



RV INTERNATIONAL

Essential Oils Manufacturer & Bulk Supplier in India

GST NO. 06BGIPG9360E1ZF

Address: Opposite Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.1 — PRODUCT IDENTIFICATION

PRODUCT NAME: LINDEN BLOSSOM ESSENTIAL OIL

BOTANICAL NAME: Tilia europaea / Tilia cordata

SYNONYMS: Lime Blossom Oil, Linden Flower Oil, Tilia Oil, Tilleul Oil

PART OF PLANT USED: Fresh Flowers and Bracts (Tilia europaea / Tilia cordata)

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 90320-54-0

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

Address: Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

Telephone: +91 8937003005

Email: info@rvorganica.com

Website: www.rvorganica.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
LINDEN BLOSSOM ESSENTIAL OIL	90320-54-0	Mild Skin/Eye Irritant; Potential Sensitizer (Linalool, Farnesol, Geraniol)

HAZARDOUS CLASSIFICATION: MILD SKIN AND EYE IRRITANT.

*PERSONAL CARE, COSMETIC, PERFUMERY & AROMATHERAPY PURPOSE — USE AS PER IFRA GUIDELINES.

SECTION 3: HAZARD IDENTIFICATION

The toxicological properties of this material have not been fully investigated.

Eye Contact: May cause mild eye irritation upon direct undiluted contact.

Skin Contact: May cause mild skin irritation in sensitive individuals upon prolonged or repeated undiluted exposure. Contains linalool, farnesol and geraniol — all mild potential sensitizers at higher concentrations.

Inhalation: Generally very well tolerated at normal use levels. High concentrations in enclosed spaces may cause mild headache. Move to fresh air if any irritation occurs.

Ingestion: Rinse out mouth and drink plenty of water. Seek medical attention if large quantities ingested.

SECTION 4: FIRST AID MEASURES

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Eyes: Flush with plenty of water or eyewash solution for at least 15 minutes. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash thoroughly with soap and plenty of water. Seek medical attention if irritation or redness persists.

Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center. Do not induce vomiting.

Inhalation: Move to fresh air immediately. Seek medical attention if any symptoms persist.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >70°C Close Cup

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Unsuitable Media: Water (except to cool containers)

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Toxic vapors may be released upon combustion. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.

Unusual Fire & Explosion Hazards: Not established

Hazardous Decomposition Materials: Carbon monoxide (CO), carbon dioxide (CO₂) and irritating organic vapours may form upon combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid ingestion and skin/eye contact. Follow good industrial hygiene practices. Wear eye protection, chemical-resistant gloves and aprons. Eliminate all ignition sources. Ventilate area well.

Methods for Cleaning Up: Eliminate all sources of ignition. Ventilate area thoroughly. Prevent liquid from entering sewers or waterways.

- Small spills: wipe up with paper rags (place in closed metal waste container)
- Large spills: absorb onto non-flammable absorbent material. Wash area thoroughly with soap and water.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Avoid skin and eye contact with undiluted oil. Always dilute before topical use. Follow good industrial hygiene practices. Use in well-ventilated areas. Keep away from heat, sparks and open flames. Keep containers tightly sealed when not in use to preserve the gentle floral aroma.


Storage Requirements: Store in a cool (below 25°C), dry, dark, well-ventilated place in tightly sealed aluminium or amber glass containers. Protect from direct sunlight and heat. Shelf life: 24 months from manufacture.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION


Threshold Limit Value: Not established


Work Practice Controls: Personal hygiene is an important work practice exposure control measure.

- Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.

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- Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory: Avoid casual breathing of concentrated vapours. Natural ventilation generally sufficient for normal handling.

Ventilation: Local, mechanical exhaust recommended for prolonged handling

Eye: Wear safety glasses or chemical-splash resistant goggles

Skin: Wear chemical resistant gloves (nitrile/neoprene) and protective clothing to avoid undiluted skin contact

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Pale Yellow to Light Golden

Odor: Soft, Sweet, Floral, Honey-like, Fresh Green, Slightly Powdery — Delicate Linden Blossom Scent

Vapor Pressure (mmHg.): Not available

Flash Point: >70°C (Closed Cup)

Boiling Point: Not available

Melting Point: NA

Density @25°C: 0.872

Refractive Index @25°C: 1.462

Solubility in Water: Practically insoluble in water; miscible with alcohol and fixed oils

SECTION 10: STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions. Sensitive to light and heat — store in amber glass or aluminium and reseal tightly after each use to preserve its gentle floral character.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and hot sources of ignition on or near empty containers.

Conditions to Avoid: Avoid contact with sparks, flame, heat and direct sunlight. Prolonged air exposure may oxidise linalool and other sensitive components.

Hazardous Decomposition By-products: Carbon monoxide (CO), carbon dioxide (CO₂) and irritating organic vapours may form during combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION: Contains linalool, farnesol and geraniol which are listed IFRA sensitizers at higher concentrations. Always use within recommended IFRA limits. Patch test advised for leave-on skin care applications.


Irritancy: Mild skin and eye irritation upon direct undiluted contact in sensitive individuals

Sensitization: May cause mild allergic skin reaction in sensitized individuals. Linalool, farnesol and geraniol are mild sensitizers listed under EU cosmetic regulations. Typically very well tolerated at normal fragrance and

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cosmetic use levels.

Health Hazards (Acute & Chronic): Ingestion of large quantities: Harmful. Generally considered one of the safest, gentlest and most well-tolerated floral essential oils at recommended use levels.

Harmful Contact: Mild Irritant

Eye Contact: Mild Irritant

Note: Linden blossom essential oil is celebrated for its exceptionally gentle, calming character in natural perfumery and aromatherapy. Its safety profile is excellent at recommended dilutions. The above cautions apply primarily to undiluted or high-concentration exposure scenarios not typical of finished cosmetic or fragrance products.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: May be mildly harmful to aquatic life. Avoid unnecessary release into the environment.

Persistence: Biodegradable under aerobic conditions.

Bioaccumulation: Low potential for bioaccumulation.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations. Do not dispose via sewage drains. Incinerate in approved facility.

SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 90320-54-0

Hazards: Mild Skin Irritant; Eye Irritant; Potential Sensitizer (Linalool, Farnesol, Geraniol)

Risk Phrases: Mildly irritating to eyes and skin if used undiluted or in excessive amounts. May cause mild sensitization by skin contact via linalool, farnesol and geraniol content. May be mildly harmful to aquatic organisms.

Safety Phrases: Avoid contact with eyes and skin. Always dilute before topical application. Patch test before use in leave-on skin care. In case of contact with eyes, rinse with water and seek medical advice if irritation persists. Store in amber glass or aluminium away from light and heat. Keep out of reach of children.

EU Cosmetics Regulation: Linalool, Farnesol and Geraniol present in this oil are listed allergens under EU Cosmetics Regulation No. 1223/2009 — declare on finished product label if above threshold concentrations (0.001% leave-on / 0.01% rinse-off).


IFRA Compliance: Use in compliance with current IFRA guidelines for respective product category.

REACH: Compliant with EU REACH Regulation (EC) No. 1907/2006.


SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of RV International's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations.

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