008) Warning, Flam. Liq. 3, H226, Skin Irrit. 2, H315, Skin Sens. 1, H317, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1
≤7.0% PINENES (ALPHA OR BETA)	Classification (EC 1272/2008) Dgr Flam. Liq. 3, H226, Asp. Tox. 1, H304, Skin Sens. 1, H317, Aquatic Acute 1, H400, M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1
≤6.0% HYDROCARBONS	Classification (EC 1272/2008) Danger Asp. Tox. 1, H304
≤2.0% PARA-CYMENE CAS: 99-87-6, EC: 202-796-7	Classification (EC 1272/2008) Danger, Flam. Liq. 3, H226, Asp. Tox. 1, H304, Aquatic Chronic 2, H411,

## 04. FIRST AID MEASURES

<b>4.1</b>	<b>Description of first aid measures</b>
Inhalation	Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues.
Ingestion	Seek medical assistance immediately. Rinse mouth and drink plenty of water. Keep patient under observation.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>
	No additional data available.
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>
	No additional data available.

## 05. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media</b>
Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO <sub>2</sub> ).
<b>5.2 Special hazards arising from the product</b>
Specific hazards: When heated and in case of fire, toxic vapours/gases may be formed.
<b>5.3 Advice for firefighters</b>
Protective equipment for fire-fighters: Wear Self-contained breathing apparatus. Wear chemical protective clothing.

## 06. ACCIDENTAL RELEASE MEASURES


<b>6.1 Personal precautions, protective equipment and emergency procedures</b>
Wear protective clothing as described in Section 8 of this safety data sheet.
<b>6.2 Environmental Precautions</b>
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 regulations.
<b>6.3 Methods and material for containment and cleaning up.</b>
Clean preferably with a detergent, do not use solvents.
<b>6.4 Reference to other sections</b>
Refer to Section 8 for information on personal protection equipment.

## 07. HANDLING AND STORAGE

<b>7.1</b>	<b>Precautions for safe handling</b>
	<p>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.</p> <p>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.</p> <p>Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations.</p> <p>Prohibited equipment and procedures: No smoking, eating or drinking in areas where the substance is used. Never open the packages under pressure.</p>
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>

	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flames Store separate from strong oxidising agents.
7.3	Specific end use(s)
	No additional data available

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
-	
<b>8.2 Exposure controls</b>	
Protective Equipment	
	
Process Conditions	Safety shower and eye bath.
Engineering Measures	Provide adequate ventilation. Respiratory equipment. Self-contained breathing apparatus.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid
Colour	Colourless to Pale Yellow
Odour	Characteristic
Relative Density @ 20°C	0.903 - 0.924
Flash Point (°C)	23°C ≤ PE ≤ 55°C
Refractive Index @ 20°C	1.465 -1.472
Melting Point (°C)	Not determined.
Boiling Point (°C)	Not determined.
Vapour Pressure	Not determined.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	Not determined.
<b>9.2 Other information</b>	
No additional data available.	

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>
No additional data available.
<b>10.2 Chemical stability</b>
Stable under the recommended handling and storage conditions.
<b>10.3 Possible hazardous reactions</b>
No additional data available.
<b>10.4 Conditions to Avoid</b>
Avoid heat, sparks and open flames.
<b>10.5 Incompatible materials</b>
<b>Materials to Avoid:</b> Strong oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
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.
Skin corrosion / irritation	Caustic effect on skin and mucous membranes.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	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	No additional data available.
Other Information	No additional data available.



## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>
No additional data available.
<b>12.2 Persistence &amp; degradability</b>
No additional data available.
<b>12.3 Bioaccumulation Potential</b>
No additional data available.
<b>12.4 Mobility in soil</b>
No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>
No additional data available.
<b>12.6 Other adverse effects</b>
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>
Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169
<b>14.2 UN proper shipping name</b>	
	UN1169=EXTRACTS, AROMATIC, LIQUID
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class:	3
ICAO Class/Division:	3
IMDG Class:	3
Transport Labels	
	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
<b>14.5 Environmental hazards</b>	
	Environmentally Hazardous Substance/Marine Pollutant
	
<b>14.6 Special precautions for user</b>	
	EMS F-A-S-F
	Hazard No. (ADR) 9
	Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.
	Tunnel Restriction Code (E)
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
	No additional data available.

## 15. REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
	<p>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.</p>
<b>15.2</b>	<b>Chemical safety assessment</b>
	No additional information available.

## 16. OTHER INFORMATION

Hazard and/or Precautionary 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.
Other Information	None.
Revision Date	20/10/2017
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