



The Soap Kitchen

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name: **Lime Oil, Organic**
Supplier: **The Soap Kitchen Ltd**, Unit 8, Caddsdawn Industrial Park, Bideford. EX39 3DX
Tel: Tel: 01237 420872 (+44 (0)1237 420872)

2 - Hazards identification:

Xn - Harmful; N - Dangerous for the environment

3 - Composition and information on ingredients:

Inci Name: **Citrus Aurantifolia (Lime) Oil**
Chemical composition: Citrus Aurantifolia Oil is the volatile oil distilled from the highly acidic juice-emulsion that results from crushing small sour whole fruits of the West Indian Lime *Citrus aurantifolia*, Rutaceae (Christman) Swingle (sometimes called Mexican type or Key lime).

<u>H-No:</u>	3301.14	<u>CAS No:</u>	8008-26-2
<u>Status:</u>	Natural	<u>CoE No:</u>	141
<u>FEMA:</u>	2631 GRAS	<u>Additives:</u>	None
<u>FDA:</u>	\$182.20	<u>IFRA:</u>	See section 16
<u>RIFM:</u>	Monograph	<u>EC No:</u>	290-010-3
<u>EINECS-CAS No:</u>	90063-52-8	<u>FCCIV:</u>	Official
<u>Application:</u>	Aromatherapy, skin care, flavouring etc		

4 - First aid measures:

Inhalation: Remove from exposure site to fresh air. Check for and remove lenses. Keep at rest. Seek medical advice.
Skin contact: Remove contaminated clothes. Cover Wash with water and soap; cover the irritated skin with emollient – may need to seek medical advice.
Eye contact: Flush with water for at least 15 minutes. Contact a doctor if symptoms persist.
Ingestion: Not to be consumed in any circumstances. Rinse mouth out with water and seek medical advice **immediately**.
Other: When assessing action take into account Risk & Safety Phrases (Section 15)

5 - Fire - Fighting measures:

Extinguishing media: Use CO₂, Dry Powder or Foam type Extinguishers
Spraying recommended: Extinguishing media to base of flames.
Extinguishing media to avoid: Water
Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6 - Accidental release measures:

<u>Personal precautions:</u>	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
<u>Environment precautions:</u>	Keep away from drains, soils, surface & ground waters.
<u>Cleaning up methods:</u>	Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7 - Handling and storage:

<u>Precautions in handling:</u>	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, do not eat, drink or smoke whilst handling. Avoid static discharges.
<u>Storage conditions:</u>	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
<u>Fire protection:</u>	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.
<u>General Handling Precautions:</u>	Handle in accordance with good occupational hygiene and safety

8 - Exposure controls and personal protection:

<u>Respiratory Control:</u>	Where ventilation may be inadequate, wear self-contained breathing apparatus. Avoid breathing product vapour.
<u>Hand / Skin Protection:</u>	Wear impervious gloves – avoid all skin contact.
<u>Eye Protection:</u>	Wear eye protection e.g. safety goggles / glasses.
<u>Work / Hygiene practices:</u>	Wash hands with soap and water after handling

9 - Physical data and chemical properties:

<u>Colour:</u>	Colourless to green/yellow
<u>Appearance:</u>	Mobile liquid
<u>Odour:</u>	Characteristic mouth-watering citrus
<u>Flash point °C:</u>	≈59
<u>Specific gravity @ 20°C:</u>	0.846 - 0.870
<u>Refractive index @ 20°C:</u>	1.470 - 1.485

10 - Stability and Reactivity:

<u>Reactivity:</u>	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
<u>Decomposition:</u>	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11 - Toxicological information:

Lime oil distilled has been found to be non-sensitising (however see section 16), non-irritating and nonphototoxic to human skin: see D.L. J. Opdyke (1974) FCT 12, 729.

12 - Ecological information:

<u>Biodegradability:</u>	Data not available
<u>Precautions:</u>	Prevent surface contamination of soil, ground & surface water.

13 - Disposal considerations:

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14 - Transport information:

<u>UN 1169:</u>	Applies
<u>Road (ADR/RID):</u>	Class 3 Packing Group III
<u>Air (IATA):</u>	Class 3 Packing Group III
<u>Sea (IMDG):</u>	Class 3 Packing Group III
<u>CHIP:</u>	See section 15

15 - Regulatory information:

<u>Hazards:</u>	Harmful, Dangerous to the environment
<u>Symbols:</u>	Xn, N
<u>Risk Phrases:</u>	R10 Flammable R38 Irritating to skin R43 May cause sensitisation by skin contact R50/53 Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed
<u>Safety Phrases:</u>	S24 Avoid contact with skin S37 Wear suitable gloves S61 Avoid release to the environment. Refer to special instructions / safety data sheets S62 If swallowed, do not induce vomiting: seek medical advice immediately

16 - Other information:

Cosmetics Directive 7th Amendment: Restrictions may apply. A source of Citral, Geraniol, Limonene and Linalool, listed as sensitisers. Check maximum usage levels for skin care products.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

SHELF LIFE

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 36 months.

Q.C. REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding it's' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a

contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

Revised: 24.06.2013 AM

