



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

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

PRODUCT NAME: Citronella Essential Oil

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

PRODUCT NUMBER: 11

CAS NUMBER: 91771-61-8

EC NUMBER: 294-954-7

INCI: Cymbopogon Winterianus Herb Oil.

BIOLOGICAL DEFINITION: Cymbopogon Winterianus Herb Oil is an essential oil obtained from the herbs of the plant, Cymbopogon winterianus, Gramineae.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 91771-61-8

EC: 294-954-7

CLASSIFICATION (EC 1272/2008):

- | | |
|--------------------------|--|
| - PHYSICAL HAZARDS: | Not classified. |
| - HEALTH HAZARDS: | Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1 - H317 |
| - ENVIRONMENTAL HAZARDS: | Aquatic Acute 2 - H401
Aquatic Chronic 2 - H411 |

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P262 Do not get in eyes, on skin, or on clothing.
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.
P264 Wash ... thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see ... on this label).
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.
P501 Dispose of contents/container to ...

CONTAINS: Citronellal, Citronellol, EUGENOL, Geranial, GERANIOL, Limonene

3: COMPOSITION/INFORMATION ON INGREDIENTS

30-60% Citronellal

CAS NUMBER: 106-23-0 EC NUMBER: 203-376-6
CLASSIFICATION (EC 1272/2008): Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Aquatic Chronic 2 - H411

≤ 35.0% Citronellol

CAS NUMBER: 106-22-9 EC NUMBER: 203-375-0
CLASSIFICATION (EC 1272/2008): Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

1-5% Citronellyl Acetate

CAS NUMBER: 150-84-5 EC NUMBER: 205-775-0
CLASSIFICATION (EC 1272/2008): Skin Irrit. 2 - H315
Aquatic Chronic 2 - H411

1-5% EUGENOL

CAS NUMBER: 97-53-0 EC NUMBER: 205-775-0
CLASSIFICATION (EC 1272/2008): Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

≤ 1.0% Farnesol

CAS NUMBER: 4602-84-0 EC NUMBER: 225-004-1
CLASSIFICATION (EC 1272/2008): Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

≤ 0.7% Geranial

CAS NUMBER: 141-27-5 EC NUMBER: 205-476-5
CLASSIFICATION (EC 1272/2008): Skin Irrit. 2 - H315
Skin Sens. 1 - H317

10-30% GERANIOL

CAS NUMBER: 106-24-1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 203-377-1

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Skin Sens. 1 - H317

1-5% Geranyl Acetate

CAS NUMBER: 105-87-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 203-341-5

Aquatic Chronic 2 - H411

1-10% Limonene

CAS NUMBER: 5989-27-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 227-813-5

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION:

Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting.

SKIN CONTACT:

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT:

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:

Carbon dioxide (CO₂). Dry Chemical Powder. Foam.

SPECIAL HAZARDS ARISING FROM THE PRODUCT:

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

ADVICE FOR FIREFIGHTERS:

- SPECIAL FIRE FIGHTING PROCEDURES:

Water spray should be used to cool containers.

- PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Wear full protective clothing.

Wear suitable respiratory equipment when necessary.

6: ACCIDENTAL RELEASE MEASURES

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.

ENVIRONMENT PRECAUTIONS:

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

CLEANING UP METHODS FOR SPILLAGES:

Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

REFERENCE TO OTHER SECTIONS:

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

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Observe good chemical hygiene practices. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS:

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



PROCESS CONDITIONS:

Provide eyewash station.

ENGINEERING MEASURES:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT;

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION:

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION:

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES:

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

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.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear liquid
COLOUR:	Pale yellow to brownish yellow.
ODOUR:	Characteristic - reminiscent of citronellal.
RELATIVE DENSITY:	Approx. 0.900 @ 20°C
FLASH POINT (°C):	75.0
REFRACTIVE INDEX:	Approx. 1.470 @ 20°C
MELTING POINT (°C):	No additional data available.
BOILING POINT (°C):	220.0 - 225.0
VAPOUR PRESSURE:	0.8mm Hg 25c
SOLUBILITY IN WATER @20°C:	1:2 on Ethanol 80c
AUTO-IGNITION TEMPERATURE (°C):	No additional data available.

10: STABILITY AND REACTIVITY

REACTIVITY:	Stable under the recommended temperature, handling and storage conditions.
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:	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

ACUTE TOXICITY:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
SKIN CORROSION / IRRITATION:	May cause discomfort if swallowed. 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:	No additional data available.

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	We have no data regarding ecotoxicity, but it must be considered that this product may be dangerous for the environment.
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.
PRECAUTIONS:	Do not allow product to enter streams, sewers or other waterways.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of in compliance with all local and national regulations.
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14: TRANSPORT INFORMATION

UN No. ROAD:	3082
UN No. SEA:	3082
UN No. AIR:	3082
PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

TRANSPORT HAZARD CLASS(ES):

- | | |
|----------------------|--|
| - ADR/RID/ADN CLASS: | 9 Miscellaneous dangerous substances and articles. |
| - IMDG CLASS: | 9 |
| - ICAO CLASS: | 9 |



PACKING GROUP:

- | | |
|------------------------------|-----|
| - ADR/RID/ADN PACKING GROUP: | III |
| - IMDG PACKING GROUP: | III |
| - ICAO PACKING GROUP: | III |

ENVIRONMENTAL HAZARDS:	Environmentally Hazardous Substance/Marine Pollutant
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SPECIAL PRECAUTIONS FOR USER

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|----------------------------|---|
| - EMS: | F-A-S-F |
| - EMERGENCY ACTION CODE: | 3Z |
| - HAZARD No. (ADR): | 90 Environmentally hazardous substance; miscellaneous dangerous substances. |
| - TUNNEL RESTRICTION CODE: | (E) |

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:	No additional data available.
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15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS:

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

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.

GUIDANCE:

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

16: OTHER INFORMATION

HAZARD AND/OR PRECAUTIONARY STATEMENTS IN FULL:

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H401 Toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 6 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.