



Bee Beautiful

Lime Essential Oil Material Safety Data Sheet

Product Name

Lime Essential Oil

Supplier

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Composition/Ingredients Information

Definition: the volatile oil obtained by distillation from the fruits of the lime, citrus aurantifolia, Rutaceae.

CAS number: 8008-26-0

H-No: 3301.14

CoE No: 141

FEMA: 2631 GRAS

IFRA: Restricted

FDA: 182.20

INCI: Citrus aurantifolia.

Status: Natural

Additives: None

Application: Aromatherapy, skin care etc.

EINECS number: 290-010-3

Hazard Identification

Observe good housekeeping procedures.
R10 flammable liquid.
Xn, harmful.



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First Aid Measures

Inhalation: Remove to fresh air and seek medical advice.

Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin exposure: Wash thoroughly with soap and water. Contact physician if irritation persists.

Ingestion: Rinse mouth with water and obtain medical attention immediately.

Fire-Fighting Measures

Extinguishing media: Water mist, carbon dioxide, foam or dry powder extinguishers only. Keep away from sources of ignition.

Protective clothing: Fire fighters should wear protective clothing and approved respirator.

Hazards: Avoid inhalation of fumes.

Accidental Release Measures

Personal precautions: Avoid inhalation and direct contact with skin and eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Spillage: Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.

Environmental precautions: Keep away from drains, surface and ground water, and soil.

Handling and Storage

Precautions in handling: Apply good manufacturing practice and industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage conditions: Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light. Keep air contact to a minimum. Avoid plastic uncoated metal containers.

Fire protection: Keep away from ignition sources and naked flames.



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Exposure Control/Personal Protection

Respiratory protection: Avoid breathing concentrated product vapour.

Ventilation: Ensure good ventilation of working area.

Skin protection: Avoid skin contact. Use chemically resistant gloves as needed.

Eye protection: Use safety glasses.

Physical and Chemical Properties

Odour: Characteristic, mouth watering citrus.

Colour: Colourless to pale yellow.

Specific gravity @ 20 deg. C: 0.852 -0.870

Refractive index @ 20 deg. C: 1.472-1.478

Flash point: 59 deg. C.

Stability/Reactivity

Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

Decomposition: Carbon monoxide and unidentified organic compounds may be formed during combustion.

Toxicological Information

Distilled lime oil has been found to be non-sensitising, non-irritating and non-phototoxic to human skin: See DLJ Opdyke (1974) FCT12, 729

Ecological Information

Biodegradability: N/a

Precautions: Prevent contamination of soil, ground and surface water.

Disposal Consideration

Avoid excessive disposing into drainage systems and into the environment. Seek expert advice. Observe specific local regulations.



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Transport Information

UN 1993: applies.

Road (ADR/RID): Class 3 item 31/c RIDNO 301; ADR RN N/2301

Air (IATA/ICAO): Class 3 Packaging group 111

Sea (IMDG): Page 3036-1, Class 3

Regulatory Information according to Directive 88/379/EEC

Classification packaging/labelling (directive 1999/45/EC)

Xn, harmful.

R10 flammable liquid.

R65, harmful if swallowed.

Safety Phrases:

S62 if swallowed do not induce vomiting. Seek medical advice immediately.

S16, keep away from sources of ignition. No smoking.

Other Information

Cosmetic Directive 7th Amendment: restrictions may apply. A source of Citral, Geraniol, Limonene and Linalool, listed as sensitizers. Check maximum usage for skin care products.

Shelf life 36 months maximum.

Packaging: glass, lacquer lined steel/tin, aluminium and F/HDPE.

Allergens

	%
Citral	3.0
Geraniol	0.4
Limonene	50.0
Linalool	0.2

Usage in finished leave on products: 0.001%

Usage in finished rinse off products: 0.01%

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the



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suitability of such information for their own particular use.