



## SAFETY DATA SHEET

*Printed on Wednesday, 6 November 2019*

GHS: According to 2015/830/EU

*Code Number*                      *EOLEMO*  
*Version 1 Revised 3/07/2017 11:50:53 AM*

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

Product Name                      LEMON OIL ORGANIC COLD PRESSED  
Code Number                      EOLEMO  
Alternative Name  
REACH Reg No                      Not registered

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Concentrated material for manufacturing purposes only

#### 1.3 Details of the supplier of the safety data sheet

Australian Botanical Products Ltd  
39 Melverton Drive, Hallam  
Victoria, 3803  
Australia  
ABN: 45006782529

Telephone Number                      Tel No. +613 97094800  
Email Address                      info@abp.com.au

#### 1.4 Emergency Tel No    Emergency No. +61 438196124

### Section 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

FL 3                      Flammable liquid, category 3  
AH 1                      Aspiration hazard, category 1  
SCI 2                      Skin corrosion/irritation, category 2  
SS 1                      Skin sensitisation, category 1  
EH A1                      Aquatic hazard, acute, category 1  
EH C1                      Aquatic hazard, chronic, category 1

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## 2.2 Label elements

GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word                      Danger

Hazard Statements

- |      |  |
|------|--|
| H226 | Flammable liquid and vapour                          |
| H304 | May be fatal if swallowed and enters airways         |
| H315 | Causes skin irritation                               |
| H317 | May cause an allergic skin reaction                  |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long lasting effects |

Precautionary Statements

- |           |  |
|-----------|--|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261      | Avoid breathing fumes.   |
| P264      | Wash hands thoroughly after handling   |
| P273      | Avoid release to the environment.  |
| P280      | Wear protective gloves and eye protection  |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTRE.  |
| P302+P352 | IF ON SKIN: Wash with plenty of water.   |
| P331      | Do NOT induce vomiting.  |
| P333+P313 | If skin irritation or rash occurs: Get medical advice.   |
| P362+P364 | Take off all contaminated clothing and wash it before reuse.                                   |
| P403+P235 | Store in a well-ventilated place. Keep cool.   |

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P501 Dispose of contents and container in accordance with local regulation.

## 2.3 Other Hazards

Contains Citral and Limonene which may produce an allergic reaction

No further information available at this time

## Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

### 3.1 Substances

Description LEMON OIL ORGANIC COLD PRESSED

EC/EINECS 284-515-8

CAS Number 84929-31-7

USCAS Number 8008-56-8

### Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene) FL 3;SCI 2;SS 1B;AH 1;EH A1,C1 H226,H304,H315,H317,H400,H410	70.1000
CAS 80-56-8 EINECS 201-291-9 REACH	Pinenes FL 3;ATO 5(3500);SCI 2;SS 1B;AH 1 H226,H303,H304,H315,H317	13.8000
CAS 99-85-4 EINECS 202-794-6 REACH	gamma-Terpinene (p-Mentha-1,4-diene) FL 3;ATO 5(3850);SCI 3;AH 1 H226,H303,H304,H316	9.3000
CAS 5392-40-5 EINECS 226-394-6 REACH	Citral SCI 2;SS 1 H315,H317	2.5000
CAS 123-35-3 EINECS 204-622-5 REACH	beta-Myrcene FL 3;AH 1;SCI 2;EDI 2A H226,H304,H315,H319	1.6000
CAS 87-44-5 EINECS 201-746-1 REACH	Caryophyllene AH 1;SCI 3 H304,H316	0.2000

Refer to section 16 for the wording of listed classification and hazard statement codes

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## Section 4. First Aid measures

Take phrases in sections 2 into account

### 4.1 Description of first aid measures

After inhalation

Remove from the exposure area to fresh air, lay patient on back until breathing returns to normal. Contact a doctor if necessary.

After skin contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

After eye contact

Flush with plenty of water for 15 minutes including under eyelid and seek medical advice if necessary.

After ingestion

Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

No further information available at this time

### 4.3 Indication of immediate medical attention and special treatment needed

No further information available at this time

## Section 5. Fire-fighting measures

### 5.1 Extinguishing Media

Carbon dioxide, foam or dry powder  
DO NOT USE A DIRECT WATER JET.

### 5.2 Special hazards arising from the substance or mixture

May produce Carbon dioxide and unidentified organic compounds.

### 5.3 Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible contain the spill.

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## 6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water

## 6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbant material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group.

## 6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatible material.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

### 7.3 Specific end use(s)

No further information available

## Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No exposure standards have been established for this material by Work safe Australia. However as a matter of course avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe vapour. Sensitive individuals may develop an allergic response.

### 8.2 Exposure controls

#### Engineering controls

Natural ventilation should be sufficient, however where vapours of mists are generated the use of a grounded mechanical exhaust ventilation system is recommended.

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## Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

### Eye/face protection

Use splash-proof safety glasses and face shield where splashing is possible.

### Hand protection

Wear chemically resistant disposable gloves.

### Other skin protection

Wear overalls. Depending on conditions in the workplace, additional body protection should be considered. Always wash routinely before breaks, meals and at the end of the work period.

### Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas

### Thermal hazards

No information

### Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

FLASH POINT (°C)	47
APPEARANCE	Mobile liquid
COLOUR	Pale yellow to greenish-yellow
ODOUR	Very light, fresh, citrus, reminiscent of lemon
ODOUR THRESHOLD	Not available
pH @20 DEG C	Not available
MELTING/FREEZING POINT	-90 deg C
INITIAL BOILING POINT AND RANGE	175 deg C
EVAPORATION RATE	Not available
FLAMMABILITY (SOLID/GAS)	Flammable liquid and vapour

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UPPER/LOWER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE	Not available
VAPOUR DENSITY	Not available
SPECIFIC GRAVITY @ 20 deg C	0.85 to 0.858
SOLUBILITIES	Insoluble in water
PARTITION COEFF N-OCTANAL/WATER	Not available
AUTO-IGNITION TEMPERATURE	237 deg C
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY @ 20 DEG C	Not available
EXPLOSIVE PROPERTIES	Not available
OXIDISING PROPERTIES	Not available

## 9.2 Other information

No further information available

## Section 10. Stability and reactivity

### 10.1 Reactivity

Not determined

### 10.2 Chemical Stability

Stable under the recommended storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions

No hazardous reactions if stored under suitable storage conditions.

### 10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.

### 10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic material.

### 10.6 Hazardous decomposition products

During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

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## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

May be harmful if swallowed.

LD50 oral (rat) - 2840mg/kg

LD50 dermal (rabbit) - >5000mg/kg

#### Skin corrosion / irritation

Causes skin irritation.

#### Serious eye damage / irritation

May irritate eyes.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data

#### Carcinogenicity

No data

#### Reproductive toxicity

No data

#### STO-single exposure

No data

#### STO-repeated exposure

No data

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Information on likely routes of exposure

No data

#### Symptoms related to the physical, chemical and toxicological characteristics

No data

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

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Interactive effects

No data

Other information

No data

## Section 12. Ecological information

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects. Avoid contaminating waterways.

d-Limonene (5989-27-5)

LC50 fish 1 (Lethal) - Pimephales promelas (fathead minnow) – 720µg/L – 96 h

EC50 (GLP) - Daphnia magna – 0.36mg/L – 48 h

Threshold limit 1 (GLP) - Desmodesmus subspicatus (green algae) – 150mg/L – 72 h

### 12.2 Persistence and degradability

No data

### 12.3 Bioaccumulative potential

No data

### 12.4 Mobility in soil

Prevent contamination of soil, ground and surface water.

### 12.5 Results of PBT and vPvB assessment

No data

### 12.6 Other adverse effects

See sections 6, 7, 13 and 15.

## Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

### 13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

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## 14. Transport information

### 14.1 UN number

ADR 1993  
IATA 1993  
IMDG 1993

### 14.2 UN proper shipping name

ADR FLAMMABLE LIQUID, N.O.S.  
IATA FLAMMABLE LIQUID, N.O.S. (Citrus limon)  
IMDG FLAMMABLE LIQUID, N.O.S. (LEMON OIL ORGANIC COLD PRESSED)

### 14.3 Transport hazard class(es)

ADR 3  
IATA 3  
IMDG 3

### 14.4 Packing group

ADR III  
IATA III  
IMDG III

Tunnel Code (D/E)

### 14.5 Environmental Hazards

Dangerous for the environment. Marine pollutant.

### 14.6 Special precautions for user

Road and Rail Transport (Australian Dangerous Goods Code (ADG Code)):  
Hazchem Code: • 3Y

Maritime Transport (International Maritime Dangerous Goods Code (IMDG Code)):  
EmS: F-E, S-E  
Marine Pollutant: Yes

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## Section 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison Schedule: S5 CAUTION

HS Tariff Code: 3301.13.00

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## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

## Section 16. Other information

### Full list of precautionary phrases

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing fumes.
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P362+P364	Take off all contaminated clothing and wash it before reuse.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and container in accordance with local regulation.

### Wording of any hazard classes listed in section 3

FL 3	Flammable liquid, category 3
ATO 5	Acute toxicity, oral, category 5
AH 1	Aspiration hazard, category 1
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3

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SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B
ED1 2A	Eye damage/irritation, category 2A
EH A1	Aquatic hazard, acute, category 1
EH C1	Aquatic hazard, chronic, category 1
Wording of any hazard statements listed in section 3	
H226	Flammable liquid and vapour
H303	May be harmful if swallowed
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## References and further information

Version 1: GHS format, BV 03/07/2017

Authorised by:

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