The Soap Kitchen (2011) Ltd
Unit 8, Caddsdown 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	Camphor Oil				
Biological Definition	Cinnamomum Camphora Bark Oil is the volatile oil expressed, by steam distillation, from the bark of the Camphor, *Cinnamomum camphora (L.), Lauraceae.*				
INCI Name	Cinnamomum Camphora Bark Oil				
Synonyms & Trade Names	-				
CAS-No	92201-50-8 / 8022-91-1 / 8008-51-3	EC No.	295-980-1 / - / -	EINECS No.	295-980-1 / - / -

1.2 Relative identified uses of the substance or mixture and uses advised against
Suitable for use in cosmetics, fragrances, flavourings and professional applications only.

1.3 Details of the supplier of the safety data sheet
The Soap Kitchen, Unit 8 Caddsdown 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	
The full text for all hazard statements is displayed in section 16.	
Classification (EC 1272/2008)	
Physical hazards:	Flam. Liq. 3 - H226
Health hazards:	Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317, Asp. Tox. 1 - H304
Environmental hazards:	Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
	
Signal Word	Danger.
Contains	Limonene, alpha- Pinene, para-Cymene, p-mentha-1,4-diene, beta-pinene, 7-methyl-3-methyleneocta-1,6-diene, Sabinene, alpha-Terpinolene, alpha-Phellandrene
Hazard Statements	

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	Flammable liquid and vapour.
Adverse effects on human health	May be fatal if swallowed and enters airways. The product is irritating to eyes and skin. May cause an allergic skin reaction.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

33 - 45% 1,8 Cineol
CAS No: 470-82-6 EC No: 207-431-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226
Skin Sens. 1B - H317

8 - 36% Limonene
CAS No: 5989-27-5 EC No: 227-813-5
Classification (EC 1272/2008): M factor (Acute) = 1
M factor (Chronic) = 1
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1- H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H41

4 - 17% alpha- Pinene
CAS No: 80-56-8 EC No: 201-291-9
Classification (EC 1272/2008): M factor (Acute) = 1
M factor (Chronic) = 1
Flam. Liq. 3 - H226
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400,
Aquatic Chronic 1 - H410

1 – 7.0 % para- Cymene
CAS No: 99-87-6 EC No: 202-796-7
Classification (EC 1272/2008): Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Asp. Tox. 1 - H304, STOT SE 3 -H335

0.5 - 10% p-mentha-1,4-diene
CAS No: 99-85-4 EC No: 202-794-6
Classification (EC 1272/2008): Flam. Liq. 3 - H226
Asp. Tox. 1 - H304

0.7 - 9% beta- Pinene
CAS No: 127-91-3 EC No: 204-872-5
Classification (EC 1272/2008): M factor (Acute) = 1
M factor (Chronic) = 1
Flam. Liq. 3 - H226, Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

0.5 - 4% alpha- Phellandrene
CAS No: 99-83-2 EC No: 202-72-5
Classification (EC 1272/2008): Flam. Liq. 3 - H226
Asp. Tox. 1 - H304

0.5 - 8% 7-methyl-3-methyleneocta-1,6-diene (Myrcene) CAS No: 123-35-3 EC No: 204-622-5 Classification (EC 1272/2008): M factor (Acute) = 1 M factor (Chronic) = 1 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
0.1 - 12% Sabinene CAS No: 3387-41-5 EC No: 222-212-4 Classification (EC 1272/2008): Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335 Asp. Tox. 1 H304
0.09 - 5% alpha- Terpinolene CAS No: 586-62-9 EC No: 209-578-0 Classification (EC 1272/2008) M factor (Acute) = 1 M factor (Chronic) = 1 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
0.02 – 3% p-menth-1-en-8-ol CAS No: 98-55-5 EC No: 202-680-6 Classification (EC 1272/2008): Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
0.01 - 3% Terpinene-1-ol-4 0.02 CAS No: 562-74-3 EC No: 209-235-5 Classification (EC 1272/2008): Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 H317 Eye Irrit. 2 - H319 STOT SE 3 H336

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
Ingestion	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Aspiration hazard if swallowed. Do not induce vomiting. Get medical attention immediately.
Skin Contact	Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

Eye Contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media:	Carbon dixoide (CO_2), dry chemical or foam
Unsuitable extinguishing media:	Full water jet.

5.2 Special hazards arising from the product

When heated to decomposition, emits acrid smoke as well as carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Protective actions during fire fighting
Do not inhale explosion and/or combustion gases. Use self contained breathing apparatus.
Special protective equipment for fire fighters
Wear full protective clothing

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental Precautions

Do not discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up.

Absorb with inert, non-combustible, inorganic absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite). Sweep up and remove to an approved disposal container. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. For personal protection, see Section 8. Do not eat, drink or smoke when using this product. Provide eyewash station.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

1, 8 -cineole (CAS: 470-82-6)

DNEL

Workers - Inhalation;	Long term systemic effects: 7.05 mg/m³
Workers - Dermal;	Long term systemic effects: 2 mg/kg, bw/day
General population - Inhalation;	Long term systemic effects: 1.74 mg/m³
General population - Dermal;	Long term systemic effects: 1 bw/day, mg/kg
General population - Oral;	Long term systemic effects: 600 bw/day, mg/kg

PNEC

Fresh water;	Short term 5.7 mg/l
Intermittent release,	Fresh water; 0.57 mg/l
marine water;	Short term 5.7 mg/l
STP;	Short term 10 mg/l
Sediment (Fresh water);	Short term 1.425 mg/kg
Sediment (Marine water);	Short term 0.142 mg/kg
Soil;	Short term 0.25 mg/kg

Alpha- Pinene (CAS: 80-56-8)

DNEL

Workers - Inhalation;	Long term systemic effects: 3.8 mg/m³
Workers - Dermal;	Long term systemic effects: 0.54 mg/kg, bw/day
General population - Inhalation;	Long term systemic effects: 0.67 mg/m³
General population - Dermal;	Long term systemic effects: 0.19 mg/kg, bw/day
General population - Oral;	Long term systemic effects: 0.19 mg/kg, bw/day

PNEC

Fresh water;	Short term 0.606 mg/l
Fresh water,	Intermittent release; 3.03 mg/l
marine water;	Short term 0.061 mg/l
Intermittent release,	marine water; 0.303 mg/l
STP;	Short term 0.2 mg/l
Sediment (Fresh water);	Short term 157 mg/kg
Sediment (Marine water);	Short term 15.7 mg/kg
Soil;	Short term 31.7 mg/kg

Beta- Pinene (CAS: 127-91-3)

DNEL	
Workers - Inhalation;	Long term systemic effects: 5.69 mg/m³
Workers - Dermal;	Long term systemic effects: 0.8 mg/kg, bw/day
General population - Inhalation;	Long term systemic effects: 1 mg/m³
General population - Dermal;	Long term systemic effects: 0.3 bw/day, mg/kg
General population - Oral;	Long term systemic effects: 0.3 mg/kg, bw/day
PNEC	
Fresh water;	Short term 1.004 mg/l
Intermittent release,	Fresh water; 5.02 mg/l
marine water;	Short term 0.1 mg/l
STP;	Short term 3.26 mg/l
Sediment (Fresh water);	Short term 0.337 mg/kg
Sediment (Marine water);	Short term 0.034 mg/kg
Soil;	Short term 0.067 mg/kg

7-methyl-3-methyleneocta-1,6-diene (CAS: 123-35-3)

DNEL Workers - Dermal;	Long term systemic effects: 0.83 mg/kg
Workers - Inhalation;	Long term systemic effects: 5.83 mg/m³
General population - Dermal;	Long term systemic effects: 0.42 mg/kg
General population - Inhalation;	Long term systemic effects: 1.25 mg/m³
PNEC	
STP;	0.2 mg/l
Soil;	1.015 mg/kg
Fresh water;	0.00028 mg/l
marine water;	0.0008 mg/l
Sediment (Fresh water);	5.022 mg/kg
Sediment (Marine water);	0.502 mg/kg

Alpha- Terpinolene (CAS: 586-62-9)

DNEL	
Workers - Inhalation;	Long term systemic effects: 3.6 mg/m³
Workers - Dermal;	Long term systemic effects: 0.52 bw/day, mg/kg
General population - Inhalation;	Long term systemic effects: 0.9 mg/m³
General population - Dermal;	Long term systemic effects: 0.26 bw/day, mg/kg
General population - Oral;	Long term systemic effects: 0.26 bw/day, mg/kg
PNEC	
Fresh water;	Short term 0.634 mg/l
Intermittent release, Fresh water;	Short term 0.634 mg/l
marine water;	Short term 0.063 mg/l
STP;	Short term 0.2 mg/l
Sediment (Fresh water);	Short term 14.7 mg/kg
Sediment (Marine water);	Short term 14.7 mg/kg
Soil;	Short term 29.1 mg/kg

p-menth-1-en-8-ol (CAS: 98-55-5)

PNEC

Fresh water;	Short term 68 mg/l
marine water;	Short term 6.8 mg/l
STP;	Short term 2.6 mg/l
Sediment (Fresh water);	Short term 1.85 mg/kg
Sediment (Marine water);	Short term 0.185 mg/kg
Soil;	Short term 0.329 mg/kg

8.2 Exposure controls

Protective Equipment

Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Wear suitable protective gloves that are resistant to chemical agents.
Eye Protection	Avoid contact with eyes. Wear approved safety goggles.
Other Protection	Use of chemical resistant clothing is recommended.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use of chemical resistant clothing is recommended.
Skin Protection	Wear appropriate protective clothing to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been exposed must be washed thoroughly.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid, colourless.
Colour	Colourless to pale yellow.
Odour	Characteristic.

Relative Density	Approx. 0.890 @ 20°C
Flash Point (°C)	46
Refractive Index	Approx. 1.469 @ 20°C
Melting Point (°C)	< -20
Boiling Point (°C)	155 – 172 @ 1012 hPa.
Vapour Pressure	200 Pa @ 25°C
Solubility in Water @20°C	Slightly soluble in water. 0.1-100 mg/L
Auto-ignition temperature (°C)	REACH dossier information. The auto ignition temperature of the test substance was measured according to EU A.15/DIN 51794 guideline. Three main tests were performed, the relevant parameters were recorded and results ranged between 254 and 255°c. The lowest result, rounded down to 5°c, i.e., 250°c is retained.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Presents no significant reactivity hazards. No reaction known with water.

10.2 Chemical stability

Chemically stable material under the recommended storage and handling conditions.

10.3 Possible hazardous reactions

Not expected under normal conditions of use.

10.4 Conditions to Avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous Decomposition Products

Liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	Not classified (Calculation method).
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.

STOT-repeated exposure	Not classified.
Aspiration hazard	May be harmful if swallowed and enters airways.
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**
	REACH dossier information. Partition coefficient, Log Kow, of the substance Sabinene (CAS 3387-41-5), has been calculated by the model iSafeRat® HA-QSAR toolbox v1.1. Calculation was performed from the input SMILES of Sabinene,, and Sabinene falls inside the Applicability Domain of the model. Therefore, the Log Kow value of Sabinene is 4.64. Sabinene cannot be excluded as potential Bioaccumulative in a PBT context.
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**
	Dispose of waste product or used containers in accordance with local regulations

13. DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**
	Dispose of waste product or used containers in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1	**UN number**	
	UN No. Road	1130
	UN No. SEA	1130
	UN No. AIR	1130
14.2	**UN proper shipping name**	
	CAMPHOR OIL	
14.3	**Transport hazard class(es)**	
	ADR/RID/ADN Class:	3
	IMDG Class:	3
	ICAO Class/Division:	3

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

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

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.

MATERIAL SAFETY DATA SHEET

16. OTHER INFORMATION

Hazard Statements in Full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. 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. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. 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.
Revision Date	22/8/2019
Rev No	5