




SAFETY DATA SHEET (SDS)
ORGANIC LEMON MYRTLE
100% ESSENTIAL OIL

1. IDENTIFICATION OF SUBSTANCE & COMPANY

PRODUCT NAME:	ORGANIC LEMON MYRTLE 100% ESSENTIAL OIL
OTHER NAMES:	Lemon Myrtle Oil, Oil of <i>Backhousia citriodora</i>
MANUFACTURER'S CODE:	LMO100-O
PRODUCT USE:	Food Ingredient/Additive / Nutraceuticals/ Cosmetics / Personal Hygiene & Cleaning Applications
SUPPLIER:	Australia Lemon Myrtle Products Pty Ltd Trading As: Australian Native Products 106 The Channon Road, The Channon NSW 2480 Australia + 61 2 6688 6164
EMERGENCY CONTACT:	+ 61 2 6688 6164 Australia Emergency Telephone: 000 (ALL HOURS)

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:	This product is a pale-yellow liquid with floral, note of lemon, odor.
Health Hazards:	May cause skin and eye irritation. Can cause allergic reaction.
Flammability Hazards:	This product is considered a non-flammable liquid with a flash point +91°C.
Reactivity Hazards:	None.
Environmental Hazards:	Release of this product may cause adverse effects in the environment. Hazardous to aquatic environments.
US DOT Symbols:	None
EU and GHS Symbols:	



Signal Word:

GHS07 - Warning!

2.1 EU Labeling and Classification:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council

Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Components Contributing to Classification: All Ingredients in Section 3

2.2 Label Elements:

GHS Hazard Classifications:

Skin Irritation Category 2

Eye Irritation Category 2A

Skin Sensitization Category 1

Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Prevention Statements:

P261 Avoid breathing fumes / gas / mist / vapours / spray.

P264 Wash area affected thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release into the environment

P280 Wear protective glove / eye protection / face protection.

Response Statements:

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364: Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue finishing.

P337+P313: If eye irritation persists: Get medical



Storage Statements:	advice/attention.
Disposal Statements:	None
	P501 Dispose of contents/container in accordance with local regulations.

2.3 Health Hazards or Risks From Exposure:

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with skin and eyes. The symptoms of overexposure are described in the following paragraphs.

Acute:

Inhalation: Not expected with normal use.

Skin Contact: May cause skin irritation. May cause allergic reaction.

Eye Contact: May cause eye irritation.

Ingestion: Not expected with normal use.

Chronic: No data available.

Target Organs:

Acute: Eyes, Skin

Chronic: No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Definition/Botanical Origin:	Obtained by steam distillation from the leaves & twigs of <i>Backhousia citriodora</i>
INCI name:	<i>Backhousia citriodora</i> leaf oil
Status: Natural	Application: Fragrances, Flavours
CAS No: 84775-80-4	COE Number:109 (Cital)
FDA UNII: T7EU0O9VPP (Cital)	FDA (Food): 21 CFR 182.60
FEMA: 2303 (Cital)	IFRA: STD48_0172 (Cital)
FAO/WHO/JECFA: 1225	EINECS: 283-909-7
FCCIV: Official	H-No: 3301.29

3.1 Substances

Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Lemon Myrtle Essential	100%	84775-80-4	283-909-7	Skin Irrit. 2, Eye Irrit. 2A, Skin Sensitization 1
Cital (Geranial + Neral)	50-100%	5392-40-5	226-394-6	Skin Irrit. 2, Eye Irrit 2A, Skin Sensitize 1B
Methylheptenol	1-3%	1569-60-4	216-377-1	Skin Irrit. 2, Eye Irrit 2A, Skin Sensitization 1
Geraniol	1-3%	106-24-1	203-377-1	Skin Irrit. 2, Eye Dam. 1, Skin Sensitization 1



Citronella	0.1-1%	106-23-0	203-376-6	Skin Irrit. 2, Eye Irrit 2, Skin Sensitization 1
Myrcene	0.1-1%	123-35-3	204-622-5	Skin Irrit. 2, Eye Irrit 2
Beta-Caryophyllene	0.1-1%	87-44-5	201-746-1	Asp tox 1, Skin Sensitization 1
Linalool	0.1-1%	78-70-6	201-134-4	Skin Irrit. 2, Eye Dam 2A; Skin Sensitiz 1

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact:	If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Seek medical attention if irritation persists.
Skin Contact:	Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
Inhalation:	If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
Ingestion:	Seek medical assistance if unwell. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated by Exposure: No data available

4.2 Symptoms and Effects Both Acute and Delayed:

Contact with skin, eyes, and respiratory system may cause irritation.

4.3 Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

5. FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray: No
Foam: Yes
Halon: Yes
Carbon Dioxide: Yes
Dry Chemical: Yes
Other: Any "A, B, C" Class



5.2 Unusual Fire and Explosion Hazards:

Do not use a direct water jet on burning material. Water may be ineffective.

Explosive Sensitivity to Mechanical Impact: No

Explosive Sensitivity to Static Discharge: No

Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel.
- Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection. Avoid inhalation and contact with skin and eyes.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.

Large Spills:

- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material.
- Soak up with absorbent material such as clay, sand, or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with local hazardous waste disposal regulations (see Section 13, Disposal Considerations).



7. HANDLING & STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

7.2 Storage and Handling Practices:

Store in a cool, dry location, in a sealed container in a well-ventilated area away from sources of ignition.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Exposure Parameters:

No specific data available for this product.

8.2 Exposure Controls:

Ventilation and Engineering Controls: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas.

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are recommended.

If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian

Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:



Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protection appropriate to task being performed.

If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance (Physical State and Color):	Liquid
Colour:	Pale Yellow
Odour:	Floral, note of lemon
Odour Threshold:	Not Available
pH:	Not Available
Melting/Freezing Point:	Not Available
Boiling Point:	Not Available
Flash Point:	+91°C
Evaporation Rate:	Not Available
Flammability (Solid; Gas):	Not Available
Upper/Lower Flammability or Explosion Limits:	Not Available
Vapor Pressure (mm Hg @ 20°C (68°F):	Not Available
Vapor Density:	Not Available
Relative Density:	0.88 – 0.90
Specific Gravity:	Not Available
Solubility in Water:	Insoluble
Weight per Gallon:	Not Available
Partition Coefficient (n-octanol/water):	Not Available
Auto-Ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Kinematic Viscosity:	Not Available



10. STABILITY & REACTIVITY

10.1 Reactivity:

This product is not reactive.

10.2 Chemical Stability:
storage

Stable under conditions of normal
and use.

10.3 Possibility of Hazardous Reactions:

None known

10.4 Conditions to Avoid:

Do not heat to a high temperature. Do
not expose closed containers to direct
sunlight. Keep away from ignition
sources.

10.5 Incompatible Substances:

No data available

10.6 Hazardous Decomposition Products:

None known

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Oral – LD50 (Rat) - >5000 mg/kg

Dermal – LD50 (Rabbit) - >5000 mg/kg

Suspected Cancer Agent:

Ingredients within this product are not found on
the following lists:

FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA
and therefore are not considered to be, nor
suspected to be, cancer-causing agents by these
agencies.

Irritancy:

Skin and Eyes: Expected to be an irritant.

Sensitization to the Product:

This product is expected to cause skin
sensitization.

Reproductive Toxicity:

No specific information is available concerning
the effects of this product and its components
on the human reproductive system.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

No specific data available on this product.

12.2 Persistence and Degradability:

No specific data available on this product.



- 12.3 Bioaccumulative Potential: No specific data available on this product.
- 12.4 Mobility in Soil: No specific data available on this product.
- 12.5 Results of PBT and vPvB Assessment: No specific data available on this product.
- 12.6 Other Adverse Effects: No data available
- 12.7 Water Endangerment Class: At present, there are no ecotoxicological assessments for this product.

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste Treatment Methods: Waste disposal must be in accordance with appropriate local regulations.
- 13.2 EU Waste Code: Not determined

14. TRANSPORT REGULATIONS.

US DOT, IATA, IMO, ADR:

14.1 U.S. Department of Transportation (DOT) Shipping Regulations:

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

- UN Identification Number: None
- UN Proper Shipping Name: Not Regulated
- Hazard Class Number and Description: None
- Packing Group: None
- DOT Label(s) Required: None
- North American Emergency Response Guidebook Number: None
- RQ Quantity: None

14.2 Environmental Hazards:

Marine Pollutant: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix(B)).

14.3 Special Precaution for User: None known

14.4 International Air Transport Association Shipping Information (IATA):



This product is not considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is not considered as dangerous goods.

14.6 Transport in Bulk According to Annex II of Marpol 73/78 and IBC Code:

European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR:)

This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION. According to Directive 88/379/EEC

15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:

United States Regulations:

U.S. SARA Reporting Requirements:

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act as follows: None

U.S. SARA Threshold Planning Quantity:

There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity:

None

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:

Canadian DSL/NDSL Inventory Status:

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by those regulations.

Canadian WHMIS Classification and Symbols:

This product is classified per WHMIS Hazardous Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives

67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS):	Listed (5392-40-5)
Korean Existing Chemicals List (ECL):	Listed (5392-40-5)
Japanese Existing and New Chemical Substances (ENCS):	Listed (5392-40-5)
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed (5392-40-5)
U.S. TSCA:	Listed (5392-40-5)

PACKAGING

Stainless steel drums preferred

TYPE	SUITABILITY
Glass	Yes
Lacquer lined steel/tin	Moderate
Aluminium	Yes
F/HDPE	Yes

16. OTHER INFORMATION

Acronyms:

ADR: the European Agreement on the Transport of Dangerous Goods by road;

CAS Number: Chemical Abstracts Service Registry Number;



EINECS: The European Inventory of Existing Commercial Substances;

FCC: The Food Chemicals Codex,

FDA: Food & Drug Administration;

FEMA: The Flavour and Extract Manufacturers Association of the United States;

IATA: The International Air Transport Association;

INFRA: Hazchem Number: Emergency action code of numbers and letters that provide information to emergency services especially firefighters;

IMDG: International Maritime Dangerous Goods;

R-Phrase: Risk Phrase;

RID: Regulation concerning the international carriage of dangerous goods by rail;

UN Number: United Nations Number

DISCLAIMER

The information provided in this Safety Data Sheet is meant to represent typical data/analysis for this product. The data was obtained from current and reliable sources. Australia Lemon Myrtle Products Pty Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product. 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. As the ordinary or otherwise use(s) of this product is outside the control of Australia Lemon Myrtle Products Pty Ltd., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Australia Lemon Myrtle Products Pty Ltd expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Australia Lemon Myrtle Products Pty Ltd as to the fitness for any use. The liability of Australia Lemon Myrtle Products Pty Ltd is limited to the value of the goods and does not include any consequential loss. Australia Lemon Myrtle Products Pty Ltd shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Australia Lemon Myrtle Products Pty Ltd shall not be responsible for any damages resulting from use of or reliance upon this information. 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.

Prepared by Australia Lemon Myrtle Products Pty Ltd: September 2003.

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