

LEMONGRASS ORGANIC ESSENTIAL OIL

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

1.1 Product identifier

Product Name LEMONGRASS ORGANIC ESSENTIAL OIL
 Substance name Cymbopogon citratus, ext.
 CAS No. 8007-02-1/89998-14-1
 EC No. 616-903-3/289-752-0
 REACH Registration No. Exempt: tonnage band under 1 ton/year

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Raw material for industry
 Cosmetic products, detergents
 Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Supplier
 Company Identification Scents From Nature - Natural Essential Oils Company, Lda
 Address of Manufacturer Estrada da Ponte, Nº 2 - Quinta Grande
 Postal code 2610-141 Amadora, Portugal
 Telephone: (+351) 21 010 3900
 E-mail Info@SCENTSNATURE.com

1.4 Emergency telephone number

National response centre
 Address Centro de Informação Antivenenos (CIAV)
 INEM – Instituto Nacional de Emergência Médica,
 Rua Almirante Barroso, 36,
 1000 – 013 LISBOA, Portugal.
 Emergency Phone No. 800 250 250

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Asp. Tox. 1 :May be fatal if swallowed and enters airways.
 Skin Irrit. 2 :Causes skin irritation.
 Skin Sens. 1B :May cause an allergic skin reaction.
 Eye Dam. 1 :Causes serious eye damage.
 Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
 Product Name LEMONGRASS ORGANIC ESSENTIAL OIL
 Substance name Cymbopogon citratus, ext.

Hazard Pictogram(s)



GHS05



GHS08



GHS07



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

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.
 Contains (R)-p-mentha-1,8-diene d-limonene

Precautionary Statement(s)

P264: Wash hands and exposed skin thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
 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/doctor.
 P331: Do NOT induce vomiting.

2.3 Other hazards

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None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Cymbopogon citratus, ext.	8007-02-1/ 89998-14-1	616-903-3/ 289-752-0	100	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	GHS05 GHS07 GHS08 GHS09

Major constituents of the substance contributing to the classification:

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
citral	5392-40-5	226-394-6	70-80	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	GHS07
pin-2(3)-ene	80-56-8	201-291-9	10-20	Flam. Liq. 3 H226 Acute Tox. 4 H302 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1B H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS02 GHS08 GHS07 GHS09

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
pin-2(3)-ene	80-56-8	-	-	Acute Tox. 4 (H302) : 500.000

Contains no non-classified vPvB substances.
Contains no non-classified substances with a Union workplace exposure limit.
For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Treat symptomatically.
Skin Contact Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
Ingestion Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTRE/doctor. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.
Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Collect spilled product. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Not known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls

Collect spilled product. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state

Liquid.

Colour

Yellow

Odour

Strong and Citric

Melting point/freezing point

Not known. *

Boiling point or initial boiling point and boiling range

Not known. *

Flammability

Not known. *

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Lower and upper explosion limit	Not known. *
Flash Point	63°C
Auto-ignition temperature	Not known. *
Decomposition Temperature	Not known. *
pH	4.69
Dynamic viscosity	19.75 (20°C); 25.31 (40°C)
Kinematic Viscosity	22.66 mm ² /s (20°C); 29.04 mm ² /s (40°C)
Solubility	Solubility (Water) : Not known. *
	Solubility (Other) : Not known. *
Partition coefficient n-octanol/water (log value)	Not known. *
Vapour pressure	Not known. *
Density and/or relative density	Density (g/ml) : 0.8717
Relative vapour density	Not known. *
Particle characteristics	Not known. *

* There are no data available at the time of writing this document or it is not applicable due to the nature and danger of the product

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 2834.47000
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

citral	Readily biodegradable
pin-2(3)-ene	Readily biodegradable

12.3 Bioaccumulative potential

Not known.

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12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this product and its container, sending them to an authorized collection and recovery/disposal company.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 3082

14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 9
 ADR Classification Code M6
 Special Provisions 274 335 375 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Emergency Action Code •3Z
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages PP1
 Mixed Packing Instructions for Packages MP19
 Packing Instructions for Portable Tanks T4
 Special Provisions for Portable Tanks TP1 TP29
 Tank Code for Tanks LGBV
 Special Provisions for Tanks
 Vehicle for Tank Carriage AT
 ADR Transport Category 3
 Tunnel Restriction Code -
 Special Provisions for Carriage - Packages V12
 Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV13

Unloading and Handling

Special Provisions for Carriage -

Operation

ADR HIN 90

IMDG

IMDG Class 9

Special Provisions 274 335 375 601

Limited Quantities 5 L

Excepted Quantities E1

Mixed Packing Instructions for Packages P001 IBC03 LP01 R001

Special Packing Provisions for Packages PP1

Packing Instructions for Portable Tanks T4

Special Provisions for Portable Tanks TP1 TP29

IMDG EMS F-A S-F

Stowage and Handling Category A

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Excepted Quantities E1

Passenger and Cargo Aircraft Limited Y964

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 30Kg G

Quantities Max net Qty

Passenger and Cargo Aircraft Packing 964

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Instructions
 Passenger and Cargo Aircraft Max net Qty 450L
 Cargo Aircraft Packing Instructions 964
 Cargo Aircraft Max net Qty 450L
 Special Provisions A97, A158 A197
 Emergency Response Guidebook (ERG) 9L
 Code
 Labels
 Labels 9



14.4 Packing group
 Packing group III
14.5 Environmental hazards
 Environmental hazards Classified as a Marine Pollutant.
14.6 Special precautions for user
 Special precautions for user Not known.
14.7 Maritime transport in bulk according to IMO instruments
 No information available

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use
 Candidate List of Substances of Very High Concern for Authorisation Not listed
 REACH: ANNEX XIV list of substances subject to authorisation Not listed
 REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) citral (5392-40-5)
 Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed
 Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed
 Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS05



GHS08



GHS07



GHS09

GHS02: GHS: Flame

Hazard classification

Flam. Liq. 3 : Flammable liquid, Category 3
 Acute Tox. 4 : Acute toxicity, Category 4
 Asp. Tox. 1 : Aspiration hazard, Category 1
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2

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Skin Sens. 1 : Skin sensitization, Category 1

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Skin Sens. 1B : Skin sensitization, Category 1B
 Eye Dam. 1 : Serious eye damage/irritation, Category 1
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2
 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1
 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1
 Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
 Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H226: Flammable liquid and vapour.
 H302: Harmful if swallowed.
 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.

Precautionary Statement(s)

P264: Wash hands and exposed skin thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
 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/doctor.
 P331: Do NOT induce vomiting.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE : Acute Toxicity Estimate
 CAS : Chemical Abstracts Service
 CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
 DNEL : Derived No Effect Level
 EC : European Community
 EINECS : European Inventory of Existing Commercial Chemical Substances
 IATA : International Air Transport Association
 IBC : Intermediate Bulk Container
 ICAO : International Civil Aviation Organization
 IMDG : International Maritime Dangerous Goods
 LTEL : Long term exposure limit
 PBT : Persistent, Bioaccumulative and Toxic
 PNEC : Predicted No Effect Concentration
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
 STEL : Short term exposure limit
 STOT : Specific Target Organ Toxicity
 UN : United Nations
 vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP) data used to compile the SDS
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