



The Soap Kitchen (2011) Ltd  
Unit 8, Caddsdwn Industrial Park, Clovelly Road,  
Bideford, Devon, EX39 3DX, United Kingdom

Email: enquiries@thesoapkitchen.co.uk  
Call: +44 (0) 1237 420 872

## MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier					
Product Name		Tea Tree Oil			
Biological Definition		No additional data			
INCI Name		Melaleuca Alternifolia			
Synonyms & Trade Names		-			
CAS-No	68647-73-4	EC No.	285-377-1	EINECS No.	285-377-1
1.2 Relative identified uses of the substance or mixture and uses advised against					
Industrial, professional					
1.3 Details of the supplier of the safety data sheet					
The Soap Kitchen, Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford, EX39 3DX					
1.4 Emergency Tel. No.		+ 44 (0) 1260 222 943			

### 02 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
No additional data
Classification (EC 1272/2008)
<b>Aspiration toxicity</b> Category 1 - H304 <b>Acute toxicity - Oral</b> Category 4 - H302 <b>Skin corrosion/irritation</b> Category 2 - H315 <b>Serious eye damage/eye irritation</b> Category 2 - H319 <b>Skin sensitization</b> Category 1B - H317 <b>Chronic aquatic toxicity</b> Category 2 - H411 <b>Flammable liquids</b> Category 3 - H226
2.2 Label Elements
Label in accordance with (EC) No 1272/2008

# MATERIAL SAFETY DATA SHEET



Signal Word	Danger
Contains	gamma-Terpinene, alpha-Terpinene, alpha-Pinene, Terpinolene, beta-Pinene, Caryophyllene, Sabinene
Hazard Statements	
H302 - Harmful if swallowed H401 - Toxic to aquatic life 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 H411 - Toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor	
Precautionary Statements	
P280 - Wear protective gloves/protective clothing/eye protection/face protection P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor P331 - Do NOT induce vomiting P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P273 - Avoid release to the environment P501 - Dispose of contents/ container to an approved waste disposal plant	
Supplementary Precautionary Statements	
No additional data	
<b>2.3 Other Hazards</b>	
PBT or vPvB according to Annex XIII	No additional data
Adverse physio-chemical properties	No additional data
Adverse effects on human health	No additional data

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.2 Mixtures</b>
<b>40 -&lt;50% Terpinen-4-ol Present</b> <b>CAS:562-74-3</b> <b>Classification: Aquatic Acute 3 - H402</b> <b>Eye Irrit. 2 - H319</b> <b>Skin Irrit. 2 - H315</b> <b>Acute Tox. 4 - H302</b>

## MATERIAL SAFETY DATA SHEET

<p>AcuteTox. 5 - H313 Flam. Liq. 4</p>
<p><u>20 - &lt;30% gamma-Terpinene</u> CAS:99-85-4 Classification: Skin Irrit. 3 - H316 Asp. Tox. 1 - H304 Acute Tox. 5 H303 Flam. Liq. 3 - H226</p>
<p><u>1 - &lt;10% alpha-Terpinene</u> CAS:99-86-5 Classification: Aquatic Acute 2 - H401 Skin Irrit. 3 - H316 Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Acute Tox. 4 - H302 Flam. Liq. 3 - H226</p>
<p><u>1 - &lt;10% alpha-Terpineol</u> CAS: 98-55-5 Aquatic Acute 2 - H401 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Acute Tox. 5 - H303 Flam. Liq. 4 - H227</p>
<p><u>1 - &lt;10% alpha-Pinene</u> CAS:80-56-8 Acute Aquatic 1 - H400 Chronic Aquatic 1 - H410 Acute Tox. 4 - H302 Skin Sens. 1B - H317 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226</p>
<p><u>1 - &lt;10% Terpinolene</u> CAS: 586-62-9 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Asp. Tox. 1 - H304 Acute Tox. 5 - H303 Flam. Liq. 4 - H227 Skin Irrit. 3 - H316 Skin Sens. 1 - H317</p>
<p><u>1 - &lt;10% para-Cymene</u> CAS: 99-87-6 Aquatic Acute 2 - H401 Skin Irrit. 3 - H316 Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304</p>

## MATERIAL SAFETY DATA SHEET

<p>Acute Tox. 5 - H303            Flam. Liq. 3 - H226</p>
<p><u>1 - &lt;10% l-Limonene</u>            CAS: 5989-54-8            Aquatic Acute 1 - H400            Skin Sens. 1B - H317            Skin Irrit. 2 - H315            Asp. Tox. 1 - H304            Aquatic Chronic 1 - H410            Flam. Liq. 3 - H226</p>
<p><u>1 - &lt;10% Eucalyptol</u>            CAS: 470-82-6            Skin Irrit. 3 - H316            Acute Tox. 5 - H303            Flam. Liq. 3 H226            Skin Sens. 1B - H317</p>
<p><u>0.1 - &lt;1% beta-Pinene</u>            CAS: 127-91-3            Acute Aquatic 1 - H400            Chronic Aquatic 1 - H410            Skin Sens. 1 - H317            Skin Irrit. 2 - H315            Asp.Tox. 1 - H304            Flam. Liq. 3 - H226</p>
<p><u>0.1 - &lt;1 % alpha-Phellandrene</u>            CAS: 99-83-2 Skin Irrit. 3 - H316            Asp. Tox. 1 - H304            Flam. Liq. 3 - H226</p>
<p><u>0.1 - &lt;1 % Myrcene</u>            CAS:123-35-3            Eye Irrit. 2 - H319            Skin Irrit. 2 - H315            Asp. Tox. 1 - H304            Flam. Liquid 3 - H226            Acute Aquatic1 - H400            Chronic Aquatic 2 - H411</p>
<p><u>0.1 - &lt;1% Caryophyllene</u>            CAS: 87-44-5            Skin Irrit. 3 - H316            Asp. Tox. 1 - H304            Skin Sens. 1B - H317</p>
<p><u>0.1 - &lt;1% Sabinene</u>            CAS: 3387-41-5            Asp. Tox. 1H304            Flam Liq. 3 - H226            Skin Irrit. 2 - H315            Skin Sens. 1B - H317</p>

# MATERIAL SAFETY DATA SHEET

Acute Aquatic 1 - H400  
Chronic Aquatic 1 - H410

0.01 - <0.1% Camphene

CAS: 79-92-5

Aquatic Acute 1 - H400

Eye Irrit. 2B - H320

Aquatic Chronic 1 - H410

Flam. Sol 2 - H228

## 04. FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Remove to fresh air immediately. If difficulty breathing occurs, provide oxygen. If irritation or discomfort occurs, seek medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water. Drink plenty of water. Seek medical attention.
Skin Contact	Remove contaminated clothing and wash before reuse. Wash with soap and water. Seek medical attention if discomfort occurs.
Eye Contact	Remove contact lenses if safe to do so. Rinse with running water for a minimum of 15 minutes. If discomfort continues, seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No additional data

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

## 05. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Dry Chemical Powder, Foam, Carbon Dioxide. Do not use water jet.

### 5.2 Special hazards arising from the product

Keep product and empty container away from heat and sources of ignition as this product is flammable. Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus if in a poorly ventilated area.

## 06. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid proactive inhalation. Provide adequate ventilation.

### 6.2 Environmental Precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the appropriate regulatory body. Prevent this product from entering any drains or bodies of water including underground waterways.

### 6.3 Methods and material for containment and cleaning up.

Contain, absorb and collect any spillage with sand. Place in disposal container. Take precautionary measures against static charges.

# MATERIAL SAFETY DATA SHEET

## 6.4 Reference to other sections

Section 13

## 07. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not eat, drink or smoke whilst handling this product. Wear appropriate protective clothing. Use appropriate equipment when handling drums or heavy packages. Keep away any potential sources of ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place, keep away from heat and direct sunlight.

### 7.3 Specific end use(s)

No additional data

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
gamma-Terpinene 99-85-4			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
alpha-Terpinene 99-86-5			TWA: 1000 mg/m3 STEL: 1500 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		
para-Cymene 99-87-6			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
l-Limonene 5989-54-8			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
beta-Pinene 127-91-3			TWA: 1000 mg/m3 STEL: 1500 mg/m3	TWA: 20 ppm TWA: 113 mg/m3	
alpha-Phellandrene 99-83-2			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
Myrcene 123-35-3			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
Sabinene 3387-41-5			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
Camphene 79-92-5			TWA: 1000 mg/m3 STEL: 1500 mg/m3		
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
alpha-Pinene 80-56-8		TWA: 20 ppm			
para-Cymene 99-87-6					TWA: 25 ppm TWA: 135 mg/m3
beta-Pinene 127-91-3		TWA: 20 ppm			
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland

## MATERIAL SAFETY DATA SHEET

<b>alpha-Pinene</b> 80-56-8				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> Skin STEL: 25 ppm STEL: 140 mg/m <sup>3</sup>	
<b>l-Limonene</b> 5989-54-8				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> Skin STEL: 25 ppm STEL: 140 mg/m <sup>3</sup>	
<b>beta-Pinene</b> 127-91-3				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> Skin STEL: 25 ppm STEL: 140 mg/m <sup>3</sup>	
<b>Myrcene</b> 123-35-3				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> Skin STEL: 25 ppm STEL: 140 mg/m <sup>3</sup>	

### 8.2 Exposure controls

#### Protective Equipment



Process Conditions	No additional data
Engineering Measures	Ensure adequate ventilation. Install emergency showers and Eye wash stations.
Respiratory Equipment	Not usually need if adequate ventilation is provided. Use suitable respiratory equipment in the event of ventilation failure.
Hand Protection	Wear protective gloves made from nitrile rubber.
Eye Protection	Wear safety goggles with side shields.
Other Protection	Wear antistatic footwear.
Hygiene Measures	Good hygiene practices are always recommended especially when handling chemicals, oils or similar substances.
Personal Protection	No additional data
Skin Protection	Wear appropriate protective including e.g. chemical resistant apron or bodysuit.
Environmental Exposure Controls	Prevent this product from entering drains.

# MATERIAL SAFETY DATA SHEET

## 09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Colourless – Pale Yellow
Odour	Characteristic
Relative Density	No additional data
Flash Point (°C)	56
Refractive Index	No additional data
Melting Point (°C)	No additional data
Boiling Point (°C)	No additional data
Vapour Pressure	No additional data
Solubility in Water @20°C	No additional data
Auto-ignition temperature (°C)	No additional data
9.2 Other information	
No additional data	

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data	
10.2 Chemical stability	
This product May be ignited by friction, heat, sparks or flames. It is sensitive to static discharge.	
10.3 Possible hazardous reactions	
None known under normal processing conditions.	
10.4 Conditions to Avoid	
Extreme temperatures, direct sunlight, and potential sources of ignition including open flames and sparks.	
10.5 Incompatible materials	
No additional data	
10.6 Hazardous Decomposition Products	
None known under normal conditions	

## 11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects				
Acute Toxicity				
	Chemical	Oral LD50	Dermal LD50	Inhalation LD50
	Terpinen-4-ol	= 1300 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	
	gamma-Terpinene	= 3650 mg/kg (Rat)		
	alpha-Terpinene	= 1680 mg/kg (Rat)		
	alpha-Pinene	= 3700 mg/kg (Rat)	> 5000 mg/kg (Rat)	



# MATERIAL SAFETY DATA SHEET

	<b>Terpinolene</b>	= 4390 mg/kg (Rat)		
	<b>para-Cymene</b>	= 4750 mg/kg (Rat) = 3669 mg/kg (Rat)		
	<b>Eucalyptol</b>	= 2480 mg/kg (Rat)		
	<b>beta-Pinene</b>	= 4700 mg/kg (Rat)		
	<b>alpha-Phellandrene</b>	= 5700 mg/kg (Rat)		
	<b>Myrcene</b>	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	
	<b>Camphene</b>	> 5 g/kg (Rat)	> 2500 mg/kg (Rabbit)	= 17100 mg/m <sup>3</sup> (Rat) 1 h

The following values are calculated based on chapter 3.1 of the GHS document:

**ATEmix (oral)** 1,900.00 mg/kg

## Unknown acute toxicity

98.276 % of the mixture consists of ingredient(s) of unknown toxicity.

11.205 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

57.617 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

98.276 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

98.276 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

98.276 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

<b>Skin corrosion / irritation</b>	Irritating to skin. May cause an allergic skin reaction
<b>Serious eye damage / irritation</b>	Causes serious eye irritation
<b>Respiratory or skin sensitisation</b>	Harmful if inhaled May cause sensitization by skin contact
<b>Germ Cell Mutagenicity</b>	No additional data
<b>Carcinogenicity</b>	No additional data
<b>Reproductive toxicity</b>	No additional data
<b>STOT-single exposure</b>	No additional data
<b>STOT-repeated exposure</b>	No additional data
<b>Aspiration hazard</b>	May be fatal if swallowed or if enters the airways.
<b>Photo-toxicity</b>	No additional data
<b>Other Information</b>	No additional data

## 12. ECOLOGICAL INFORMATION

### **12.1 Toxicity**

Chemical Name	Crustacea	Algae/Aquatic Plants	Fish
alpha-Pinene	41: 48 h Daphnia magna mg/L LC50		0.28: 96 h Pimephales promelas mg/L LC50 static

# MATERIAL SAFETY DATA SHEET

Eucalyptol			95.4 - 109: 96 h Pimephales promelas mg/L LC50 flow-through
Camphene	22: 48 h Daphnia magna mg/L EC50		0.72: 96 h Brachydanio rerio mg/L LC50 flow-through 150: 96 h Brachydanio rerio mg/L LC50 static

## 12.2 Persistence & degradability

No additional data

## 12.3 Bioaccumulation Potential

No additional data

## 12.4 Mobility in soil

No additional data

## 12.5 Results of PBT and vPvB Assessment

No additional data

## 12.6 Other adverse effects

No additional data

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Always dispose of this product in accordance with local and national regulations.

## 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)

3

### 14.4 Packing group

III

### 14.5 Environmental hazards

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

### 14.6 Special precautions for user

EmS-No - 223, 955

F-E, S-D

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

# MATERIAL SAFETY DATA SHEET

IBC03

## 15. REGULATORY INFORMATION

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

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex

### 15.2 Chemical safety assessment

## 16. OTHER INFORMATION

<b>Hazard Statements in Full</b>	H228 - Flammable solid H302 - Harmful if swallowed H303 - May be harmful if swallowed H304 - May be fatal if swallowed and enters airways H313 - May be harmful in contact with skin H315 - Causes skin irritation H316 - Causes mild skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H320 - Causes eye irritation H400 - Very toxic to aquatic life H401 - Toxic to aquatic life H402 - Harmful to aquatic life H410 - Very toxic to aquatic life with long lasting effects H411 - Toxic to aquatic life with long lasting effects H226 - Flammable liquid and vapor H227 - Combustible liquid
<b>Revision Date</b>	8/8/2019
<b>Rev No</b>	1

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.