



The Soap Kitchen (2011) Ltd
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MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier					
Product Name		Lime Distilled Essential Oil			
Biological Definition		No additional data			
INCI Name		Citrus aurantifolia			
Synonyms & Trade Names		-			
CAS-No	8008-26-2	EC No.	90063-52-8	EINECS No.	90063-52-8
1.2 Relative identified uses of the substance or mixture and uses advised against					
Flavouring, Perfuming					
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	
Essential Oil	
Classification (EC 1272/2008)	
Flammable Liquid 2 – H226 Skin Irritant 2 – H315 Skin Sensitivity 1 – H317 Asp. Tox. – H304 Aquatic Chronic – H410	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	

MATERIAL SAFETY DATA SHEET



Signal Word	Danger
Contains	Limonene
Hazard Statements	
Flammable Liquid and Vapour – H226 Causes Skin Irritation – H315 May Cause an Allergic Reaction – H317 May be fatal if swallowed and enters airways – H304 Very Toxic to Aquatic Life with Long Lasting Effects – H410	
Precautionary Statements	
Keep Away from Heat/ Sparks/ Open Flames/ Hot Surfaces/ No Smoking – P210 Use Explosion-proof Electrical/ Ventilation/ Lighting Equipment – P241 Wear Protective Gloves/ Clothing/ Eye Protection/ Face Protection – P280 Avoid Release to the Environment – P273 If Swallowed: Immediately Call a Poison Centre or Doctor/Physician - P301 & P310 If on Skin (Hair) – Remove/ Take Off Immediately all Contaminated Clothing. Rinse Skin with Water/ Shower – P303 & P361 & P353 Don Not Induce Vomiting – P331 Store Locked Up – p405 Dispose of Contents/ Container in Accordance with Local Regulations – P501	
Supplementary Precautionary Statements	
No additional data	
2.3 Other Hazards	
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

3.2 Mixtures

MATERIAL SAFETY DATA SHEET

35 - 75% Limonene

CAS: 5989-27-5 EC: 227-813-5
 Classification: R10 – 38 – 43 – 50/53
 Flam. Liq. 3 – H226
 Skin Irrit. – H315
 Skin Sens. 1 – H317
 Aquatic Chronic 1 – H400
 Aquatic Chronic 1 – H410

0 – 20% Gamma Terpinene

CAS: 99-85-4 EC: 202-794-6
 Classification: R10 - 65
 Flam. Liq. 3 – H226
 Asp. Tox. 1 – H304

0 – 14% Terpinolene

CAS: 586-62-9 EC: 209-578-0
 Classification: R10 – 51/53 – 65
 Asp. Haz. 1 – H304
 Flam. Liq. 3 – H226
 Haz. Acq. 2 – H411

0 – 10% Alpha-Terpineol

CAS: 98-55-5 EC: 202-680-6
 Classification: R38
 Skin Irrit. 2 – H315

0 – 9% Para-Cymene

CAS: 99-87-69 EC: 202-796-7
 Classification: R10 – 51/53 – 65
 Asp. Haz. 1 -H304
 Flam. Liq. 3 – H226
 Haz. Acq. 2 – H411

0 – 8% 1,4, Cineol

CAS: 470-67-7 EC: 207-428-9
 Classification: R10
 Flam. Liq. 3 H226

0 – 3% Beta Bisabolene

CAS: 495-61-4 EC: N/A
 Classification: R38 – 43 – 65
 Asp. Haz. 1 – H304
 Skin Irrit. 2 – H315
 Skin Sens. 1 – H317

0 – 3% Beta Pinene

CAS: 127-91-3 EC: 204-872-5
 Classification: R10 – 43 – 50/53 - 65
 Flam. Liq. 3 – H226
 Skin Irrit. 2 – H315
 Skin Sens. 1 – H317
 Aquatic Chronic 1 – H400
 Aquatic Chronic 1 – H410

MATERIAL SAFETY DATA SHEET

<u>0 – 3% Neryl Acetate</u> CAS: 141-12-8 EC: 205-459-2 Classification: Not classified
<u>0 – 2% Alpha Pinene</u> CAS: 80-56-8 EC: 201-291-9 Classification: R10 – 43 – 50/53 – 65 Flam. Liq. 3 – H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 1 – H410
<u>0 – 2% Citral</u> CAS: 5392-40-5 EC: 226-394-6 Classification: R38 – 43 Skin Irrit. 2 – H315 Skin Sens. 1 – H317
<u>0 – 2% Myrcene</u> CAS: 123-35-3 EC: 204-622-5 Classification: R10 – 65 Flam. Liq. 3 – H226 Asp. Tox. – H304

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove to fresh air immediately. If irritation occurs, seek medical attention.
Ingestion	Do not induce vomiting. Seek medical attention immediately.
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	

MATERIAL SAFETY DATA SHEET

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Carbon Dioxide, Foam. Do not use water jet.
5.2 Special hazards arising from the product
Vapours may form explosive mixture in the air.
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
Use personal protective equipment when working with or in close proximity to the product.
6.2 Environmental Precautions
Do not allow to enter any bodies of water including, drains, canals, underground or surface water.
6.3 Methods and material for containment and cleaning up.
Contain, absorb and collect any spillage with sand. Place in disposal container.
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.
7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated place, keep away from heat and light. Store in dark areas. Do not store in proximity to flammable or explosive materials. Do not store near oxidising agents.
7.3 Specific end use(s)
No additional data

MATERIAL SAFETY DATA SHEET

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring in the workplace: 5989-27-5 (R)-p-mentha-1,8-diene

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data
Engineering Measures	Ensure adequate ventilation. Install eye wash stations.
Respiratory Equipment	Use suitable respiratory equipment in the event of ventilation failure. Suitable respiratory protection: filter class A2 (brown colour)
Hand Protection	Wear protective gloves suitable for handling this product.
Eye Protection	Wear safety goggles with side shields.
Other Protection	No additional data
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 clothing suitable for handling this product.
Environmental Exposure Controls	Prevent this product from entering drains.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
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MATERIAL SAFETY DATA SHEET

Colour	According to Specifications
Odour	Characteristic
Relative Density	No additional data
Flash Point (°C)	46
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	Not miscible
Auto-ignition temperature (°C)	Product is not self-igniting, but in case of unpropitious storing conditions (air admission, heat accumulation) self-ignition is possible for moistened solids (e.g. cloth, pulp, filter panels, binder).
9.2 Other information	
Product is not explosive. However, formation of explosive air/vapour mixtures are possible.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data	
10.2 Chemical stability	
No additional data	
10.3 Possible hazardous reactions	
Formation of explosive gas mixture with air possible. In case of unpropitious storing conditions (air admission, heat accumulation) self-ignition is possible for moistened solids (e.g. cloth, pulp, filter panels, binder)	
10.4 Conditions to Avoid	
Heat.	
10.5 Incompatible materials	
Acids, Oxidising agents.	
10.6 Hazardous Decomposition Products	
Heating causes vaporisation and formation of ignitable atmosphere is possible.	

MATERIAL SAFETY DATA SHEET

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	LD/LC50 values relevant for classification: Cas: 5989-27-5 (R) – p-mentha-1,8-diene LD 50 oral (rat) 4400mg/Kg
Skin corrosion / irritation	Irritant to skin and to mucous membranes.
Serious eye damage / irritation	Irritating effect to eyes.
Respiratory or skin sensitisation	Sensitisation through skin contact.
Germ Cell Mutagenicity	No additional data
Carcinogenicity	No additional data
Reproductive toxicity	No additional data
STOT-single exposure	No additional data
STOT-repeated exposure	No additional data
Aspiration hazard	No additional data
Photo-toxicity	No additional data
Other Information	No additional data

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
	Water hazard class 1 (German regulation) (VwVwS3824, Cas 84929-31-7)
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	
	Very toxic to aquatic organism, may cause long term adverse effects in the aquatic environment.

MATERIAL SAFETY DATA SHEET

Also poisonous for fish and plankton in water bodies. May cause long-term adverse effects in the aquatic environment. Very toxic for aquatic organisms Water hazard class 2 (German regulation) (VwVwS 3822; CAS 84929-38-4): hazardous for water

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
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UN No. SEA	1169
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UN No. AIR	1169
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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

Marine Pollutant

14.6 Special precautions for user

No additional data

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

No additional data

15. REGULATORY INFORMATION

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

National regulations:
Information about limitation of use:
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

MATERIAL SAFETY DATA SHEET

Water hazard class: Water hazard class 2 (German regulation) (VwVwS 3822; CAS 84929-38-4): hazardous for water · Other regulations, limitations and prohibitive regulations Comply with the rules and regulations of skin protection. Comply with the rules and regulations of respiratory protection.

15.2 Chemical safety assessment

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full

H226: Flammable liquid and vapour
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H304: May be fatal if swallowed and enters airways
H410: Very toxic to aquatic life with long lasting effects
P210: Keep away from heat / sparks/ open flames/ hot surfaces/ no smoking
P241: Use explosion-proof electrical/ventilating/lighting equipment
P280: Wear Protective Gloves / protective clothing/ eye protection/ face protection
P273: Avoid release to environment
P301+P310: If swallowed: immediately call a poison centre or doctor/physician
P303+P361+P353: If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331: Do not induce vomiting
P405: Store locked up
P501: Dispose of contents / container in accordance with local regulation
R 10: Flammable
R 38: Irritating to skin
R 43: May cause sensitisation by skin contact
R 50/53: Very toxic to aquatic organism, may cause long term adverse effects in the aquatic environment.
R 65: Harmful: may cause lung damage if swallowed.
S 24: Avoid contact with the skin
S 37: Wear suitable gloves

MATERIAL SAFETY DATA SHEET

	S 61: Avoid release to the environment. Refer to special instructions/ material safety data sheets S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Other Information	No additional data
Revision Date	13/8/2019
Rev No	1

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