



Certificate of Analysis

PRODUCT DETAILS						
Product Name	CITRONELLA JAVA OIL					
Product Code	OECITR					
INCI Name	Cymbopogon					
Manufacturing Process	Steam distillation of the freshly cut or partially dried grasses of Cymbopogon Winterianus.					
Identification	CAS No: 91771-61-8	EINECS No: 294-954-7				
	Alternative Cas: 8000-29-1	FEMA No: 2308				
	CoE: 39	FDA No: 182.20				
PHYSICAL AND CHEMICAL CHARACTERISTIC						
	SPECIFICATION RANGE		RESULTS			
Appearance	Liquid		Conforms			
Colour	Pale yellow		Conforms			
Odour	Characteristic		Conforms			
Relative Density @ 20°c	0.850 - 0.950		0.901			
Refractive Index @ 20°c	1.450 - 1.490		1.4698			
MAIN CONSTITUENTS						
CONSTITUENT RANGE	RESULTS	CONSTITUENT RANGE	RESULTS		CONSTITUENTS RANGE	RESULTS
(+) - Citronellal 7-43%	32.40%	Geraniol 19-49%	25.20%	Citronellol 8-14%		10.20%
Limonene 1.5-5%	2.90%	Geranyl Acetate 2-4%	8.00%	Muurolol (T&A) <0.01-3%		0.40%
Elemol 0.5-5%	1.50%	Citronellyl Acetate 1-4%	2.10%	Cadinenes (alpha, beta&gamma) 1-5%		1.40%
Germacrene D 0.50-3%	1.50%	Elemene Beta 0.50-3%	1.40%	Neo Iso Pulegol 0.50-3%		ND
Cis-beta-Ocimene <0.01-<1%	ND	Eugenol 0.50-1.50%	0.20%	Geranial <0.01-11%		ND
Linalool <0.01-2%	1.00%	Nerol <0.01-1%	ND	Neryl Acetate <0.01-<1%		ND
Farnseol <0.01-<1%	0.20%	Camphene <0.01-<1%	ND	Terpineol (alpha, beta&gamma) <0.01-<1%		ND
DL Borneol <0.01-<1%	ND	Decanal <0.01-<1%	ND	Sabiene <0.01-<1%		ND
Myrcene <0.01-<1%	0.20%	A Terpinolene <0.01-<1%	ND	Beta Phellandrene <0.01-<1%		ND
Alpha Pinene <0.01-<1%	ND	P-Cymene <0.01-<1%	ND	Camphene <0.01-<1%		ND
STORAGE AND SHELF LIFE						
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.					
Shelf Life	36 months unopened and stored as above.					

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 himself as to the suitability of such information for his own particular use. Where Ekokoza s.r.o. make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

Issue No: 1

Ekokoza s.r.o.
Fryčovice 297, 73945, Fryčovice
IČ: 07508247, eshop@ekokoza.cz, +420605779993



CMR (Carcinogenic, mutagenic, reprotoxic) STATEMENT

We hereby confirm, to the best of our knowledge and from information received from our supplier, that the below mentioned product does not contain any CMR Substances.

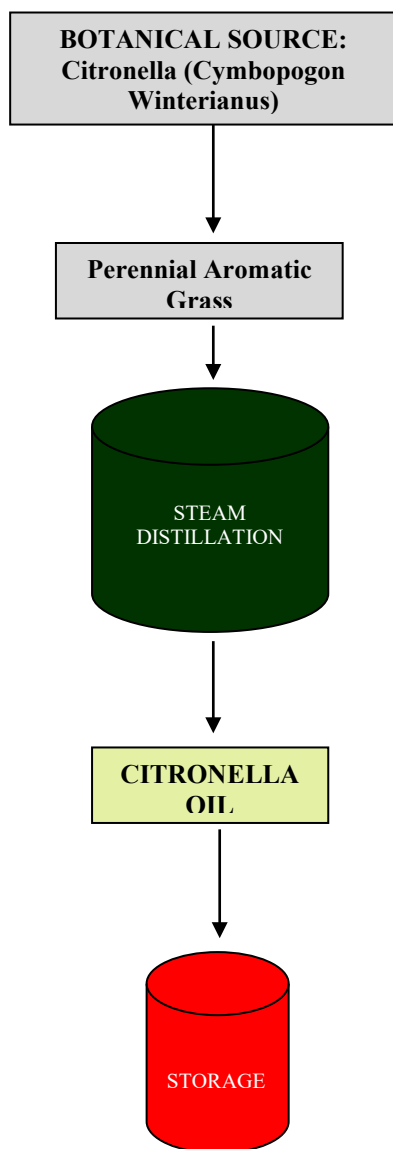
However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.

Product: CITRONELLA OIL

03 August 2021



CITRONELLA JAVA OIL FLOW CHART



MYSTIC MOMENTS

SAFETY DATA SHEET CITRONELLA JAVA OIL

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	CITRONELLA JAVA OIL
Product number	OECITR
Synonyms; trade names	Cymbopogon Winterianus
REACH registration number	01-2120741487-48-XXXX
CAS number	91771-61-8
EC number	294-954-7

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

Identified uses	Suitable for use in cosmetics,, fragrances and flavourings
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1.3. Details of the supplier of the safety data sheet

Supplier	Ekokoza s.r.o. Fryčovice 297 73945 Fryčovice eshop@ekokoza.cz +420605779993 IČ:07508247
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1.4. Emergency telephone number

Nouzové telefonní číslo: +420224919293 , +420224915402 (telefon 24hod/
denně) Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha2)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 2 - H411

Human health Causes serious eye irritation May irritate eyes and skin. Fatal if swallowed

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

EC number	294-954-7
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CITRONELLA JAVA OIL

Hazard pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H411 Toxic to aquatic life with long lasting effects.
 H304 May be fatal if swallowed and enters airways.

Precautionary statements

P261 Avoid breathing vapour/ spray.
 P264 Wash contaminated skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 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.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
 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.
 P321 Specific treatment (see medical advice on this label).
 P330 Rinse mouth.
 P331 Do NOT induce vomiting.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

(+)-Citronellal, Geraniol, Citronellol, (R)-p-mentha-1,8-diene, Geranyl Acetate, Elemol, Neo Iso Pulegol, Iso Pulegol, Eugenol, Geranial, Linalool, Nerol, Neryl Acetate, Farnseol, Beta Caryophyllene

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

(+)-Citronellal		7-43%
CAS number: 2385-77-5	EC number: 219-194-5	
Classification		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1B - H317		

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Geraniol		19-49%
CAS number: 106-24-1		EC number: 203-377-1
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317		
Citronellol		8-14%
CAS number: 106-22-9		EC number: 203-375-0
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
(R)-p-mentha-1,8-diene		1.5 - 5%
CAS number: 5989-27-5		EC number: 227-813-5
M factor (Acute) = 1		
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412		
Geranyl Acetate		2 - 4%
CAS number: 105-87-3		EC number: 203-341-5
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
Elemol		0.5-5%
CAS number: 639-99-6		EC number: 245-842-1
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		

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Citronellyl Acetate	1-4%
CAS number: 150-84-5	EC number: 205-775-0
Classification Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411	
Neo Iso Pulegol	0.50-3%
CAS number: 96612-21-4	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
Iso Pulegol	<0.01-2%
CAS number: 89-79-2	EC number: 201-940-6
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
Eugenol	0.50-1.50%
CAS number: 97-53-0	EC number: 202-589-1
Classification Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304	
Geranial	<0.01-11%
CAS number: 141-27-5	EC number: 205-476-5
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	
Linalool	<0.01-2%
CAS number: 78-70-6	EC number: 201-134-4
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	

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Nerol		<0.01-<1%
CAS number: 106-25-2	EC number: 203-378-7	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317		
Neryl Acetate		<0.01-<1%
CAS number: 141-12-8	EC number: 205-459-2	
Classification Skin Sens. 1 - H317		
Farnesol		<0.01-<1%
CAS number: 4602-84-0	EC number: 225-004-1	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Beta Caryophyllene		<0.01-3.5%
CAS number: 87-44-5	EC number: 201-746-1	
Classification Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413		
Decanal		<0.01-<1%
CAS number: 112-31-2	EC number: 203-957-4	
M factor (Acute) = 1		
Classification Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412		

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.

CITRONELLA JAVA OIL

Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO ₂). Powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Closed containers may build up pressure at elevated temperatures.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Wear full protective clothing

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Static electricity and formation of sparks must be prevented. Provide adequate ventilation.
Advice on general occupational hygiene	Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

CITRONELLA JAVA OIL

Storage precautions

Keep container tightly closed, in a cool, well ventilated place. Only store in correctly labelled containers. Keep containers upright.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Geraniol (CAS: 106-24-1)

DNEL

Workers - Inhalation; Long term systemic effects: 161.6 mg/m³
 Workers - Dermal; Long term systemic effects: 12.5 bw/day, mg/kg
 General population - Inhalation; Long term systemic effects: 47.8 mg/m³
 General population - Dermal; Long term systemic effects: 7.5 bw/day, mg/kg
 General population - Oral; Long term systemic effects: 13.75 bw/day, mg/kg

PNEC

- Fresh water; Short term 0.011 mg/l
 - Fresh water, Intermittent release; 0.108 mg/l
 - marine water; Short term 0.001 mg/l
 - STP; Short term 0.7 mg/l
 - Sediment (Freshwater); Short term 0.115 mg/kg
 - Sediment (Marinewater); Short term 0.011 mg/kg
 - Soil; Short term 0.017 mg/kg

Citronellol (CAS: 106-22-9)

DNEL

Workers - Inhalation; Long term systemic effects: 161.6 mg/m³
 Workers - Inhalation; Long term local effects: 10 mg/m³
 Workers - Inhalation; Short term local effects: 10 mg/m³
 Workers - Dermal; Long term systemic effects: 327.4 mg/kg, bw/day
 Workers - Dermal; Short term local effects: 2.950 mg/cm²
 General population - Inhalation; Long term systemic effects: 47.8 mg/m³
 General population - Inhalation; Long term local effects: 10 mg/m³
 General population - Inhalation; Short term local effects: 10 mg/m³
 General population - Dermal; Long term systemic effects: 196.4 bw/day, mg/kg
 General population - Dermal; Short term local effects: 2.950 mg/cm²
 General population - Oral; Long term systemic effects: 13.8 mg/kg, bw/day

PNEC

- Fresh water; Short term 0.002 mg/l
 - Intermittent release, Fresh water; Short term 0.024 mg/l
 - marine water; Short term 0 mg/l
 - STP; Short term 580 mg/l
 - Sediment (Freshwater); Short term 0.026 mg/kg
 - Sediment (Marinewater); Short term 0.003 mg/kg
 - Soil; Short term 0.004 mg/kg

(R)-p-mentha-1,8-diene (CAS: 5989-27-5)

DNEL

Workers - Inhalation; Long term systemic effects: 33.3 mg/m³
 General population - Oral; Long term systemic effects: 4.76 mg/kg

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PNEC

- STP; 1.8 mg/l
- Soil; 0.262 mg/kg
- Fresh water; 0.0054 mg/l
- marine water; 0.00054 mg/l
- Sediment (Freshwater); 1.32 mg/kg
- Sediment (Marinewater); 0.13 mg/kg

Geranyl Acetate (CAS: 105-87-3)

DNEL

Workers - Inhalation; Long term systemic effects: 62.59 mg/m³
Workers - Dermal; Long term systemic effects: 35.5 mg/kg, bw/day
General population - Inhalation; Long term systemic effects: 15.4 mg/m³
General population - Dermal; Long term systemic effects: 17.75 mg/kg, bw/day
General population - Oral; Long term systemic effects: 8.9 mg/kg, bw/day

PNEC

- Fresh water; Short term 3.72 mg/l
- Intermittent release, Fresh water; 37.2 mg/l
- marine water; Short term 0.372 mg/l
- STP; Short term 8 mg/l
- Sediment (Freshwater); Short term 0.442 mg/kg
- Sediment (Marinewater); Short term 0.044 mg/kg
- Soil; Short term 0.086 mg/kg

Citronellyl Acetate (CAS: 150-84-5)

DNEL

Workers - Inhalation; Long term systemic effects: 17 mg/m³
Workers - Dermal; Long term systemic effects: 4.8 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 4.2 mg/m³
General population - Dermal; Long term systemic effects: 2.4 bw/day, mg/kg
General population - Oral; Long term systemic effects: 2.4 bw/day, mg/kg

PNEC

- Fresh water; Short term 0.003 mg/l
- Intermittent release, Fresh water; 0.035 mg/l
- marine water; Short term 0 mg/l
- STP; Short term 10 mg/l
- Sediment (Freshwater); Short term 0.851 mg/kg
- Sediment (Marinewater); Short term 0.085 mg/kg
- Soil; Short term 0.168 mg/kg

Eugenol (CAS: 97-53-0)

DNEL

Workers - Inhalation; Long term systemic effects: 21.2 mg/m³
Workers - Dermal; Long term systemic effects: 6 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 5.22 mg/m³
General population - Dermal; Long term systemic effects: 3 mg/kg, bw/day
General population - Oral; Long term systemic effects: 3 bw/day, mg/kg

PNEC

- Fresh water; Short term 1.13 mg/l
- Intermittent release, Fresh water; 11.3 mg/l
- marine water; Short term 0.113 mg/l
- Sediment (Freshwater); Short term 0.081 mg/kg
- Sediment (Marinewater); Short term 0.008 mg/kg
- Soil; Short term 0.015 mg/kg

Linalool (CAS: 78-70-6)

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DNEL

Workers - Dermal; Short term systemic effects: 5 mg/kg
 Workers - Inhalation; Short term systemic effects: 16.5 mg/m³
 Workers - Dermal; Long term systemic effects: 2.5 mg/kg
 Workers - Inhalation; Long term systemic effects: 2.8 mg/m³
 General population - Oral; Short term systemic effects: 1.5 mg/kg
 General population - Dermal; Short term systemic effects: 2.5 mg/kg
 General population - Inhalation; Short term systemic effects: 4.1 mg/m³
 General population - Oral; Long term systemic effects: 0.2 mg/kg
 General population - Dermal; Long term systemic effects: 1.25 mg/kg
 General population - Inhalation; Long term systemic effects: 0.7 mg/m³
 - ; :

PNEC

- STP; Short term 10 mg/l
- Soil; Short term 0.327 mg/kg
- Intermittent release; Short term 2 mg/l
- Fresh water; Short term 0.2 mg/l
- marine water; Short term 0.02 mg/l
- Sediment (Freshwater); Short term 2.22 mg/kg
- Sediment (Marinewater); Short term 0.222 mg/kg

Decanal (CAS: 112-31-2)

DNEL

Workers - Inhalation; Long term systemic effects: 24.9 mg/m³
 Workers - Dermal; Long term systemic effects: 7 bw/day, mg/kg
 General population - Inhalation; Long term systemic effects: 6.1 mg/m³
 General population - Dermal; Long term systemic effects: 3.5 mg/kg, bw/day
 General population - Oral; Long term systemic effects: 3.5 bw/day, mg/kg

PNEC

- Fresh water; Short term 1.17 mg/l
- Fresh water, Intermittent release; 11.7 mg/l
- marine water; Short term 0.117 mg/l
- STP; Short term 3.16 mg/l
- Sediment (Freshwater); Short term 0.097 mg/kg
- Sediment (Marinewater); Short term 0.01 mg/kg
- Soil; Short term 0.019 mg/kg

Terpineol (alpha&beta&gamma) (CAS: 8000-41-7)

DNEL

Workers - Inhalation; Long term systemic effects: 44.8 mg/m³
 Workers - Dermal; Long term systemic effects: 6.35 bw/day, mg/kg
 General population - Inhalation; Long term systemic effects: 7.96 mg/m³
 General population - Dermal; Long term systemic effects: 2.29 mg/kg, bw/day
 General population - Oral; Long term systemic effects: 0.42 bw/day, mg/kg

PNEC

- Fresh water; Short term 12 mg/l
- Fresh water, Intermittent release; mg/l
- marine water; Short term 1.2 mg/l
- STP; Short term 2.57 mg/l
- Sediment (Freshwater); Short term 0.263 mg/kg
- Sediment (Marinewater); Short term 0.026 mg/kg
- Soil; Short term 0.045 mg/kg

7-methyl-3-methylenoocta-1,6-diene (CAS: 123-35-3)

CITRONELLA JAVA OIL

DNEL Workers - Dermal; Long term systemic effects: 0.83 mg/kg
Workers - Inhalation; Long term systemic effects: 5.83 mg/m³
General population - Dermal; Long term systemic effects: 0.42 mg/kg
General population - Inhalation; Long term systemic effects: 1.25 mg/m³

PNEC - STP; 0.2 mg/l
- Soil; 1.015 mg/kg
- Fresh water; 0.00028 mg/l
- marine water; 0.0008 mg/l
- Sediment (Freshwater); 5.022 mg/kg
- Sediment (Marinewater); 0.502 mg/kg

a terpinolene (CAS: 586-62-9)

DNEL Workers - Inhalation; Long term systemic effects: 3.6 mg/m³
Workers - Dermal; Long term systemic effects: 0.52 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 0.9 mg/m³
General population - Dermal; Long term systemic effects: 0.26 bw/day, mg/kg
General population - Oral; Long term systemic effects: 0.26 mg/kg, bw/day

PNEC - Fresh water; Short term 0.634 mg/l
- Fresh water, Intermittent release; Short term 0.634 mg/l
- marine water; Short term 0.063 mg/l
- STP; Short term 0.2 mg/l
- Sediment (Freshwater); Short term 14.7 mg/kg
- Sediment (Marinewater); Short term 14.7 mg/kg
- Soil; Short term 29.1 mg/kg

Alpha Pinene (CAS: 80-56-8)

DNEL Workers - Inhalation; Long term systemic effects: 3.8 mg/m³
Workers - Dermal; Long term systemic effects: 0.54 bw/day, mg/kg
General population - Inhalation; Long term systemic effects: 0.67 mg/m³
General population - Dermal; Long term systemic effects: 0.19 mg/kg, bw/day
General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day

PNEC - Fresh water; Short term 0.606 mg/l
- Intermittent release, Fresh water; 3.03 mg/l
- marine water; Short term 0.061 mg/l
- marine water, Intermittent release; 0.303 mg/l
- STP; Short term 0.2 mg/l
- Sediment (Freshwater); Short term 157 mg/kg
- Sediment (Marinewater); Short term 15.7 mg/kg
- Soil; Short term 31.7 mg/kg

Camphene (CAS: 79-92-5)

CITRONELLA JAVA OIL

DNEL

Workers - Inhalation; Long term systemic effects: 110.19 mg/m³
 Workers - Inhalation; Short term systemic effects: 110.19 mg/m³
 Workers - Dermal; Long term systemic effects: 0.21 bw/day, mg/kg
 Workers - Dermal; Short term systemic effects: 1.25 bw/day, mg/kg
 General population - Inhalation; Long term systemic effects: 54.3 mg/m³
 General population - Inhalation; Short term systemic effects: 54.3 mg/m³
 General population - Dermal; Long term systemic effects: 0.1 bw/day, mg/kg
 General population - Dermal; Short term systemic effects: 0.625 bw/day, mg/kg
 General population - Oral; Long term systemic effects: 0.1 bw/day, mg/kg
 General population - Oral; Short term systemic effects: 0.625 mg/kg, bw/day

PNEC

- Fresh water; Short term 0.001 mg/l
 - Fresh water, Intermittent release; 0.001 mg/l
 - marine water; Short term 0 mg/l
 - STP; Short term 10 mg/l
 - Sediment (Freshwater); Short term 0.026 mg/kg
 - Sediment (Marinewater); Short term 0.003 mg/kg
 - Soil; Short term 0.021 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Good personal hygiene procedures should be implemented.

Respiratory protection

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

Environmental exposure controls

Avoid discharging into drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale Yellow.
Odour	Characteristic.
Melting point	<-20°C
Initial boiling point and range	92°C @ 1013 hPa
Flash point	70-90°C
Vapour pressure	22.14 Pa @ 25°C
Relative density	0.850 - 0.950 @ 20°C

CITRONELLA JAVA OIL

Solubility(ies) 0.05 - 1767 mg/l water @ 25°C

Partition coefficient log Kow: 2.73 - 7.04

Auto-ignition temperature 240°C

9.2. Other information

Refractive index 1.450 - 1.490 @ 20°C

Hydrocarbon Content

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not known.

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No data available.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 500.0

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: 7.5 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EL₅₀, 48 hours: 6.0 mg/l, Daphnia magna

Acute toxicity - aquatic plants ErL₅₀, 72 hours: 10 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms Not known.

Acute toxicity - terrestrial Not known.

12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

CITRONELLA JAVA OIL

Partition coefficient log Kow: 2.73 - 7.04

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

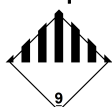
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

CITRONELLA JAVA OIL

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

Hazard Identification Number 90
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
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) (as amended).

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

Complies

Canada - DSL/NDSL

DSL

US - TSCA

Complies

US - TSCA 12(b) Export Notification

Not listed.

Australia - AICS

Complies

Japan - ENCS

Complies

Korea - KECI

Complies

CITRONELLA JAVA OIL

China - IECSC

Complies

Philippines – PICCS

Complies

New Zealand - NZIOC

Complies

Taiwan - NECI

Complies

SECTION 16: Other information

Revision date	18/06/2019
Revision	6
Supersedes date	18/06/2019
SDS number	4714
Hazard statements in full	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. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

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 himself as to the suitability of such information for his own particular use.



Product Specification

PRODUCT DETAILS		
Product Name	CITRONELLA JAVA OIL	
Product Code	OECITR	
INCI Name	Cymbopogon	
Country of Origin	China / Indonesia	
Tariff Number	33012941	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Irradiation Statement	We hereby confirm from information received from our supplier that this product has not undergone any treatments at any stage for preservation, sterilisation (e.g irradiation, fumigation etc.)	
Kosher Certified	Yes	
Halal Certified	We hereby delcare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.	
BSE (Bovine Spongiform Encephalopathy) and TSE (Transmissble Spongiform Encephalopathy) Declaration	We hereby declare, from information received from our supplier, that this product is entirely free from BSE and TSE. This product does not contain and is not produced from any animal origin.	
Manufacturing Process	Steam distillation of the freshly cut or partially dried grasses of Cymbopogon Winterianus.	
Identification	CAS No: 91771-61-8	EINECS No: 294-954-7
	Alternative Cas: 8000-29-1	FEMA No: 2308
	CoE: 39	FDA No: 182.20
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Pale yellow	
Odour	Characteristic	
Initial Boiling Point and range	220 - 225°c	
Flash Point	70-90°c	
Vapour Pressure @ 25°c	0.8 mm Hg	
Relative Density @ 20°c	0.850 - 0.950	
Refractive Index @ 20°c	1.450 - 1.490	
FRAGRANCE ALLERGENS		
Citral (5392-40-5) <2%	Citronellol (106-22-9) Ca 12.74%	Limonene (5989-27-5) Ca 3.76%
Eugenol (97-53-0) Ca 1.05%	Farnesol (4602-84-0) <1%	Geraniol (106-24-1) Ca 21%
Linalool (78-70-6) Ca 1%		
FOOD ALLERGENS		
NONE		
IFRA		
Citral (5392-40-5) <2%	Geraniol (106-24-1) Ca 21%	Eugenol (97-53-0) Ca 1.05%
Farnesol (4602-84-0) <1%	Citronellol (106-22-9) Ca 12.74%	
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	
Shelf Life	36 months unopened and stored as above.	

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 himself as to the suitability of such information for his own particular use. Where Ekokoza s.r.o. make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.

Issue no: 3

Ekokoza s.r.o.
Fryčovice 297, 73945, Fryčovice
IČ: 07508247, eshop@ekokoza.cz, +420605779993



Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	CITRONELLA JAVA OIL
Cas No:	91771-61-8
EINECS No:	294-954-7
STATEMENT	
<p>We, Ekokoza s.r.o., from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	