



LEMONGRASS ESSENTIAL OIL SAFETY DATA SHEET

SECTION 1: MATERIAL & SUPPLY COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: Lemongrass Essential Oil (Cochin)
Biological: Cymbopogon Flexuosus Oil is the volatile oil obtained from the dried
Definition: Lemon Grass, Cymbopogon flexuosus, Poaceae.
INCI Name.: Cymbopogon Flexuosus Oil, Lemon Grass Oil; Indian Verbena Oil; Indian Melissa Oil
CAS#: 91844-92-7
EINECS 295-161-9

1.2 Relevant identified uses of the substance or mixture

No additional data available.

1.3 Supplier Details

Supplier: Heirloom Body Care Pty Ltd
Address: Unit 9, 28 Coombes Drive Penrith NSW 2750 Australia
Telephone: 02 4722 2123
Fax 02 4722 2904

1.4 Information in case of emergency

Poisons Information 13 11 26
Centre

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance / preparation

The full text for all hazard statements are displayed in Section 16.

Physical and Chemical Hazards: Not classified.

Human health Asp: Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Skin Sens. 1 - H317

Environment: Aquatic Chronic 2 - H411

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS07

GHS09

GHS05



Signal Word: **Danger**

Contains: **Citral, Geraniol.**

Hazard Statements:

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

- P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary Precautionary Statements

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
P310 Immediately call a POISON CENTER or doctor/physician.
P332+313 If skin irritation occurs: Get medical advice/attention.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P321 Specific treatment (see medical advice on this label).
P501 Dispose of contents/container in compliance with all local and national regulations.

2.3 Other Hazards

No additional data available.

SECTION 3: PRODUCT COMPOSITION

3.1 Chemical Identification:

3.2 Mixtures

70.0 – 78.0% CITRAL CAS-No.: 5392-40-5 EC No.: 226-394-6
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

4.0 – 6.0% Geraniol CAS-No.: 106-24-1 EC No.: 203-377-1
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Dam. 1 - H318, Skin Sens. 1 - H317

1.0 – 2.5% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5 Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

SECTION 4: FIRST AID

4.1 Description of first aid measures

Inhalation:	- Remove victim immediately from source of exposure. - Rinse nose and mouth with water. - Get medical attention if any discomfort continues.
Ingestion:	- Do not induce vomiting. - Ingestion may cause nausea and vomiting. - Immediately rinse mouth and provide fresh air. - Get medical attention if symptoms persist.
Skin Contact:	- Remove contaminated clothing immediately and wash skin with soap and water. - Get medical advice/attention if any discomfort continues
Eye Contact:	- Immediately flush with plenty of water for up to 15 minutes. - Remove any contact lenses and open eyes wide apart. - Get medical attention immediately. - Continue to rinse.



4.2 Most important symptoms and effects, both acute and delayed

No additional data available

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing agents:

Carbon Dioxide. Dry Chemical Powder.

5.2 Special hazards arising from the substance or mixture

When heated and in case of fire, irritating vapours/gases may be formed.

5.3 Advice for firefighters

Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment. Do not allow spillage into drains or waterways. Water spray should be used to cool containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from food and drink When using do not smoke. Avoid contact with skin and eyes. Handle in accordance with good hygiene and safety practice. Ensure adequate ventilation of the working area.

7.2 Conditions for storage

Keep product in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light. Stock according to local / national regulations and always follow the precautions indicated on labels.

7.3 Specific end use(s)

No additional data available

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Linalool (CAS: 78-70-6) Ingredient Comments: No exposure limits noted for ingredient(s).



EUGENOL (CAS: 97-53-0) Ingredient Comments: WEL = Workplace Exposure Limits

8.2 Exposure Controls

Protective Equipment



Process conditions:	Provide eyewash station.
Engineering measures:	Provide adequate ventilation
Respiratory equipment:	For high concentrations use respiratory equipment.
Hand Protection	Wear chemical resistant gloves (PVC) to avoid skin contact.
Eye Protection:	Wear approved safety goggles.
Other protection:	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. .
Personal Protection:	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance	Liquid
Colour	Yellowish to yellow/orange
Odour:	Sweet, lemon like
Relative density at 20°C:	0.880 – 0.905 @ 20°C
Flash point (°C):	71.0 - 85.0
Refractive Index	1.482 - 1.490 @ 20°C
Melting point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapour pressure:	0.05 mmHg.
Solubility in water (g/litre @ 20 °C):	1:10 v/v Ethanol 90%
Auto ignition T°C:	No additional data available.

9.2 Other Information

No additional data available

SECTION 10: STABILITY AND REACTIVITY



10.1 Reactivity

Stable under the recommended handling and storage conditions.

10.2 Chemical Stability

Stable under the recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No additional data available.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Avoid strong acids, alkalis and oxidising agents.

10.6 Hazardous decomposition products

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	Toxic Dose 1 - LD 50 4400 mg/kg (oral rat) Toxic Dose 2 - LD 50 >2000
Skin corrosion / irritation	May cause sensitisation by skin contact.
Serious eye damage / irritation	Spray and vapour in the eyes may cause irritation and smarting.
Respiratory or skin sensitisation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other information	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.



SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment. No additional data available.

12.2 Persistence and degradability

No additional data available.

12.3 Bioaccumulative potential

No additional data available.

12.4 Mobility in soil

No additional data available.

12.5 Results of PBT and vPvB Assessment

No additional data available.

12.6 Other adverse effects

Do not discharge into the environment especially not into waterways, sewers and the sea.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment methods

General information:

Do not re-use empty containers. Empty residue into a suitable disposal site.

Dispose of in compliance with all local and national regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

UN No. Road 3082

UN No. SEA 3082

UN No. AIR 3082

14.2 UN Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 9 Miscellaneous dangerous substances and articles.

IMDG Class: 9 Miscellaneous dangerous substances and articles.

ICAO Class/Division: 9 Miscellaneous dangerous substances and articles.



Transport Labels



14.4 Packaging group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.



14.6 Special precautions for user

EMS F-A-S-F

Emergency Action Code 3Z

Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances. Tunnel Restriction Code (E)

14.7 Transport in bulk according to AnnexII of MARPOL73/78 and the IBC code

No additional data available.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

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.

15.2 Chemical safety assessment

No additional information available

SECTION 16: OTHER INFORMATION

Hazard and/or Precautionary Statements in Full



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.

Other Information

None

Revision Date

23/9/2020

Disclaimer: This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated, However no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy themselves as to the suitability of such information for their own particular use