

SAFETY DATASHEET

Section 1: Product name and Identification

Product Name: Lemon Teatree Oil
Product Code : 014
Trade names and synonyms: Leptospermum petersonii oil
EC-No: 285-372-4
CAS-No EU: 85085-43-4
CAS-No US: n/a
FEMA-No: n/a
REACH No: n/a

1.2 Relevant identified uses of the substances or mixture

Personal Care Formulations, Fragrance industry

1.3 Biological definition:

Leptospermum petersoni Oil is an essential oil obtained from distillation of the leaves of the plant, Leptospermum petersonii, Myrtaceae. Syn. Lemon scented Tea tree oil.

1.4 Details of the supplier of the safety data sheet

Company Name: Golden Grove Naturals Pty Ltd
 Company Address: 176 Munro Wharf Road, Tucki Tucki NSW 2480
 Emergency Telephone Number: Aaron Pollack; Managing Director; +61 416 803 264
 E-mail: aaronpollack@goldengrovenaturals.com

Section 2: Hazard Identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008	Category	
Aspiration toxicity	Category 1	H304
Acute oral toxicity	Category 4	H302
Skin irritation	Category 2	H315
Skin sensitisation	Category 1	H317
Eye irritation	Category 2	H319
Acute aquatic toxicity	Category 1	H400
Chronic aquatic toxicity	Category 1	H411
Flammable liquids	Category 3	H226
Specific target organ toxicity	Single exposure (Category 3), respiratory system	H335

Hazard Statements

H226 - Flammable liquid and vapour

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H316 - Causes mild skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

2.2 Classification according to EU Directives (EC 1272/2008)

Xn: Harmful

Xi: Irritant

FL: Flammable Liquid

N: Dangerous for the environment

R22,R36,R38;R43;R51/53;R65

For the full text of the R-phrases mentioned in this Section, See Section 16

2.3 Label elements (EC 1272/2008):



2.4 Signal word

Danger

2.5 Precautionary statements

P273 - Avoid release to the environment

P270 - Do not eat, drink or smoke when using this product

P301+P312-IF SWALLOWED: Call a POISON centre or doctor/physician if you feel unwell P330-Rinse mouth

P264 - Wash face, hands and any exposed skin thoroughly after handling

P332 + P313 - If skin irritation occurs: Get medical advice/ attention

P362 - Take off contaminated clothing and wash before reuse

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray

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

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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

P321 - Specific treatment (see supplemental first aid instructions on this label)

P363 - Wash contaminated clothing before reuse

P273 - Avoid release to the environment

P301 + P310 - IF SWALLOWED: Immediately call a POISON centre or doctor/ physician

P331 - Do NOT induce vomiting

P405 - Store locked up

P391 - Collect spillage

P501 - Dispose of contents/ container to an approved waste disposal plant

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

Section 3: Composition/Information on ingredients

Chemical name	EC-No	CAS-No	Weight percent	Classification (67/548/EEC)	GHS Classification (EC 1272/2008)	REACH Registration Number
Citral	226-394-6	5392-40-5	45%-65%	Xi; R36/R37/R38 R43	Skin Irrit. 2 (H315) Skin Sen. 1 (H317)	no data available
Citronellal	203-376-6	106-23-0	25%-35%	Xi; R36/R37/R38	Skin Irrit. 2 (H315) STOTSE 3 (H335)	no data available

Citronellol	203-375-0	106-22-9	2%-5%	Xi;N;R36;R38; R43; R51/R53	SkinIrrit. 2 (H315) EyeIrrit.2 (H319) SkinSen. 1 (H317)	no data available
Isopulegol	201-940-6	89-79-2	2%-8%	Xn; R22; R36/R37/R38	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit.2 (H319) STOT. SE. 2 (H335)	no data available
Alpha Phellandrene	202-792-5	99-83-2	2%-5%	Xn; F; R10; R22; R36/R37/R38; R43	Flam Liq. 3 (H226) Acute Tox. 4 (H302)	no data available
					Skin Irrit. 2 (H315) Eye Irrit.2 (H319) Resp.Sens1 (H334) STOT SE 3 (H335)	
Linalool	201-134-4	78-70-6	2%-5%	Xi R36/R37/R38	Skin Irrit. 2 (H315) Eye Irrit.2 (H319) STOT SE 3 (H335)	no data available
Nerol	203-378-7	106-25-2	1%-2%	Xi; R36;R37;R38	Skin Irrit. 2 (H315) Eye Irrit.2 (H319) STOT SE 3 (H335)	
Alpha Terpinene	202-795-1	99-86-5	1%-2%	FL;R10 Xn;R65 Xi;R38 R43 N;R51/53;	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 2	no data available

(H411)

Flam Liq. 3
(H226)

For the full text of the Hazard Statements mentioned in this Section, See Section 16

Section 4: First Aid measures

4.1 Description of First aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Remove affected person from source of contamination.

Eye contact: Wash eyes by normal first aid procedures for at least 15 minutes and consult a physician

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes

Ingestion: Clean mouth with water; call a POISON CENTRE or physician. If swallowed, do not induce vomiting

Inhalation: Inhalation may cause coughing, tightness of chest and irritation of the respiratory system. Remove person to ventilated area and follow normal first aid procedures. Perform artificial respiration if breathing has stopped

Notes to physician: Treat symptomatically

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in labelling see section 2.2 and/or section 11

4.3 Indication of any immediate medical attention and special treatment needed No data available

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substances or mixtures

When heated and in case of fire toxic vapours/gasses may be formed

5.3 Unusual fire and Explosion Hazards

None, material is not pyrophoric, does not react with water, not an oxygen donor, material is shock stable

5.4 Advice for fire-fighters

Cool container exposed to the flame with water fog. Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, water courses or onto the ground.

See Section 12 for additional Ecological Information

6.3 Methods and materials for containment and cleaning up

Small spills can be wiped up with paper rags (placed in closed metal waste container). Large spill: contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Large spills can also be collected with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and placed in metal container for disposal according to local/National regulations (see section 13).

7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation of the working area.

For precautions see section 2.5

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place, keep container tightly closed in a dry and well-ventilated place. Store away from direct sunlight and protect from freezing. Store in stainless steel container, opaque glass container or Fluorinated HDPE container. Stabilizers: Store under a nitrogen blanket if possible.

Air and light sensitive.

Storage class (TRGS 510): Combustible liquids

7.3 Specific end use(s)

Apart from the mentioned in section 1.2 no other specific uses are stipulated

Section 8. Exposure controls/ Personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure control

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Eye protection: Tightly fitting safety goggles

Hand protection: Protective gloves

Skin and body protection: Wear suitable protective clothing and apron

Respiratory protection: In cases of insufficient ventilation wear suitable respiratory equipment, otherwise none under normal use conditions

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls The product should not be allowed to enter drains, water courses or

the soil **Section 9: Physical and chemical properties**

Information on basic physical and chemical properties

a) Appearance	Form: liquid Colour: clear to light yellow
b) Odour	Lemon, floral odour
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	63 °C (closed cup)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	2100 Pa
l) Vapour density	Greater than air
m) Relative density (at 20 °C)	0,898 g/cm ³
n) Water solubility	insoluble
o) Partition coefficient: octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) Specific gravity (@ 20°C)	0.878 – 0.908
v) Refractive Index (@ 20°C)	1.461 – 1.491
w) Optical rotation (@ 20°C)	-3° to +5°

Section 10: Stability and reactivity:

10.1 Reactivity	Material does not react with water. This product is shock-, vibration- and pressure-resistant under normal usage conditions. Exposure to light or heat may cause oxidation.
10.2 Chemical stability	Stable under normal circumstances. No significant change in composition over time if the storage conditions described in paragraph 7.2 are observed.
10.3 Possibility of hazardous reactions:	No data available
10.4 Conditions to avoid	Heat, flames and sparks. Exposure to air or moisture over prolonged periods
10.5 Incompatible materials	Strong oxidising agents, PVC
10.6 Hazardous decomposition products	May produce toxic gases (hydrocarbons, carbon oxide) upon burning

Section 11: Toxicological information

Potential health effects

<i>Inhalation</i>	In high concentrations, vapours may irritate throat and respiratory system and cause coughing
<i>Eye contact</i>	Spray and vapour in the eyes may cause irritation and smarting
<i>Skin contact</i>	BEOA CHIP guidance (1997) gives hazard codes as R22 and R38
<i>Ingestion</i>	No specific health warning noted. No harmful effects expected in amounts likely to be ingested.
<i>Germ cell mutagenicity</i>	None known

Information on toxicological effects Acute toxicity:

LD50 Oral – Rat – 5000mg/kg

LD50 Dermal – Rabbit – 5000mg/kg

Carcinogenicity

No significant effects or critical hazards.

Reproductive toxicity

No significant effects or critical hazards.

Specific target organ toxicity – single exposure

Inhalation May cause respiratory irritation

Specific target organ toxicity – repeated exposure

No data available

Section 12: Ecological information

Toxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Other adverse effects

No data available

Section 13 Disposal considerations**General information**

Small spills can be wiped up with paper rags (placed in closed metal waste container). Large spill: contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Large spills can also be collected with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and placed in metal container for disposal according to local/National regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solution to a licensed disposal company.

Do not discharge into drainage systems or water courses, do not dispose of waste in the environment

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal

Section 14 Transport information**Sea (IMDG)**

Proper shipping name	Extract, aromatic, Liquid
Hazardous class	3
UN/ID No	1169
Packing group	III

Land (ADR)

Proper shipping name	Extract, aromatic, Liquid
Hazardous class	3
UN/ID No	1169
Packing group	III

Air (IATA)

UN/ID No	1169
Proper shipping name	Extract, aromatic, Liquid
Hazardous class	3
Packing group	III

Section 15 Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). APPROVED CODE OF PRACTICE Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

Section 16 Other information:

Abbreviations:

ADR/RID: Agreement on Dangerous Goods by Road/Regulations concerning the Intl Transport of Dangerous Goods by Rail

ATEX : European explosive atmospheres directive

CLP : Classification Labelling Packaging

CMR : Carcinogenic, Mutagenic, Reprotoxic

DNEL : Derived No Effect Level

DSD : Dangerous Substances Directive

IATA-DGR : International Air Transport Association - Dangerous Goods Regulations

ICCT : Ilo Chemical Control Toolkit

ICAO-TI : International Civil Aviation Organization - Technical Instructions

IFRA : International Fragrance Association

IMDG: International Maritime Dangerous Goods

INRS: Institut National de Recherche et de Sécurité

IOFI : International Organization of the Flavor Industry

GC : Gas Chromatography

PBT : Persistent Bioaccumulating Toxicants

PNEC: Predicted No Effect Concentration

RIFM: Research Institute for Fragrance Materials

STOT : Specific Target Organ Toxicity

vPvB : Very Persistent and Very Bioaccumulate substance

Xn: Harmful

Xi: Irritant

N: Substances or preparation that are dangerous for the environment

R10: Flammable

R22: Harmful if Swallowed
R36/37/38: Irritating to Eyes, respiratory system and skin
R43 - May cause sensitisation by skin contact
R65 - Harmful: may cause lung damage if swallowed
FL – Flammable liquid

Risk Combination Phrases

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H303 - May be harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H316 – Causes mild skin irritation
H317 - May cause an allergic skin reaction
H319 – Causes serious eye irritation
H335 - May cause respiratory irritation
H400 – Very toxic to aquatic life
H410 – Very toxic to aquatic life with long lasting effects
H411 – Toxic to aquatic life with long lasting effects

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text