



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: **Lemongrass Essential Oil**

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

PRODUCT NUMBER: **28**

CAS NUMBER: 91844-92-7

EC NUMBER: 295-161-9

EINECS NUMBER: 295-161-9

INCI: Cymbopogon Flexuosus Oil

IDENTIFIED USES: Suitable for use in cosmetics, fragrances, flavourings and professional applications.

BIOLOGICAL DEFINITION: Cymbopogon Flexuosus Oil is the volatile oil obtained from the dried Lemon Grass, Cymbopogon flexuosus, Poaceae.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008

PHYSICAL AND CHEMICAL HAZARDS:	Not classified
HEALTH HAZARDS:	Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1B - H317
ENVIRONMENTAL HAZARDS:	Aquatic Chronic 2, H411

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:	DANGER
CONTAINS:	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	<p>P261: Avoid breathing vapour/spray.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P302+352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310: Immediately call a POISON CENTER or doctor/physician.</p> <p>P331: Do NOT induce vomiting.</p> <p>P333+313: If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P391: Collect spillage.</p> <p>P501: Dispose of contents in accordance with local, state or national legislation.</p>
SUPPLEMENTARY PRECAUTIONARY STATEMENTS:	P264: Wash contaminated skin thoroughly after handling
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

3: COMPOSITION/INFORMATION ON INGREDIENTS

≤82.0% Citral	
CAS NUMBER: 5392-40-5	EC NUMBER: 226-394-6
CLASSIFICATION:	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Irrit. 2 - H319
≤8.0% Geraniol	
CAS NUMBER: 106-24-1	EC NUMBER: 203-377-1
CLASSIFICATION:	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Dam. 1 - H318
≤8.0% Limonene	
CAS NUMBER: 106-24-1	EC NUMBER: 203-377-1
CLASSIFICATION:	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Dam. 1 - H318
≤2.0% Linalool	
CAS NUMBER: 78-70-6	EC NUMBER: 201-134-4
CLASSIFICATION:	Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Eye Irrit. 2 - H319

< 2.0% Alpha Pinene

CAS NUMBER: 80-56-8

CLASSIFICATION:

EC NUMBER: 201-291-9

Flam. Liq. 3 - H226

Acute Tox. 4 - H302

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

≤2.0% Myrcene

CAS NUMBER: 123-35-3

CLASSIFICATION:

EC NUMBER: 204-622-5

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

4: FIRST AID MEASURES

INHALATION:

Remove from exposure area to fresh air. Get medical advice/attention.

INGESTION:

Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.

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 advice/attention. Continue to rinse.

MOST IMPORTANT SYMPTOMS AND EFFECTS,
BOTH ACUTE AND DELAYED:

No additional data available

INDICATION OF ANY IMMEDIATE MEDICAL

ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:

Use as appropriate: Carbon dioxide (CO₂), dry chemical.SPECIAL HAZARDS ARISING FROM THE
PRODUCT:

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

ADVICE FOR FIREFIGHTERS:

Avoid inhalation of generated fumes or vapours. Wear self-contained breathing apparatus and appropriate protective clothing.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE
EQUIPMENT AND EMERGENCY PROCEDURES:

ENVIRONMENT PRECAUTIONS:
METHODS AND MATERIAL FOR CONTAINMENT
AND CLEANING UP:

REFERENCES TO OTHER SECTIONS

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.

Do not discharge into drains, water courses or onto the ground. Absorb with liquid binding material e.g. sand, diatomaceous earth. Collect in closed and suitable containers for disposal. Prevent any material from entering drains or waterways. Wash spill site after removal with a detergent.

See sections 4, 7, 8 & 13.

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

CONDITIONS FOR SAFE STORAGE, INCLUDING
ANY INCOMPATIBILITIES:

SPECIFIC END USE(S):

Avoid contact with skin, eyes and clothing. Avoid breathing vapours.

Store in tightly closed, original container in a dry, cool and well-ventilated area, away from potential sources of ignition and protected from light.

No additional data available.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:
ENGINEERING MEASURES:
RESPIRATORY EQUIPMENT:

HAND PROTECTION:

EYE PROTECTION:

OTHER PROTECTION:

HYGIENE MEASURES:

PERSONAL PROTECTION:

SKIN PROTECTION:

ENVIRONMENTAL EXPOSURE CONTROLS:

Provide eyewash station.

Provide adequate ventilation.

Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.

Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Avoid contact with eyes. Wear safety goggles in accordance with standard EN166.

Wear appropriate clothing to prevent any possibility of skin contact.

Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Use of chemical resistant clothing is recommended when handling.

Wear apron or protective clothing to avoid skin contact.

Avoid discharging into drainage water. Only eliminate by authorised companies.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid
COLOUR:	Bright yellow.
ODOUR:	Characteristic – Citral, fresh, intense
RELATIVE DENSITY:	Approx. 0.899 @ 20°C
FLASH POINT (°C):	71.0 - 85.0
REFRACTIVE INDEX:	Approx. 1.485 @ 20°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.

10: STABILITY AND REACTIVITY

REACTIVITY:	Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.
CHEMICAL STABILITY	Stable under the recommended handling and storage conditions.
POSSIBLE HAZARDOUS REACTIONS	No additional data available
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS	Materials to Avoid: Strong acids, alkali or oxidising agents
HAZARDOUS DECOMPOSITION PRODUCTS:	In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:	Not classified.
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:	Not classified.
CARCINOGENICITY:	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
STOT-SINGLE EXPOSURE:	Not classified.
STOT-REPEATED EXPOSURE:	Not classified.
ASPIRATION HAZARD:	May be fatal if swallowed and enters airways.
PHOTO-TOXICITY:	No additional data available.
OTHER INFORMATION:	No additional data available.

12: ECOLOGICAL INFORMATION

TOXICITY:	Toxic to aquatic life with long lasting effects
PERSISTENCE AND DEGRADABILITY:	No additional data available.
BIOACCUMULATIVE POTENTIAL:	No additional data available.
MOBILITY IN SOIL:	No additional data available.
RESULTS OF PBT AND vPvB ASSESSMENT:	No additional data available.
OTHER ADVERSE EFFECTS:	Do not allow product to enter streams, sewers or other waterways.

13: DISPOSAL CONSIDERATIONS

GENERAL INFORMATION:

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

DISPOSAL METHODS

Dispose of in compliance with all local and national regulations

14: TRANSPORT INFORMATION

UN No. ROAD/SEA/AIR:

UN3082

PROPER SHIPPING NAME:

Environmentally Hazardous Liquid (N.O.S)

TRANSPORT HAZARD CLASS(ES):

- ADR/RID/ADN
- ADR/RID/AND

Class 9

Class 9: Miscellaneous dangerous substances and articles

- IMDG
- ICAO

Class 9

Class/Division 9



PACKING GROUP:

- ADR/RID/AND PACKING GROUP:
- IMDG PACKING GROUP
- ICAO PACKING GROUP

III

III

III

ENVIRONMENTAL HAZARDS:

Environmental Hazardous Substance/Marine Pollutant.



SPECIAL PRECAUTIONS FOR USER:

- EMS
- EMERGENCY ACTION CODE
- HAZARD No. (ADR)

F-A-S-F

3Z

90 Environmentally hazardous substance; miscellaneous dangerous substances.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:

No additional data available

15: REGULATORY INFORMATION

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.



Essential Oils, Skincare & Aromatherapy Products

16: OTHER INFORMATION

HAZARD AND/OR PRECAUTIONARY STATEMENTS IN FULL

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.
H318: Causes serious eye damage.
H319: Causes serious eye 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.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 12 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.