

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Citronella Oil, Java, Indonesia

Version: 1

1. IDENTIFICATION

Product Identifier

Product identifier: Citronella Oil, Java, Indonesia; CAS: 8000-29-1

Other identifiers: Citronella Oil, Java, Indonesia CymWin2 Cymbopogon winterianus

Recommended use of the chemical and restrictions on use

Product uses:

Supplier Details

Company name: Artisan Aromatics

Company address: 1708 Lena Street, #103
Santa Fe, NM 87505

Contact: Stephanie Ariel

E-Mail address: hello@artisanaromatics.com

Company phone: 505 231-9439

Emergency telephone number

Emergency phone: ChemTel: 1-800-255-3924 (Domestic)

2. HAZARD IDENTIFICATION

Classification

This product is classified under 29CFR 1910.1200(d) as follows:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Class and category of Flammable Liquid, Hazard Category 4
danger: Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 1

Sensitization - Skin Category 1

Carcinogenicity Category 2

Aspiration Hazard Category 1

Signal word: Danger

Hazard statements: Combustible liquid.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing cancer (exposure route).

M factor: None



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Pictograms:



Precautionary statements:

Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
Avoid breathing vapour or dust.
Wash hands and other contacted skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Immediately call a POISON CENTER or doctor/physician.
Do not induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to approved disposal site, in accordance with local regulations.

Hazards not otherwise classified (HNOC) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product identifier: Citronella Oil, Java, Indonesia; CAS: 8000-29-1

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Contains:

Name	CAS	%	GHS Classification
Citronellal	106-23-0	20-<50%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Geraniol	106-24-1	20-<50%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1; H315-H317-H318
dl-Citronellol	106-22-9	10-<20%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B; H315-H317-H319
Citronellol	1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 68916-43-8, 7540-51-4, 106-22-9	10-<20%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
l-Limonene	5989-54-8	1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
Geranyl acetate	105-87-3	1-<5%	Skin Irrit. 2-Skin Sens. 1;H315-H317
Citronellyl acetate	150-84-5	1-<5%	Skin Irrit. 2;H315
Eugenol	97-53-0	0.1-<1%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
Linalool	78-70-6	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Geranial	141-27-5	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B; H315-H317-H319
Neral	106-26-3	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B; H315-H317-H319
Isoeugenyl methyl ether	93-16-3	0.1-<1%	Skin Sens. 1B;H317
Nerol	106-25-2	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B; H315-H317-H319
beta-Caryophyllene	87-44-5	0.1-<1%	Skin Sens. 1B-Asp. Tox 1;H304-H317
Terpinolene	586-62-9	0.1-<1%	Flam. Liq. 4-Skin Sens. 1B-Asp. Tox 1; H227-H304-H317
Eugenyl methyl ether	93-15-2	0.1-<1%	Acute Tox. 4-Muta. 2-Carc. 2;H302-H341-H351
alpha-Pinene	80-56-8	0.1-<1%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H302-H304-H315-H317

The exact percentage concentrations of components are being withheld as a trade secret.

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

Eye exposure: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin exposure: IF ON SKIN: Wash with plenty of soap and water.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing cancer (exposure route).



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Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Other exposure guidelines



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No information available

Exposure controls

Engineering measures

Showers, eyewash stations, ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face and Skin Protection

Wear protective gloves/eye protection/face protection, and suitable protective clothing

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance:	Not determined
Odor:	Not determined
Odor threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	190 °F / 88 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined



Artisan
AROMATICS

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Viscosity: Not determined
Other information: None available

10. STABILITY AND REACTIVITY

Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

Chemical stability:

Good stability under normal storage conditions.

Possibility of hazardous reactions:

Not expected under normal conditions of use.

Conditions to avoid:

Avoid extreme heat.

Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

Hazardous decomposition products:

Not expected.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	3612
Acute Toxicity Dermal	4255
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Skin Corrosion / Irritation Category 2
Serious eye damage/irritation:	Eye Damage / Irritation Category 1
Respiratory or skin sensitisation:	Sensitization - Skin Category 1
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Carcinogenicity Category 2
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	
<u>Additional Information</u>	None available



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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with long lasting effects.

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4. Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (l- Limonene, Citronellyl acetate)	9	-	III
US DOT	None	-			-
US DOT (Bulk)	None	-			-
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (l- Limonene, Citronellyl acetate) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (l- Limonene, Citronellyl acetate)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (l- Limonene, Citronellyl acetate)	9	-	III

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

Environmental hazards: This is an environmentally hazardous substance.

Special precautions for user: None additional



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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

15. REGULATORY INFORMATION

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

RIFM ID Number: 117-E2.12

LM Unique Identifier: LM1929

Additional information

None additional

16. OTHER INFORMATION

Key to revisions:

Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

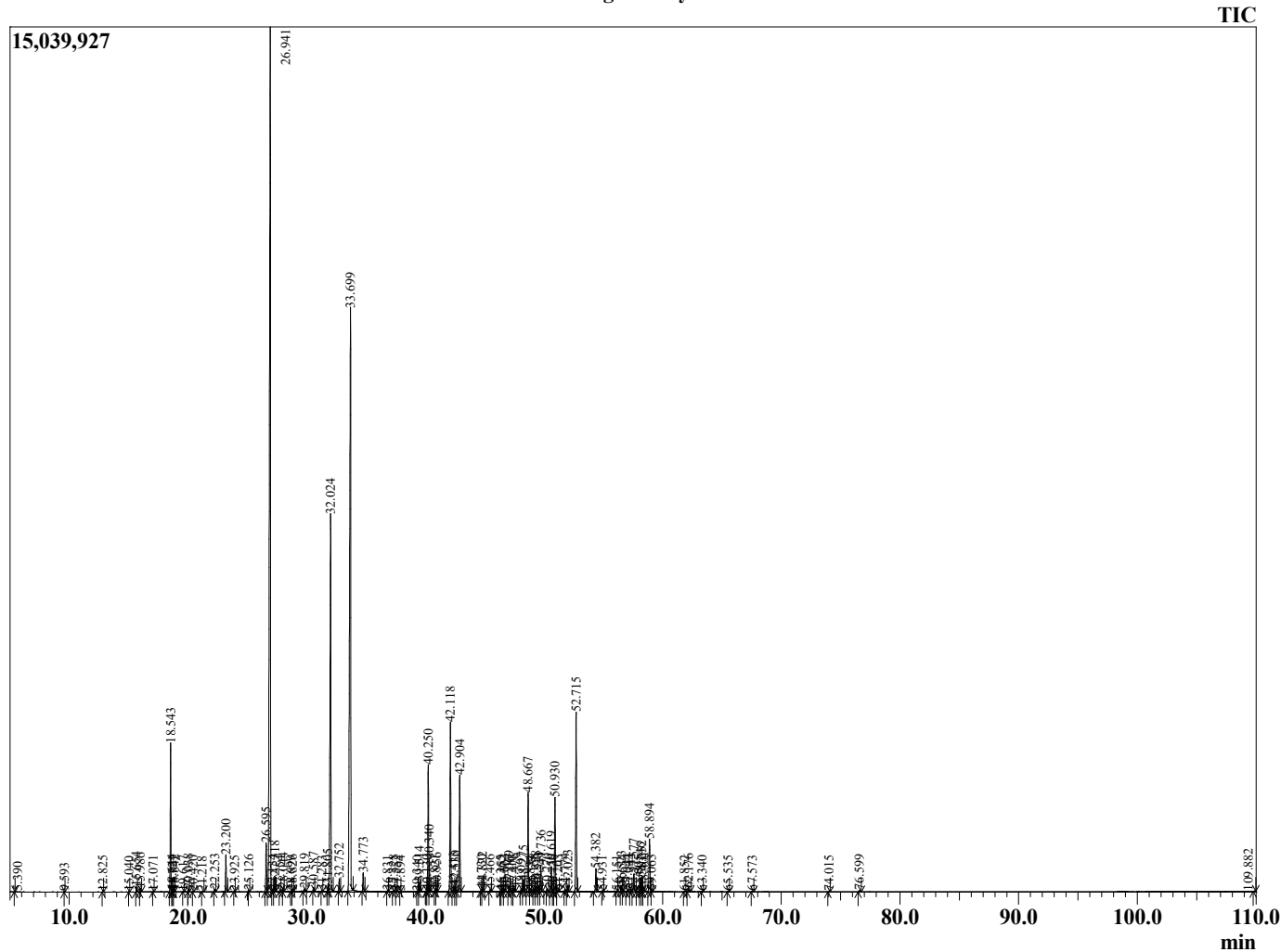
Sample Information

Analyzed by : T. Wortham
 Analyzed : 4/22/2022 3:21:03 AM
 Sample Type : Essential Oil
 Sample Name : CymWin2
 Injection Volume : 0.10 µL
 Lot Number : K0F0328W [5-7]
 Instrument ID : GC-3

Peak Report TIC

R.Time	Name	Area%
4.193	3-Methylbutanal	0.01
4.306	2-Methylbutanal	0.01
5.390	Isoamyl alcohol	0.01
9.593	1-Isopropyl-3-methylcyclopentane	0.01
12.825	alpha-Pinene	0.01
15.040	Sabinene	0.01
15.654	6-Methyl hept-5-en-2-one	0.10
15.986	Myrcene	0.07
17.071	alpha-Phellandrene	0.01
18.543	Limonene	3.03
18.644	beta-Phellandrene	0.04
18.721	Unidentified isomer 1	0.02
18.842	Unidentified isomer 1	0.03
19.617	trans-beta-Ocimene	0.01
20.038	2,6-Dimethyl-5-heptenal (Melonal)	0.05
20.420	gamma-Terpinene	0.01
21.218	Octanol	0.02
22.253	Terpinolene	0.05
23.200	Linalool	0.82
23.925	trans-Rose oxide	0.01
25.126	Unidentified	0.03
26.595	Isopulegol	1.13
26.941	Citronellal	30.97
27.134	Menthone	0.05
27.318	Neoisopulegol	0.42
27.754	Isomenthone	0.02
28.044	Isoisopulegol	0.07
28.699	Neoisoisopulegol	0.01
28.826	Terpinen-4-ol	0.03
29.819	alpha-Terpineol	0.07
30.587	Decanal	0.10
31.283	Lavandulol	0.01
31.805	Nerol	0.17
32.024	Citronellol	10.99
32.752	Neral	0.28
33.699	Geraniol	22.26
34.773	Geranial	0.43
36.831	Geranyl formate	0.02
37.328	Citronellic acid	0.03
37.552	4-Vinyl guaiacol	0.01
37.894	Citriodiol isomer	0.01
39.340	delta-Elemene	0.01
39.514	Citriodiol isomer	0.23
40.130	alpha-Copaene	0.02
40.250	Citronellyl acetate	3.19
40.340	Eugenol	0.59
40.821	Neryl acetate	0.02
40.956	Citriodiol isomer	0.06
42.118	Geranyl acetate	4.22
42.413	Elemene isomer	0.12
42.530	beta-Bourbonene	0.13
42.904	beta-Elemene	2.96
44.730	Unidentified	0.04
44.822	beta-Caryophyllene	0.10
45.466	beta-Copaene	0.05
46.365	Unidentified	0.01
46.452	Cadina-3,5-diene	0.06
46.663	trans-Murrola-3,5-diene	0.05
47.069	alpha-Humulene	0.13
47.310	cis-Cadina-1(6),4-diene	0.01
47.476	cis-Muurolo-4(14),5-diene	0.07
48.097	10-beta-H-Cadina-1(6),4-diene	0.10

Chromatogram CymWin2



R.Time	Name	Area%
48.275	trans-Cadina-1(6),4-diene	0.27
48.667	Germacrene D	2.55
48.834	Selina-4,11-diene	0.02
49.158	beta-Selinene	0.06
49.328	trans-Muurolo-4(14),5-diene	0.13
49.571	alpha-Selinene	0.16
49.736	alpha-Muuroloene	0.66
50.270	Unidentified	0.07
50.619	gamma-Cadinene	0.65
50.736	Cubebol	0.04
50.930	delta-Cadinene	2.52
51.203	Zonarene	0.04
51.774	trans-Cadina-1,4-diene	0.05
52.023	alpha-Cadinene	0.16
52.715	Elemol	4.71
54.382	Germacren D-4-ol	0.60
54.931	Unidentified	0.02
56.151	5-eepi-7-epi-alpha-Eudesmol	0.01
56.523	Unidentified	0.14
56.634	1,10-di-Epicubenol	0.03
57.044	10-epi-gamma-Eudesmol	0.05
57.344	1-Epicubenol	0.05
57.577	gamma-Eudesmol	0.50
58.005	Unidentified	0.02
58.146	tau-Cadinol	0.36
58.252	epi-alpha-Cadinol	0.43
58.401	delta-Cadinol	0.11
58.894	alpha-Cadinol	1.73
59.063	Unidentified	0.03
61.852	(2E,6Z)-Farnesal	0.01
62.176	(2E,6E)-Farnesol	0.08
63.340	(2E,6E)-Farnesal	0.02
65.535	Unidentified	0.01
67.573	Cryptomeridiol	0.03
74.015	Geranyl octanoate	0.01
76.599	Unidentified	0.04
109.882	Unidentified	0.02
		100.00