



MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/MIXTURE & OF THE COMPANY/UNDERTAKING





1:1-Product Identifiers:					
Product name	Myrtle Oil WHC705				
Biological Definition	Myrtus Communis Oil is an essential oil obtained from the leaves of the Myrtle, <i>Myrtus communis</i> L., <i>Myrtaceae</i>				
INCI Name	Myrtus Communis Oil				
Synonyms & Trade Names	-				
Reach Registration Number	-				
FEMA No.	-	FDA No.	-	CoE No.	-
CAS-No	8008-46-6	EC No.	282-012-8	EINECS No.	282-012-8

1:2 – Relevant Identified Uses of the substance or mixture and uses advised against:	
Identified Uses	No additional data available
1:3 – Details of the supplier of the Safety data sheets.	
Company Name	The Soap Kitchen Unit 8 Caddsdawn Industrial Park, Clovelly Road, Bideford, Devon EX39 3DX Tel: 01237 420872 (+44 (0)1237 420872) Email: it@thesoapkitchen.co.uk

02. HAZARDS IDENTIFICATION

2:1 Classification of the substance or mixture	
Classification (EC 1272/2008)	The Full Text for all Hazard Statements displayed in Section 16. 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)
2.2 – Label Elements	

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Label Elements in accordance with (EC) No 1272/2008	<div>GHS02</div>  <div>GHS07</div>  <div>GHS08</div>  <div>GHS09</div> 
2:3 - Other hazards	
Signal Word	Danger
Contains	Limonene, Beta Pinene, Alpha Pinene, Caryophyllene, Myrcene, Terpinolene, Para 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 eye protection/ face protection P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor P331 - Do NOT induce vomiting P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Supplementary Precautionary Statements	None
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

03. COMPOSITION/INFORMATION ON INGREDIENTS

3:1 - Substances	
Substances	No additional data available
3:2 - Mixtures	
Mixtures	<p>30.0 – 45.0% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Flam Liq. 3 (H226)</p>

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	<p>10.0 – 20.0% B-Pinene CAS-No.: 127-91-3 EC No.: 204-872-5</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Flam Liq. 3 (H226)</p>
	<p>5.0 - 15.0% Eugenol CAS: 97-53-0, EC: 202-589-1</p> <p>Classification (EC 1272/2008) Eye Irrit. 2 (H319), Skin Sens. 1 (H317)</p>
	<p>5.0 - 15.0% Terpineol CAS: 8000-41-7, EC: 232-268-1</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 (H315), Eye Irrit. 2 (H319)</p>
	<p>2.0 - 10.0% 1,8-Epoxy-p-menthane CAS: 470-82-6, EC: 207-431-5</p> <p>Classification (EC 1272/2008) Skin Sens. 1 (H317), Flam Liq. 3 (H226)</p>
	<p>2.0 - 5.0% A-Pinene CAS: 80-56-8, EC: 201-291-9</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Flam Liq. 3 (H226)</p>
	<p>2.0 - 5.0% 3,7-Dimethylocta-1,6-dien-3-ol CAS: 78-70-6, EC: 201-134-4</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 (H315), Eye Irrit. 2 (H319), Aquatic Acute 3 (H402)</p>
	<p>1.0 – 2.5% Caryophyllene CAS: 87-44-5, EC: 201-746-1</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 (H304)</p>
	<p>1.0 – 2.5% Linalyl Acetate CAS: 115-95-7, EC: 204-116-4</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 (H315), Eye Irrit. 2 (H319)</p>
	<p>1.0 – 2.5% Geranyl Acetate CAS: 105-87-3, EC: 203-341-5</p> <p>Classification (EC 1272/2008) Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Chronic 3 (H412)</p>
	<p><1.0% Terpinolene CAS: 586-62-9, EC: 209-578-0</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 (H304), Skin Sens. 1 (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Flam Liq. 3 (H226)</p>

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	<p><1.0% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5</p> <p>Classification (EC 1272/2008) Asp. Tox. 1 (H304), Skin Irrit. 2 (H315), Skin Sens. 1 (H317), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Flam Liq. 3 (H226)</p>
	<p><1.0% Geraniol CAS: 106-24-1, EC: 203-377-1</p> <p>Classification (EC 1272/2008) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317</p>
	<p><1.0% Methyl eugenol CAS: 93-15-2, EC: 202-223-0</p> <p>Classification (EC 1272/2008) Muta. 2 (H341), Carc. 2 (H351), Acute Tox. 4 (H302), STOT SE 2 (H371) Aquatic Chronic 2 (H411)</p>

04. FIRST AID MEASURES

4:1 – Description of first aid measures	
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
4:2 – Most important symptoms and effects, both acute and delayed	
Symptoms and effects	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	
Special requirements	Treat symptomatically

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05. FIRE-FIGHTING MEASURES

5:1 - Extinguishing Media	
Suitable extinguishing Media	Use CO2, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames.
Unsuitable extinguishing Media-DO NOT USE	Do not use direct water jet on burning material.
5:2 - Special Hazards arising from substance or mixture	
Specific hazards	Thermal decomposition can lead to release of irritating and toxic gases and vapours
5:3 – Advice for firefighters	
Special firefighting procedures/ protective actions.	Special protective equipment for Wear self-contained breathing apparatus and protective suit. Use personal protective fire-fighters equipment as required.

06. ACCIDENTAL RELEASE MEASURES

6:1 - Personal Precautions, protective equipment and emergency procedures.	
Personal precautions	Personal precautions Ensure adequate ventilation, especially in confined areas. For emergency responders Use personal protection recommended in Section 8.
6:2 - Environmental Precautions	
Environmental Precautions	See Section 12 for additional ecological information.
6:3 – Methods and materials for containment and cleaning up	
Spill Clean Up Methods	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	
Reference to other sections	Section 8 – Exposure controls/ personal protection for further information on personal precautions, Section 13 – Disposal considerations for further information on waste treatment.

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07. HANDLING AND STORAGE

7:1 – Precautions for safe handling	
Usage precautions	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 any incompatibilities	
Storage Precautions	Storage Conditions Keep container tightly closed in a dry and well-ventilated place
Suitable Packaging	No additional data available
7:3 – Specific end use (s)	
End Uses	No additional data available

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8:1 – Control parameters					
Chemical Name	European Union	United Kingdom	France	Spain	Germany
Limonene 5989-27-5	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	TWA: 5 ppm TWA: 28 mg/m3 H*
Beta Pinene 127-91-3	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 20 ppm TWA: 113 mg/m3	-
Alpha Pinene 80-56-8	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 20 ppm TWA: 113 mg/m3-	-
Terpinolene 586-62-9	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
I-Limonene 586-62-9	-	-	TWA: 1000 mg/m3 STEL: 1500 mg/m3	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 50 ppm STEL: 280 mg/m3	-
Beta Pinene 127-91-3	-	TWA: 20 ppm	-	-	-

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Alpha Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Limonene 5989-27-5	-	TWA: 7 ppm TWA: 40 mg/m3 STEL: 14 ppm STEL: 80 mg/m3	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 25 ppm STEL: 140 mg/m3	-
Beta Pinene 127-91-3	-	-	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 25 ppm STEL: 140 mg/m3	-
Alpha Pinene 80-56-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 25 ppm STEL: 140 mg/m3	-
I-Limonene 5989-54-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m3 STEL: 25 ppm STEL: 140 mg/m3	-
8:2 – Exposure controls					
Protective Equipment	  				
Process conditions	No additional data available.				
Engineering Measures	Provide adequate ventilation.				
Respiratory Equipment	None under normal use conditions.				
Hand Protection	Wear protective gloves.				
Eye Protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).				

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Other Protection	No additional data available.
Hygiene Measures	Wear suitable protective clothing. Regular cleaning of equipment, work area and clothing is recommended.
Personal protection	No additional data available.
Skin protection	No additional data available.
Environmental exposure controls	Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

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.
Odour	Characteristic.
Relative Density	0.875 – 0.893 @ 20°C
Flash Point (°C)	48°C
Refractive Index	1.470 – 1.486 @ 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.
Auto-ignition temperature (°C)	Product is not self-igniting.
9:2 - Other information	
Other Information	No additional data available.

10. STABILITY AND REACTIVITY

10:1- Reactivity	
Reactivity	No additional data available.
10:2 - Chemical stability	

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Stability	Stable under the recommended handling and storage conditions
10:3 - Possibility of hazardous reactions	
Possible hazardous reactions	None under normal conditions of use
10:4 - Conditions to avoid	
Conditions to Avoid	Heat, flames and sparks Exposure to air or moisture over prolonged periods.
10:5 – Incompatible materials	
Incompatible materials	No additional data available.
10:6 - Hazardous Decomposition Products	
Hazardous Decomposition Products	None under normal use conditions.

11. TOXOLOGICAL INFORMATION

11:1 Information on toxicological 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)	
	Methyl eugenol	=810 mg/kg (Rat)		
Skin corrosion / irritation	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.			
Serious eye damage / irritation	No additional data available.			
Respiratory or skin sensitisation	gas 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity.			
Germ Cell Mutagenicity	No additional data available.			

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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				
Ecotoxicity	0% of the mixture consists of components(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 Desmodesmus subspicatus mg/L EC50	-	20: 48 h Daphnia magna mg/L EC50
12:2 - Persistence & degradability				
Persistence & degradability	No additional data available			
12:3 - Bioaccumulative Potential				
Bioaccumulative Potential	Chemical Name	Partition coefficient		
	Alpha Pinene	4.1		
	3,7-Dimethylocta-1,6-dien-3-ol	3.1		
12:4 – Mobility in soil				
Mobility	No additional data available			

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12:5 – Results of PBT and vPvB assessment

PBT Assessment Results	No additional data available
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12:6 Other adverse effects

Precautions	No additional data available
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13. DISPOSAL CONSIDERATIONS

13:1 Waste treatment methods

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

Warning Icon	
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14:1 – UN Number

UN No Road – ADR/RID/ADN	1169
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UN No Sea- IMDG	1169
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UN No Air – IATA	1169
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14:2 – UN proper shipping name


Road – ADR/RID/ADN	EXTRACTS, AROMATIC, LIQUID.
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Sea- IMDG	EXTRACTS, AROMATIC, LIQUID.
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Air - IATA	EXTRACTS, AROMATIC, LIQUID.
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14:3 – Transport Hazard class (es)

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Road – ADR/RID/ADN	3
Sea- IMDG	3
Air- IATA	3
14:4 - Packaging group	
Road – ADR/RID/ADN	III
Sea- IMDG	III
Air - IATA	III
14:5 – Environmental hazard	
Environmentally hazardous substance/ marine pollutant.	Environmentally Hazardous Substance/Marine Pollutant. 
14:6 - Special precautions for user	
Precautions	No additional data available
14:7 – Transport in bulk according to Annex II of MARPOL 73/79 and the IBC code	
	No additional data available

15. REGULATORY INFORMATION

15:1 – Safety, health and environmental regulations/ legislation specific for the substance or mixture.	
EU Directives	Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC

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	and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.		
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).		
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations		
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.		
15:2 Chemical Safety assessment			
Assessment information	Chemical Name	French RG number	Title
	Limonene 5989-27-5	RG 84	-
	I-Limonene 5989-54-8	RG 84	-

16. OTHER INFORMATION

Revision Date	06.10.2016
Rev No/Repl, SDS Generated	2
Change Description	Updated to new MSDS format
Changes made by	K Tatton
Review Date	06.10.2018
Risk Phrases in Full	None
Hazard Statements in Full	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

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	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

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.