

GHS: According to 2015/830/EU

Code Number: E0108873 Version 3 Revised 9/03/2022

Section 1. I dentification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name CITRONELLA OIL JAVA Code Number EO108873 / EOCITJ

Alternative Name INCI Name: Cymbopogon Winterianus Herb Oil

REACH Reg No Not registered

1.2 Relevant identified uses of the substance or mixture and uses advised against Concentrated material for manufacturing purposes only

1.3 Details of the supplier of the safety data sheet

Pure Ingredients Ltd

626A Rosebank Road, Avondale

Auckland 1026 New Zealand

Telephone Number +09 813 5619

Email Address compliance@pureingredients.co.nz

**1.4 Emergency Tel No** 111 / NZ Poisons Centre **0800 POISON** (0800 764 766)

Emergency Response: 0800 CHEMCALL / 0800 243 622 (24hr)

#### Section 2. Hazard Identification

2.1 Classification of the substance or mixture

FL 4 *(3.1D)	Flammable liquid, category 4
ATO 4 *(6.1D)	Acute toxicity, oral, category 4
AH 1 *(6.1E)	Aspiration hazard, category 1
SCI 2 *(6.3A)	Skin corrosion/irritation, category 2
SS 1 *(6.5B)	Skin sensitisation, category 1
EDI 1 *(8.3A)	Eye damage/irritation, category 1
EH A2 *(9.1D)	Aquatic hazard, acute, category 2
EH C2 *(9.1B)	Aquatic hazard, chronic, category 2

<sup>\*</sup>Correlation between GHS and New Zealand HSNO Classes and Categories

### 2.2 Label elements

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GHS classification according to Regulation (EC) No 1272/2008

Hazard Pictograms



Signal Word Danger

**Hazard Statements** 

H227 Combustible liquid
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

H411 Toxic to aquatic life with long lasting effects

**Precautionary Statements** 

P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P261 Avoid breathing fumes.

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

P333+P313 If skin irritation or rash occurs: Get medical advice.

P362+P364 Take off contaminated clothing and wash it before reuse.

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P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents and container in accordance to local

regulations.

#### 2.3 Other Hazards

Contains Citral, Citronellol, Eugenol, Geraniol, Limonene and Linalool which may produce an allergic reaction

No further information available at this time

#### Section 3. Composition / information on ingredients

Any percentage values listed here for hazardous components are for illustrative purposes only

#### 3.1 Substances

Description CITRONELLA OIL JAVA

EC/EINECS 294-954-7
CAS Number 91771-61-8
USCAS Number 8000-29-1

## Hazardous components

ID Numbers	Chemical Name, Classification and Hazards	Conc (%)
CAS 106-23-0 EINECS 203-376-6 REACH	Citronellal  FL 4;ATO 5(2500);SCI 2;EDI 2A;SS 1;EH A2 H227,H303,H315,H317,H319,H401	38.0000
CAS 106-24-1 EINECS 203-377-1 REACH	Geraniol SCI 2;SS 1;EDI 1 H315,H317,H318	26.8000
CAS 106-22-9 EINECS 203-375-0 REACH	Citronellol (d,I-Citronellol) SCI 2;SS 1B;EDI 2A H315,H317,H319	10.1000
CAS 5989-27-5 EINECS 227-813-5 REACH	d-Limonene (p-Mentha-1,8-diene)  FL 3;SCI 2;SS 1B;AH 1;EH A1,C1 H226,H304,H315,H317,H400,H410	3.9000
CAS 105-87-3 EINECS 203-341-5 REACH	Geranyl acetate  SCI 2;SS 1;EH C3 H315,H317,H412	3.0000
CAS 639-99-6 EINECS 211-360-5 REACH	Elemol	2.2000

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CAS 150-84-5 EINECS 205-775-0	Citronellyl acetate	1.6000
EACH	SCI 2;EDI 2A;EH A2,C2 H315,H319,H401,H411	1.0000
CAS 97-53-0 EINECS 202-589-1	Eugenol	0.8000
PEACH	SS 1;EDI 2A H317,H319	0.0000
CAS 78-70-6 EINECS 201-134-4	Linalool	0.8000
EACH	FL 4;SS 1B H227,H317	
CAS 89-79-2 EINECS 201-940-6 REACH	Isopulegole	0.8000
	FL 4;ATO 4(960);SCI 3 H227,H302,H316	0.0000
CAS 141-27-5 EINECS 205-476-5	Geranial (3,7-Dimethyl-2,6-octadienal)	0.6000
REACH	SCI 2; SS 1B; EDI 2A H315, H317, H319	
CAS 87-44-5 EINECS 201-746-1	Caryophyllene	0.5000
REACH	AH 1;SS 1B H304,H317	0.0000
CAS 106-26-3 EINECS 203-379-2	Neral	0.4000
REACH	SCI 2;SS 1;EDI 2A H315,H317,H319	
CAS 3338-55-4 EINECS 222-081-3 REACH	Ocimenes (cis-beta-Ocimene)	0.3000
	FL 3; AH 1; SCI 3 H226, H304, H316	
CAS 123-35-3 EINECS 204-622-5	beta-Myrcene	0.1000
REACH	FL 3; AH 1; SCI 2; EDI 2A H226, H304, H315, H319	
CAS 586-62-9 EINECS 209-578-0	Terpinolene	0.1000
REACH	FL 4;ATO 5(3850);AH 1;SCI 3;SS 1B;EH A1,C1(M factor 1) H227,H303,H304,H316,H317,H400,H410	
CAS 98-55-5 EINECS 202-680-6 REACH	Terpineol (alpha-Terpineol)	0.1000
	FL 4; ATO 5(4300); SCI 2; EDI 2A; EH A2 H227, H303, H315, H319, H401	
CAS 79-92-5 EINECS 201-234-8 REACH	Camphene	0.1000
	FS 2; SCI 3; EDI 2A; EH A1, C1 H228, H316, H319, H400, H410	
CAS 80-56-8 EINECS 201-291-9 REACH	Pinenes	0.1000
	FL 3; ATO 4; AH 1; SCI 2; SS 1; EH A1, C1 H226, H302, H304, H315, H317, H400, H410	
CAS 562-74-3 EINECS 209-235-5	Terpinene-4-ol (4-Terpineol) (4-Carvomenthenol)	0.0500
REACH	FL 4;ATD 5(2500);ATO 4(1300);SCI 2;EDI 2A;EH A3 H227,H302,H313,H315,H319,H402	

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Refer to section 16 for the wording of listed classification and hazard statement codes

#### Section 4. First Aid measures

Take phrases in section 2 into account

4.1 Description of first aid measures

#### After inhalation

If fumes or combustion products are inhaled, remove to fresh uncontaminated air, lay patient on back until breathing returns to normal.

#### After skin contact

Irritating, may cause an allergic reaction. Remove contaminated clothing and wash thoroughly with soap and water. Seek medical advice if irritation persists or there are any signs of tissue damage.

### After eye contact

Causes serious damage to eyes. Flush eyes with plenty of water for 15 minutes including under eyelid. Seek medical advice immediately. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

#### After ingestion

Harmful if swallowed and may be fatal if enters airways. Do NOT induce vomiting. Position to avoid aspiration should vomiting occur. Wash mouth with plenty of water and obtain medical advice immediately. Never give anything by the mouth to an unconscious patient.

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

  Take phrases in sections 2 and 11 into account. No further information available at this time.
- 4.3 Indication of immediate medical attention and special treatment needed Treat symptomatically.

### Section 5. Fire-fighting measures

5.1 Extinguishing Media

Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.

- 5.2 Special hazards arising from the substance or mixture May produce Carbon dioxide and unidentified organic compounds.
- 5.3 Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

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HazChem Code N/A

### Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Remove all sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible, contain the spill.

#### 6.2 Environmental precautions

Do not discharge directly into drains or the soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group.

6.4 Reference to other sections

Refer to information in Sections 7, 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes. Wear protective clothing and use safety glasses. Keep in original container or an alternative made from a compatiable material.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed original containers away from ignition sources and in a cool place. Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

7.3 Specific end use(s)

No further information available.

### Section 8. Exposure controls / personal protection

### 8.1 Control Parameters

No exposure standards have been established for this material by Work safe Australia. However, as a matter of course avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe vapour. Sensitive individuals may develop an allergic response.

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### 8.2 Exposure controls

Engineering controls

Natural ventilation should be sufficient, however where vapours of mists are generated the use of a grounded mechanical exhaust ventilation system is recommended.

Individual protection measures

Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.

Eye/face protection

Use splash-proof safety glasses and face shield where splashing is possible.

Hand protection

Wear chemically resistant disposable gloves.

Other skin protection

Wear overalls. Depending on conditions in the workplace, additional body protection should be considered. Always wash routinely before breaks, meals and at the end of the work period.

Respiratory protection

Not generally required. Use inhalation protection in poorly ventilated areas.

Thermal hazards

No information.

Environmental exposure controls

Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.

National Exposure Standards

No exposure standards have been established for this material by Worksafe Australia.

Biological Limit Values

No biological limit allocated.

## Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

FLASH POINT (°C) 84°

APPEARANCE Mobile liquid

COLOUR Pale yellow to yellow/brown

ODOUR Sharp, characteristic, with floral undertones

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ODOUR THRESHOLD Not available

pH @20 DEG C Not available

MELTING/FREEZING POINT Not available

INITIAL BOILING POINT AND

**RANGE** 

215 deg C

EVAPORATION RATE <1.0

FLAMMABILITY (SOLID/GAS) Not available UPPER/LOWER FLAMMABILITY Not available

LIMITS

VAPOUR PRESSURE 0.03 kPa at 25 deg C

VAPOUR DENSITY >1.0

SPECIFIC GRAVITY @ 20°C 0.878 to 0.898
SOLUBILITIES Insoluble in water

PARTITION COEFF Not available

N-OCTANAL/WATER

AUTO-IGNITION TEMPERATURE Not available
DECOMPOSITION TEMPERATURE Not available
VISCOSITY @ 20 DEG C Not available

EXPLOSIVE PROPERTIES Does not present an explosion hazard

OXIDISING PROPERTIES Not available

9.2 Other information

No further information available.

Section 10. Stability and reactivity

10.1 Reactivity

No data.

10.2 Chemical Stability

Stable under the recommended storage conditions (see section 7).

10.3 Possibility of hazardous reactions

No hazardous reactions if stored under suitable storage conditions.

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#### 10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.

#### 10.5 Incompatible materials

Keep away from oxidising agents and from highly alkaline or acidic material.

### 10.6 Hazardous decomposition products

During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

### Section 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

Cymbopogon winterianus (CAS: 8000-29-1) Oral route: Data not available

May be harmful if swallowed. LD50 oral (rat) - 300 - 2 000 mg/kg LD50 dermal (rat) - 2000 mg/kg 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

No data

Carcinogenicity

No data

Reproductive toxicity

No data

STO-single exposure

No data

STO-repeated exposure

No data

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Aspiration hazard

May be fatal if swallowed and enters airways.

Information on likely routes of exposure

No data

Symptoms related to the physical, chemical and toxicological characteristics No data

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data

Interactive effects

No data

Other information

No data

### Section 12. Ecological information

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects. Avoid contaminating waterways.

LL50 (96 h) - Oncorhynchus mykiss (Rainbow trout) - 7.5 mg/L

EL50 (48 h) - Daphnia magna - 6 mg/L

EL50 (72 h) - Pseudokirchneriella subcapitata - 34 mg/L

12.2 Persistence and degradability

Readily biodegradable.

#### 12.3 Bioaccumulative potential

No data

#### 12.4 Mobility in soil

Avoid soil, surface water and water-bearing stratum contamination.

### 12.5 Results of PBT and vPvB assessment

No data

### 12.6 Other adverse effects

See sections 6, 7, 13 and 15.

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Section 13. Disposal considerations

Please refer to the information in section 8 (Exposure controls and personal protection)

13.1 Waste treatment methods

Dispose in accordance with the law and local regulations. Treat as trade effluent.

#### Section 14. Transport information

14.1 UN number Not Regulated

14.2 UN proper shipping name Not Restricted

14.3 Transport hazard class(es)

14.4 Packing group

**Tunnel Code** 

14.5 Environmental Hazards

No relevant information available

14.6 Special precautions for user

No relevant information available

HazChem Code N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

Section 15. Regulatory information

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

Poison Schedule (SUSMP): Not applicable HS Tariff Code: 3301.29.00

15.2 Chemical safety assessment HSNO Approval Number: HSR002574

A chemical safety assessment has not been carried out

Section 16. Other information

Full list of precautionary phrases

P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P261 Avoid breathing fumes.

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<u> </u>	,
P264	Wash hands 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 and eye protection
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P312	Call a POISON CENTRE if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and container in accordance to local regulations.
Wording of any ha	zard classes listed in section 3
FL 3	Flammable liquid, category 3
FL 4	Flammable liquid, category 4
FS 2	Flammable solid, category 2
ATO 4	Acute toxicity, oral, category 4
ATO 5	Acute toxicity, oral, category 5
AH 1	Aspiration hazard, category 1
ATD 5	Acute toxicity, dermal, category 5
SCI 2	Skin corrosion/irritation, category 2
SCI 3	Skin corrosion/irritation, category 3
SS 1	Skin sensitisation, category 1
SS 1B	Skin sensitisation, category 1B
EDI 1	Eye damage/irritation, category 1
EDI 2A	Eye damage/irritation, category 2A
LDI ZA	, , ,

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EH A2	Aquatic hazard, acute, category 2
EH A3	Aquatic hazard, acute, category 3
EH C1	Aquatic hazard, chronic, category 1
EH C2	Aquatic hazard, chronic, category 2
EH C3	Aquatic hazard, chronic, category 3
Wording of any hazard statements listed in section 3	
H226	Flammable liquid and vapour
H227	Combustible liquid
H228	Flammable solid
H302	Harmful if swallowed
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H315	Causes skin irritation
H316	Causes mild 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
H401	Toxic to aquatic life
H402	Harmful 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

References and further information

Kev:

N/A = Not applicable

SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons

Version 1: GHS format, BV 17/03/2017 Version 2: Minor changes, BV 17/03/2017

Version 3: Mandatory revision, RB 9/03/2022

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.