



MATERIAL SAFETY DATA SHEET

According to EU Regulation 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING)

1.1 PRODUCT IDENTIFIER

Product Name	Lemongrass Essential Oil
Biological Definition	Cymbopogon Flexuosus Oil is the volatile oil obtained from the dried Lemon Grass, Cymbopogon Flexuosus, Poaceae
INCI Name	Cymbopogon Flexuosus Oil
Synonyms & Trade Names	-
Internal Product Code	TCDL-CESS-BOWL-NLGR
CAS Number	91844-92-7
EC Number	295-161-9
EINECS Number	295-161-9
REACH Status	Fully Registered 01-2120119366-58-XXXX

1.2 DETAILS OF THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET

Company	Cosy Owl Volsom Ltd 20-28 Albert Road, Braintree, Essex, United Kingdom, CM7 3JQ
Emergency Telephone Number	01376 560 348



SECTION 2: HAZARD IDENTIFICATION





2.1 CLASSIFICATION OF THE SUBSTANCES OR MIXTURE

The Full Text for all Hazard Statements are Displayed in Section 16.

Classification (EU 1272/2008)	Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411
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2.2 LABEL ELEMENTS

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:	    <p>GHS09 GHS07 GHS05 GHS08</p>
Signal word:	Danger
Contains	Citral, Geraniol
Hazard Statements:	H304 - May be fatal if swallowed and enters airways. 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+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements:	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents/container to ...
2.3 OTHER HAZARDS	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURE

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 MEASURES

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 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. BOTH ACUTE AND DELAYED.

No information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED

No additional data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Extinguishing media: Carbon dioxide (CO₂). Dry chemical powder.

5.2 SPECIAL HAZARDS ARISING FROM THE PRODUCT

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

5.3 ADVICE FOR FIRE FIGHTERS

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 MATERIAL FOR CONTAMINATED 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 REFERENCES TO OTHER SECTIONS

See sections 8 and 13.


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 SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
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 / PERSONAL PROTECTION

8.1 CONTROL PERAMETERS
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 to avoid skin contact.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



9.1 INFORMATION ON BASIS PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid
Colour	Bright yellow to brownish
Odour	Characteristic – Citral, fresh, intense
Specific Gravity @ 20°C/25°C	0.869 – 0.913
Refractive Index @ 20°C/25°C	1.460 – 1.496
Flash Point (°C)	>65°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	0.05 mmHg.
Solubility in Water @20°C	1:10 v/v Ethanol 90%
Auto-ignition temperature (°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 POSSIBLE HAZARD 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: TOXOLOGICAL 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.

12.2 PERSISTENCE AND DEGRADABILITY

No additional data available.

12.3 BIOACCUMULATION 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 allow product to enter streams, sewers or other waterways.

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	UN3082
UN No. Sea	UN3082
UN No. Air	UN3082

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.

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 ANNEX II OF MARPOL73/78 AND THE IBC CODE

No additional data available

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENT 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

None

Other Information

Complies with REACH guidance for SDS as circulated by ECHA 2011.

Version

4

Revision Date

24th April 2020

Reason for Revision

Flash Point

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 user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.