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Safety Data Sheet


Organic Myrtle Essential Oil (*Myrtus communis*)

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Myrtle Oil Organic			
Biological Definition		Myrtus Communis Oil is a volatile oil obtained from the leaves of the Myrtle, <i>Myrtus communis</i> L., <i>Myrtaceae</i>			
INCI Name		Myrtus Communis Oil			
Synonyms & Trade Names					
CAS-No	84082-67-7 / 8008-46-6	EC No.	282-012-8 / -	EINECS No.	282-012-8 / -
1.2 Relative identified uses of the substance or mixture and uses advised against					
Perfumes, fragrances.					
1.3 Details of the supplier of the safety data sheet					
NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK Email – info@nhrorganicoils.com					
1.4 Emergency Tel. No.		+ 44 (0) 1273 746505			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
The Full Text for all Hazard Statements is Displayed in Section 16.	
Classification (EC 1272/2008)	
Physical and Chemical Hazards: Flam. Liq. 3 (H226) Human health: Asp. Tox. 1 (H304) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Environment : Aquatic Acute 1 (H410)	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07 GHS02 GHS08 GHS09	
	
Signal Word	Danger
Contains	Limonene, α -pinene

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.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary Statements	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing and eye/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISONCENTER/doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	
10 – 30% Eucalyptol (1,8-Cineole)	CAS-No: 470-82-6 EC No:207-431-5
Classification (EC 1272/2008): Flam. Liq. 3, H226; Skin Sens. 1B, H317	
10.0 – 25.0% α-Pinene	CAS-No: 80-56-8 EC No: 201-291-9
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304	
7.0 – 20.0% Linalool	CAS-No: 78-70-6 EC No: 201-134-4
Classification (EC 1272/2008) Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402	
5.0 - 15.0% D-Limonene	CAS-No: 5989-27-5 EC No: 227-813-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317 Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	
< 2% Geraniol	CAS No: 106-34-1 EC No:203-377-1
Classification (EC 1272/2008) Skin Irrit. 2, H315, Skin Sens. 1 - H317, Eye Dam. 1 - H318	
1 – 5% Linalyl Acetate	CAS No: 115-95-7 EC No: 204-116-4
Classification (EC 1272/2008) Skin Irrit. 2, H315; Eye Irrit. 2, H319	
<0.9% Eugenol Methyl Ether (Methyleugenol)	CAS-No.: 93-15-2 EC No: 202-223-0
Classification (EC 1272/2008) Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 2 - H351, Aquatic Chronic 2 - H411	

<0.15% Thujone CAS-No 546-80-5 EC 208-912-2

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

4. FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Remove immediately from source of exposure into fresh air. Seek medical attention immediately.
Ingestion	DO NOT INDUCE VOMITING! Rinse mouth and provide fresh air. Seek medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention immediately.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Continue to rinse.

4.2 Most important symptoms and effects, both acute and delayed

Observe risk of aspiration if vomiting occurs.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing Media**

Extinguishing media: Carbon dioxide (CO₂). Powder. Foam.
 Unsuitable extinguishing media: Full water jet.

5.2 Special hazards arising from the product

B (Fires of liquids or liquid turning substances). In case of fire toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.

5.3 Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely. Wear suitable breathing apparatus. Wear suitable equipment for self protection.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Give a warning to persons in the hazard area. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Provide adequate ventilation.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up.

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handle in accordance with good hygiene and safety practice. Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges. When using, do not smoke, drink or eat. Wear suitable clothing to avoid contact with skin, eyes and clothing. Avoid inhalation of product vapours. Provide adequate ventilation of working area.

7.2 Conditions for safe storage, including any incompatibilities

Keep product tightly closed in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light.

7.3 Specific end use(s)

No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional data available.

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data available.
Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	If ventilation is insufficient, use respiratory equipment.
Hand Protection	Wear Chemical resistant gloves (PVC) according to EN374.
Eye Protection	Wear approved safety goggles according to EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid contact with skin and eyes. Avoid inhalation of vapours.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile Liquid
Colour	Dark orange to red
Odour	Characteristic
Relative Density	0.890 - 0.920 @ 20°C
Flash Point (°C)	45
Refractive Index	1.465 - 1.475 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water. Soluble in ethanol at a ratio of 1:5
Auto-ignition	No additional data available.

temperature (°C)	
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Stable under the recommended handling and storage conditions.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
No hazardous reactions at proper usage and handling.	
10.4 Conditions to Avoid	
Temperatures more than room temperature will benefit the transfer from liquid to vapour phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.	
10.5 Incompatible materials	
No additional data available.	
10.6 Hazardous Decomposition Products	
No dangerous decomposition products known.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	LD50 (oral) in mg/kg: > 5000 LD50 (dermal) in mg/kg: > 5000
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Causes serious eye irritation.
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.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Very toxic to aquatic life with long lasting effects	
12.2 Persistence & degradability	
No additional data available.	
12.3 Bioaccumulation Potential	
No additional data available.	
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

Do not allow product to enter streams, sewers or other waterways. Water Hazard Class; WGK-2.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Collect and dispose of waste product in accordance with local authority guidelines using a hazardous chemical disposal company. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION**14.1 UN number**

UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169

14.2 UN proper shipping name

Extracts, Aromatic Liquid

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 3 (Flammable Liquid)
 IMDG Class: 3 (Flammable Liquid)
 ICAO Class/Division: 3 (Flammable Liquid)

Transport Labels

**14.4 Packing group**

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

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

**14.6 Special precautions for user**

See sections 6-8.

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

Packed and transferred according to transport regulations.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
<p><u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p><u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG(108).</p> <p><u>EU Legislation</u> 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>
15.2 Chemical safety assessment
No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H226 Flammable liquid and vapour.</p> <p>H303 May be harmful if swallowed</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation</p> <p>H317 May cause an allergic skin reaction.</p> <p>H341 Suspected of causing genetic defects</p> <p>H351 Suspected of causing cancer</p> <p>H400 Very toxic to aquatic life</p> <p>H402 Harmful to aquatic life</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long-lasting effects</p>
Other Information	None
Revision Date	30/07/2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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