



MATERIAL SAFETY DATA SHEET

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NOT HAZARDOUS ACCORDING TO WORKSAFE CRITERIA

SECTION 1 - MATERIAL & SUPPLY COMPANY IDENTIFICATION

Product Name: Linden Blossom Absolute
Botanical Name: *tilia vulgaris (aka tilia cordata)*
Recommended Use: Cosmetics and Aromatherapy.
Supplier: Essentials of Australia P/L
ABN: 22765784206
Address: 5/49 Gateway Drive
Telephone: 61 7 54424559
Fax: 61 7 54490455
Email: essentials@optusnet.com.au

SECTION 2 - PRODUCT COMPOSITION

Component Entity [%w/w]	CAS Number	EINECS Number	Proportions
Tilia vulgaris / tilia cordata	84929-52-2; 68916-81-4	284-536-2	100%

SECTION 3 - HAZARD IDENTIFICATION

3.1 Physical - Chemical Hazards

Explosion: None identified.
Flammable: Combustible liquid, produces oxides of carbon when burning.
Oxidizing: Not applicable.
Toxic: None identified.
Radioactive: Not applicable.
Corrosive: None identified.
Miscellaneous: None identified.

3.2 Environmental Hazards: None identified.

3.3 Health Hazards

Acute Effects: Swallowed: **Maybe** Harmful, May cause abdominal pain
Excessive ingestion can cause gastric distress.
Eye: May be irritating.
Skin: Non irritating or sensitising.
Inhalation: May be harmful.
Chronic Effects: None identified.
Mutagenic Effects: None identified.
Reproductive Effects: None identified.
Carcinogenic Effects: None identified.
Sensitisation: None identified.
Infectious: Not applicable.

SECTION 4 - FIRST AID

4.1 Eye Contact: Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained. Contact a physician immediately.

4.2 Skin Contact: Remove any contaminated clothing and footwear. Clean before re-use. Wash affected areas thoroughly with soap and water for at least 15 minutes. Contact a physician as necessary.

- 4.3 Inhalation:** Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available.
Contact a physician as necessary.
- 4.4 Ingestion:** Do Not induce vomiting.
Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious.
Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness.
Contact a physician or local poison control centre immediately.
If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.
- 4.5 Contact Point:** Poisons Information Centre Sydney [T] 131126
- 4.6 Advice to Doctor:** Treat symptomatically. Note the nature of this product.

SECTION 5 - FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Carbon Dioxide; Dry Chemical; Universal-Type Foam.
- 5.2 Unsuitable Extinguishing Media:** Water Spray; Others not established.
- 5.3 Unusual Firefighting Hazards:** None identified.
- 5.4 Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan.
- 5.5 Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
- 5.6 Combustion Products:** Oxides of carbon.
- 5.7 Contact Point:** Dial 000 Emergency in case of fire [In Australia]
or Local Emergency Authority [Out of Australia].

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
- 6.2 Safety Precautions:** Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;
- 6.3 Environmental Precautions:** Keep away from drains, surface and ground water.
Report spills to appropriate Authorities if required.
- 6.4 Methods For Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

SECTION 7 - SAFE HANDLING AND STORAGE INFORMATION

- 7.1 Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.
- 7.2 Storage:** Not a hazardous material. Not a Scheduled Poison.
Containers should be kept closed in order to minimise contamination.
Store in a cool, dry, well ventilated place protected from light.
Keep from extreme heat and away from ALL sources of ignition.
Make sure the material does not come into contact with substances listed as: "Materials to Avoid", Refer to Section 10.
- 7.3 Unsuitable Packaging Materials:** None established.
- 7.4 Special Procedures:** None established.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1 Respiratory Protection:** None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate.
- 8.2 Ventilation Protection:** Ensure adequate ventilation to keep exposure levels to a minimum.
Local exhaust meeting ACGIH criteria is required.
General exhaust is recommended.
- 8.3 Eye Protection:** Using goggles or face shield is recommended.
- 8.4 Protective Gloves:** Using chemical resistant gloves is recommended.
- 8.5 Protective Clothing:** Using chemical resistant clothing is recommended.
- 8.6 Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area.
- 8.7 Special Engineering Controls:** None established.
- 8.8 Other Personal Protection:** Consult the following Australian Standards for general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**,

Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**,
Occupational Protective Footwear: **AS/NZS 2210**.
These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

8.9 Note:

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

TEST

9.1 Appearance:
9.2 Odour:
9.3 Specific Gravity:
9.4 Refractive Index:
9.5 Optical Rotation:
9.6 pH:
9.7 Solubility:
9.8 Solubility in Water:
9.9 Flash Point:
9.11 Autoignition Temperature:
9.12 Melting Point:
9.13 Boiling Point:
9.14 Vapour Pressure:
9.15 Vapour Density:
9.16 EFFA Listed Sensitisers & IFRA Notifiable Substances. Detection Limit 0.01%.

SPECIFICATION

Pale yellow, oily liquid, with sedimentation
Characteristic, slight to moderate floral. Light spice
0.9666-0.9719 @ 20°C
1.4888 to 1.4944 @ 20°C
Not available
Not available.
Soluble in vegetable oils, alcohol.
Insoluble.
95.9 deg C
Not available.
Not available [°C @ 760 mm].
Not available [°C @ 760 mm].
Not available [mm Hg].
Not available.

CONSTITUENT	IFRA	EFFA	CAS Number	EINECS	Number RANGE
Benzyl alcohol			100-51-6		%
Benzyl benzoate			120-51-4		%
Benzyl cinnamate			103-41-3		%
Benzyl salicylate			118-58-1		3.1%
Cinnamyl alcohol			104-54-1		2.5%
Citronellol			106-22-9		%
Eugenol			97-53-0		2.2%
Farnesol			4602-84-0		7.2%
Geraniol			106-24-1		3.0%
Isoeugenol			97-54-1		%
Limonene			5989-27-5		0.1%
Linalool			78-70-6		8.3%

SECTION 10 - STABILITY AND REACTIVITY

10.1 Stability: Chemically stable, hazardous material.
This material presents no significant reactivity hazard.
10.2 Conditions to Avoid: None established.
10.3 Materials to Avoid: Strong acids, strong alkalis and oxidizing agents.
10.4 Flammability: Flammable liquid.
10.5 Hazardous Polymerization: Will not occur.
10.6 Hazardous Combustion or Decomposition Products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity
LD50 [Oral]: Not tested on animals – So not available.
LD50 [Dermal]: Not tested on animals – So not available.
LC50 [Inhalation]: Not tested on animals – So not available.
11.2 Exposure Limits
There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established.
OSHA TWA: None established.
OSHA STEL: None established.
ACGIH TWA: None established.
ACGIH STEL: None established.
NOHSC TWA: None established.
NOHSC STEL: None established.
11.3 Short Term Toxicity: Not available.
11.4 Long Term Toxicity: Not available.
11.5 Human Exposure Tests: Not available

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Eco-toxicity:	None established. Avoid pollution to soil, rivers and the ocean.
12.2 Mobility:	Low mobility in the soil.
12.3 Persistence & Degradability:	Low persistence level and readily biodegradable.
12.4 Bio-accumulative Potential:	None established.
12.5 Other Adverse Effects:	None established.

SECTION 13 - DISPOSAL CONSIDERATION

13.1 Waste Material:	Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
13.2 Contaminated Packaging:	Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
13.3 Note:	Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well.

SECTION 14 - TRANSPORT INFORMATION

14.1 Transportation:	Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required.
14.2 UN Number:	Not allocated.
14.3 Packaging Group:	Not allocated.
14.4 DG Class:	Not allocated.
14.5 Poison Schedule:	Not Scheduled.
14.6 Hazchem Code:	Not allocated.

SECTION 15 - REGULATORY INFORMATION

15.1 Risk Symbols:	Not allocated.
15.2 Risk Phrases:	Not allocated.
15.3 Safety Phrases:	Not allocated.
15.4 Warning Statements:	Not allocated.
15.5 Safety Directions:	Not allocated.
15.6 Standard Statements:	Not allocated.

SECTION 16 - ADDITIONAL INFORMATION

16.1 Revision Date: Aug 2022

16.2 Disclaimer

This Material Safety Data Sheet was prepared according to:

The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011 (2003)].

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. Escentials of Australia provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Material Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

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