

Printed on 16 Feb 2024

GHS: According to 2015/830/EU

Code Number EOLEMGC

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Section 1. I dentification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name LEMONGRASS OIL COCHIN

Code Number EOLEMGC

Alternative Name INCI Name: Cymbopogon Flexuosus Oil

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 abpsales@ixom.com

1.4 Emergency Tel No Emergency No. +61 1 800 033 111

Section 2. Hazard Identification

2.1 Classification of the substance or mixture

FL 4 Flammable liquid, category 4

SCI 2 Skin corrosion/irritation, category 2
SS 1A Skin sensitisation, category 1A
EDI 1 Eye damage/irritation, category 1
EH C2 Aquatic hazard, chronic, category 2

2.2 Label elements

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

Hazard Pictograms



Signal Word Danger

Hazard Statements

H227 Combustible liquid
H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H411 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.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

P310 Immediately call a POISON CENTRE.

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

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

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents and container in accordance to local

regulations.

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2.3 Other Hazards

Contains Citral, Eugenol, Geraniol, Limonene and Linalool which may produce an allergic reaction

Section 3. Composition / information on ingredients

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

3.1 Substances

Description LEMONGRASS OIL COCHIN

EC/EINECS 295-161-9
CAS Number 91844-92-7
USCAS Number 8007-02-1

Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 141-27-5 EINECS 205-476-5 REACH	Geranial (3,7-Dimethyl-2,6-octadienal) SCI 2; SS 1B; EDI 2A H315,H317,H319	39.9200
CAS 106-26-3 EINECS 203-379-2 REACH	Neral SCI 2; SS 1; EDI 2A H315, H317, H319	32.6000
CAS 106-24-1 EINECS 203-377-1 REACH	Geraniol SCI 2; SS 1; EDI 1 H315, H317, H318	7.9400
CAS 105-87-3 EINECS 203-341-5 REACH	Geranyl acetate SCI 2;SS 1;EH C3 H315,H317,H412	4.0100
CAS 1754-00-3 EINECS - REACH	3,7-Dimethyl-3,6-octadienal SCI 2;SS 1;EDI 2A H315,H317,H319	3.4200
CAS 87-44-5 EINECS 201-746-1 REACH	Caryophyllene AH 1;SS 1B H304,H317	1.9600
CAS 78-70-6 EINECS 201-134-4 REACH	Linalool FL 4;SS 1B H227,H317	1.8700
CAS 110-93-0 EINECS 203-816-7 REACH	6-Methyl-5-hepten-2-one (MHO) FL 3;ATO 5(4100);SCI 3;EH A3 H226,H303,H316,H402	1.7600

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CAS 79-92-5 EINECS 201-234-8 REACH	Camphene FS 2; SCI 3; EDI 2A; EH A1, C1 H228, H316, H319, H400, H410	1.7100
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	1.3700
CAS 106-23-0 EINECS 203-376-6 REACH	Citronellal FL 4;ATO 5(2500);SCI 2;EDI 2A;SS 1;EH A2 H227,H303,H315,H317,H319,H401	0.4000
CAS 1139-30-6 EINECS 214-519-7 REACH	Caryophyllene oxide SCI 2;EDI 2A;EH C2 H315,H319,H411	0.3400
CAS 106-25-2 EINECS 203-378-7 REACH	Nerol ATO 5(4500); EDI 2A; SCI 2; SS 1B; EH A2 H303, H315, H317, H319, H401	0.3300
CAS 80-56-8 EINECS 201-291-9 REACH	Pinenes FL 3;ATO 4;AH 1;SCI 2;SS 1;EH A1,C1 H226,H302,H304,H315,H317,H400,H410	0.3100
CAS 483-76-1 EINECS 866-559-5 REACH	delta-Cadinene AH 1; SCI 2 H304, H315	0.2900
CAS 3338-55-4 EINECS 222-081-3 REACH	Ocimenes (cis-beta-Ocimene) FL 3;AH 1;SCI 3 H226,H304,H316	0.2800
CAS 2867-05-2 EINECS 220-686-7 REACH	alpha-thujene (5-isopropyl-2-methylbicyclo[3.1.0]hex-2-ene) FL 3;ATO 4;AH 1;SCI 2;SS 1;EH C2 H226,H302,H304,H315,H317,H411	0.2300
CAS 141-12-8 EINECS 205-459-2 REACH	Neryl acetate SCI 2;SS 1;EH C3 H315,H317,H412	0.1900
CAS 3779-61-1 EINECS 223-241-5 REACH	(E)-3,7-dimethylocta-1,3,6-triene (trans-beta-ocimene) FL 3;SCI 2;EDI 2A H226,H315,H319	0.1800
CAS 150-84-5 EINECS 205-775-0 REACH	Citronellyl acetate SCI 2;EDI 2A;EH A2,C2 H315,H319,H401,H411	0.1600
CAS 123-35-3 EINECS 204-622-5 REACH	beta-Myrcene FL 3;AH 1;SCI 2;EDI 2A;EH A1,C2 H226,H304,H315,H319,H400,H411	0.1400
CAS 98-55-5 EINECS 202-680-6 REACH	Terpineol (alpha-Terpineol) FL 4;ATO 5(4300);SCI 2;EDI 2A;EH A2 H227,H303,H315,H319,H401	0.1200

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

Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

After inhalation

If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal.

After skin contact

Irritating, may cause an allergic reaction. Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice if irritation persists or there are any signs of tissue damage.

After eye contact

Causes serious damage to eyes. Flush eyes with plenty of water for 15 minutes including under eyelid. Seek medical advice immediately. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

After ingestion

Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately. Never give anything by the mouth to an unconscious patient.

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

 Take phrases in sections 2 and 11 into account. No further information available at this time.
- 4.3 Indication of immediate medical attention and special treatment needed Treat symptomatically.

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 dusts/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.

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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.

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 absorbent 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 dusts/vapours. Sensitive individuals may develop an allergic response.

8.2 Exposure controls

Engineering controls

Natural ventilation should be sufficient, however where dusts/vapours 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.

National Exposure Standards

No exposure standards have been established for this material by Worksafe Australia.

Biological Limit Values

No biological limit allocated.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 88°C

APPEARANCE Mobile liquid

COLOUR Pale yellow to amber

ODOUR Sweet, fresh, grassy-lemon

ODOUR THRESHOLD

PH @20 DEG C

MELTING/FREEZING POINT

Not available

Not available

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INITIAL BOILING POINT AND

RANGE

224°C

EVAPORATION RATE

Not available

FLAMMABILITY (SOLID/GAS)

Not available

UPPER/LOWER FLAMMABILITY

LIMITS

Not available

VAPOUR PRESSURE

Not available

VAPOUR DENSITY

Not available

SPECIFIC GRAVITY @ 20°C

0.885 to 0.907

SOLUBILITIES

Insoluble in water

PARTITION COEFF

N-OCTANAL/WATER

Not available

Not available

AUTO-IGNITION TEMPERATURE
DECOMPOSITION TEMPERATURE

Not available

VISCOSITY @ 20 DEG C

Not available

EXPLOSIVE PROPERTIES
OXIDISING PROPERTIES

Not available

Not available

9.2 Other information

No further information available.

Section 10. Stability and reactivity

10.1 Reactivity

No data.

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.

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10.6 Hazardous decomposition products

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

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not Applicable

Not classified based on available data.

LD50 Oral (rat) - > 5,000 mg/kg

LD50 Dermal (rabbit) - > 5,000 mg/kg

Skin corrosion / irritation

Causes skin irritation.

Serious eye damage / irritation

Causes serious eye damage.

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

No data

Information on likely routes of exposure

No data

Symptoms related to the physical, chemical and toxicological characteristics No data

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

No data

Interactive effects

No data

Other information

No data

Section 12. Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects. Avoid contaminating waterways.

Contains D-Limonene (5989-27-5):

LC50 (96 h) - Pimephales promelas (fathead minnow) - 0.72 mg/L

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

EC50 (72 h) - Raphidocelis subcapitata - 0.32 mg/L

Contains Camphene (CAS: 79-92-5)

LC50 (96 h) - Brachydanio rerio (zebra fish) - 0.72 mg/L

EC50 (48 h) - Daphnia magna - 0.72 mg/L EC50 (72 h) - Pseudokirchneriella subcapitata (algae) - 1.75 mg/L

12.2 Persistence and degradability

No test data available for this substance.

12.3 Bioaccumulative potential

No data

12.4 Mobility in soil

Avoid soil, surface water and water-bearing stratum contamination.

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.

Section 14. Transport information

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14.1 UN number

ADR 3082 IATA 3082 IMDG 3082

14.2 UN proper shipping name

ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS

CAMPHENE & D-LIMONENE)

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS

CAMPHENE & D-LIMONENE)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS

CAMPHENE & D-LIMONENE)

14.3 Transport hazard class(es)

ADR 9
IATA 9
IMDG 9

14.4 Packing group

ADR III
IATA III
IMDG III
Tunnel Code (-)

14.5 Environmental Hazards

Dangerous for the environment. Marine pollutant.

14.6 Special precautions for user

Maritime Transport (International Maritime Dangerous Goods Code (IMDG Code)):

EmS: F-A, S-F

Marine Pollutant: Yes

Road and Rail Transport (Australian Dangerous Goods Code (ADG Code)):

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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

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Section 15. Regulatory information

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

Poison Schedule (SUSMP): S5 CAUTION HS Tariff Code: 3301.29.00

This material is listed on the Australian Inventory of Industrial Chemicals (AIIC).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

Section 16. Other information

FL 3 FL 4

FS 2

ATO 4

Full list of precautionary phrases

Full list of precaution	onary phrases
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
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
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents and container in accordance to local regulations.
Wording of any haz	ard classes listed in section 3

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Flammable liquid, category 3

Flammable liquid, category 4

Flammable solid, category 2

Acute toxicity, oral, category 4

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N/A = Not applicable

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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	
SS 1	Skin sensitisation, category 1	
SS 1B	Skin sensitisation, category 1B	
EDI 1	Eye damage/irritation, category 1	
EDI 2A	Eye damage/irritation, category 2A	
EH A1	Aquatic hazard, acute, category 1	
EH A2	Aquatic hazard, acute, category 2	
EH A3	Aquatic hazard, acute, category 3	
EH C1	Aquatic hazard, chronic, category 1	
EH C2	Aquatic hazard, chronic, category 2	
EH C3	Aquatic hazard, chronic, category 3	
Wording of ar	ny hazard statements listed in section 3	
H226	Flammable liquid and vapour	
H227	Combustible liquid	
H228	Flammable solid	
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	
H318	Causes serious eye damage	
H319	Causes serious eye irritation	
H400	Very toxic to aquatic life	
H401	Toxic to aquatic life	
H402	Harmful to aquatic life	
H410	Very toxic to aquatic life with long lasting effects	
H411	Toxic to aquatic life with long lasting effects	
H412	Harmful to aquatic life with long lasting effects	
References ar	nd further information	

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SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons

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AIIC = Australian Inventory of Industrial Chemicals
AICIS = Australian Industrial Chemicals Introduction Scheme

Version 1: GHS format, BV 02/02/2017 Version 2: Minor changes, BV 02/04/2019

Version 3: Mandatory revision, RB 16/02/2024