

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

1.1 Product Identifier	Myrtle Oil				
Biological Definition	Myrtus Communis Oil is an essential oil obtained from the leaves of the Myrtle, Myrtus communis L., Myrtaceae				
INCI Name	Myrtus Communis Oil				
Synonyms Trade Names	-				
CAS Number	8008-46-6	EC Number	282-012-8	EINECS No.	282-012-8

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 displayed in Section 16.

Classification (EC 1272 / 2008)

Aspiration toxicity Category 1 - (H304) Skin corrosion/irritation Category 2 - (H315) Serious eye damage/eye irritation Category 2 - (H319) Skin sensitisation Category 1 - (H317) Chronic aquatic toxicity Category 1 - (H410) Flammable liquids Category 3 - (H226)

GHS02

GHS07

GHS08

GHS09

None



Signal Word

Danger

Contains

Limonene, Beta Pinene, Alpha Pinene, Caryophyllene, Myrcene, Terpineol, p-Cymene, l-Limonene, Alpha Terpinene, p-Mentha-1,4-diene, Eugenol, 1,8-Epoxy-p-Menthane, Geranyl Acetate, Methyl Eugenol,

Hazard Statements

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.

H226 Flammable liquid and vapour.

Precautionary Statements

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

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Supplementary Precautionary Statements

None Identified

2.3 Other Hazards

PBT or PvB according to Annex XIII	No additional data available.
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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

30 - 40 % 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

10 - 20 % Beta-Pinene

CAS No: 127-91-3 EC No: 20-872-5

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317

2 - 5 % Alpha Pinene

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

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

1 - 2.5 % Caryophyllene

CAS No: 87-44-5 EC No: 201-746-1

Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304

5 - 15 % Terpineol

CAS No: 8000-41-7 EC No: 232-268-1

Classification (EC 1272/2008): Skin Irrit. 2 - H315, Eye Irrit. 2 - H319

5 - 15 % Eugenol	CAS No: 97-53-0	EC No: 202-589-1
Classification (EC 1272/2008): Acute Tox. 4 - H302, Carc. 2 - H351, Muta. 2 - H341		
2 - 10 % 1,8-Epoxy-p-Menthane	CAS No: 470-82-6	EC No: 207-431-5
Classification (EC 1272/2008): Skin Sens. 1 - H317,, Flam. Liq. 3 - H226		
1 - 2.5 % Geranyl Acetate	CAS No: 105-87-3	EC No: 203-341-5
Classification (EC 1272/2008): Aquatic Chronic 2 - H411		
0 - 1 % Methyl Eugenol	CAS No: 93-15-2	EC No: 202-223-0
Classification (EC 1272/2008): Muta. 2 -H341, Carc. 2 - H351, Acute Tox. 4 - H302, STOT SE 2 - H371, Aquatic Chronic 2 - H411		
2 - 5 % 3,7 Dimethylocta-1,6-dien-3-ol	CAS No: 78-70-6	EC No: 201-134-4
Classification (EC 1272/2008): Sin Irrit. 2 - H315, Eye Irrit. 2 - H319, Aquatic Acute 3 - H402		
1 - 2.5 % 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 - 1 % Terpinolene	CAS No: 586-62-9	EC No: 209-578-0
Classification (EC 1272/2008): FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H304-H317 - H410		
0 - 1 % Geranoil	CAS No: 106-24-1	EC No: 203-377-1
Classification (EC 1272/2008): SCI 2-EDI, 1-SS 1,;H315 - H3170H319		
0 - 1 % Methyl Eugenol	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		

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Remove to fresh air.
41 Ingestion:	Clean mouth with water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
41 Eye:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult

a doctor.

41 Skin:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Liquid, aerosols and vapours of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

Personal precautions Ensure adequate ventilation, especially in confined areas. For emergency responders Use personal protection recommended in Section 8.

6.2 Environmental Precautions

See Section 12 for additional ecological information.

6.3 Methods and material for containment and clearing up

Methods for containment Prevent further leakage or spillage if safe to do so. Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Please refer to Section 8 - Exposure controls/personal protection for further information on personal precautions Please refer to Section 13 - Disposal Considerations for further information on waste treatment.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas Use personal protection recommended in Section 8 General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including and incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Chemical Name European Union United Kingdom France Spain Germany Limonene - - TWA: 1000 mg/m³ - TWA: 5 ppm 5989-27-5 STEL: 1500 mg/m³ TWA: 28 mg/m³ H*Beta Pinene - - TWA: 1000 mg/m³ TWA: 20 ppm -127-91-3 STEL: 1500 mg/m³ TWA: 113 mg/m³ Alpha Pinene - - TWA: 1000 mg/m³ TWA: 20 ppm -80-56-8 STEL: 1500 mg/m³ TWA: 113 mg/m³- Terpinolene - - TWA: 1000 mg/m³ - -586-62-9 STEL: 1500 mg/m³ I-Limonene - - TWA: 1000 mg/m³ - -586-62-9 STEL: 1500 mg/m³ Chemical Name Italy Portugal Netherlands Finland Denmark

8.2 Exposure controls

Protective Equipment

Goggles

Gloves

None

None

None



Process Conditions:	Provide eyewash station.
Engineering Measures:	Provide adequate ventilation.
Respiratory Equipment:	Avoid inhalation of vapour.
Hand Protection:	Avoid skin contact. Wear protective gloves.
Eye Protection:	Wear protective goggles to prevent eye contact.
Other Protection:	Slip proof shoes may be worn in event of spillages.
Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection:	Avoid inhalation of vapour and contact with skin and eyes.
Skin Protection	Wear overalls or laboratory coat to protect from skin contact.
Environmental Exposure Controls:	Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Clear mobile liquid, yellow/green - orange brown
Colour:	Yellow/Green – Orange/Brown.
Flash Point:	48°C
Odour:	Characteristic.
Relative Density:	0.875 – 0.893 @ 20°C
Refractive:	1.470 – 1.486 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	Product is not self-igniting.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional data available.

10.2 Chemical Stability

Stable under normal temperature conditions and recommended use.

10.3 Possible hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Heat, flames and sparks Exposure to air or moisture over prolonged periods.

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

None under normal use conditions.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxological effects

Acute Toxicity:	Chemical Name	Oral LD50	Dermal
	LD50 Inhalation LC50		
	Limonene		>5 g/kg
	(Rabbit)Eugenol	=1930 mg/kg	
	(Rat)Terpineol	=2900 mg/kg (Rat)	1,8-Epoxy-p-
	menthane	=2480 mg/kg (Rat)	Alpha Pinene =
	3700 mg/kg (Rat)	>5000 mg/kg (Rat)	3,7-Dimethylocta-1,6-dien-3-ol
	=2790 mg/kg (Rat)	Linalyl Acetate	=13934 mg/kg
	(Rat)Geranyl Acetate	=6330 mg/kg	
	(Rat)Terpinolene	=4390 mg/kg	
(Rat)Geraniol	=3600 mg/kg (Rat)	> 5 g/kg (
Rabbit)			
Respiratory or skin sensitisation:	No additional data available.		
Skin corrosion/irritation:	Methyl eugenol	=810 mg/kg (Rat)	
Serious Eye damage/irritation:	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.		
Germ Cell Mutagenicity:	gas 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity.		
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.		
Aspiration hazard:	No additional data available.		
Other Information:	No additional data available.		

12. ECOLOGICAL INFORMATION

12.1 Toxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Limonene	-	0.619 - 0.796: 96 h Pimephales	-promelas
mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss		mg/L LC50 3,7-Dimethylocta-1,6-dien-3-ol	88.3: 96 h
Desmodemus	-	20: 48 h Daphnia magna	mg/L subspicatus mg/L
EC50		EC50	

12.2 Persistence Degradability

No additional data available.

12.3 Bioaccumulation Potential

Chemical Name	Partition coefficient Alpha Pinene	4.13,7-
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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 release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

14. TRANSPORT INFORMATION

14.1 UN number

Road:	1169
Sea:	1169
Air:	1169

14.2 UN Proper shipping name

EXTRACTS, AROM

14.3 Transport hazard class(es)

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

Cl. 3_140_s

Cl. 8_140

EXTRACTS, AROM



14.4 Packing group

14.5 Environmental Hazards

Environmentally H

Umwelt_140

EXTRACTS, AROM

EXTRACTS, AROM



14.6 Special precautions for users

No additional data available.

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

No additional data available.

15. REGULATORY 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	H315 - Causes skin irritation H317 - May cause an allergic skin reaction H412 - Harmful to aquatic life with long lasting effects H318 - Causes serious eye damage H304 - May be fatal if swallowed and enters airways H226 - Flammable liquid and vapour H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects H341 - Suspected of causing genetic defects if inhaled H351 - Suspected of causing cancer if inhaled H302 - Harmful if swallowed H411 - Toxic to aquatic life with long lasting effects H319 - Causes serious eye irritation.
Other Information:::	None
Revision Date:	3/15/2022
Reason:	New SDS
Revision Number:	2

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