



Artisan Aromatics
1708 Lena Street, #103
Santa Fe, NM 87505
(505) 231-9439

SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

Product: Certified Organic Lemongrass Oil

Version: 2

1. IDENTIFICATION

Product Identifier

Product identifier: NOP Lemongrass EO, Cymbopogon flexuosus <NOP Certified Organic>; CAS: 8007-02-1

Other identifiers: Certified Organic Lemongrass Oil COCymFle7 Cymbopogon flexuosus

Recommended use of the chemical and restrictions on use

Product uses: Essential Oil

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 danger: Flammable Liquid, Hazard Category 4
Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 1

Sensitization - Skin Category 1B

Signal word: Danger

Hazard statements: Combustible liquid.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.

M factor: None

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Pictograms:



Precautionary statements:

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 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.
Immediately call a POISON CENTER or doctor/physician.
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.
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: NOP Lemongrass EO, Cymbopogon flexuosus <NOP Certified Organic>; CAS: 8007-02-1

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Contains:

Name	CAS	%	GHS Classification
Citral	5392-40-5	50-100%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1; H315-H317-H319
d-Limonene	5989-27-5	10-<20%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
Geraniol	106-24-1	5-<10%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1; H315-H317-H318
Geranyl acetate	105-87-3	1-<5%	Skin Irrit. 2-Skin Sens. 1;H315-H317
Linalool	78-70-6	1-<5%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
beta-Caryophyllene	87-44-5	1-<5%	Skin Sens. 1B-Asp. Tox 1;H304-H317
p-Mentha-1,4-diene	99-85-4	1-<5%	Flam. Liq. 3-Asp. Tox 1;H226-H304
alpha-Pinene	80-56-8	1-<5%	Flam. Liq. 3-Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H302-H304-H315-H317
beta-Pinene	127-91-3	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
Citronellal	106-23-0	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Eucalyptol	470-82-6	0.1-<1%	Flam. Liq. 3-Skin Sens. 1B;H226-H317
Terpinolene	586-62-9	0.1-<1%	Flam. Liq. 4-Skin Sens. 1B-Asp. Tox 1; H227-H304-H317
Citronellol	1117-61-9, 26489-01-0, 6812-78-8, 141-25-3, 68916-43-8, 7540-51-4, 106-22-9	0.1-<1%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
Nerol	106-25-2	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B; H315-H317-H319
trans-Isoeugenol	5932-68-3	0.1-<1%	Acute Tox. 4-Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1A-STOT SE 3;H302-H312-H315-H317-H319-H332-H335

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: Rinse mouth with water and obtain medical attention.

Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

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

Treat symptomatically

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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

No information available

Exposure controls

Engineering measures

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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:	160 °F / 71 °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
Viscosity:	Not determined
<u>Other information:</u>	None available

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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	>5000
Acute Toxicity Dermal	3103
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 1B
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
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:	Based on available data the classification criteria are not met.

Additional Information

None available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life with long lasting effects.

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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. (d-Limonene, alpha-Pinene)	9	-	III
US DOT	None	-			-
US DOT (Bulk)	None	-			-
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene, alpha-Pinene) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene, alpha-Pinene)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-Limonene, alpha-Pinene)	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

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

Not applicable

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15. REGULATORY INFORMATION

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

RIFM ID Number: 221-E2.12

LM Unique Identifier: LM1764

Additional information

None additional

16. OTHER INFORMATION

Key to revisions:

Product identifier

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.

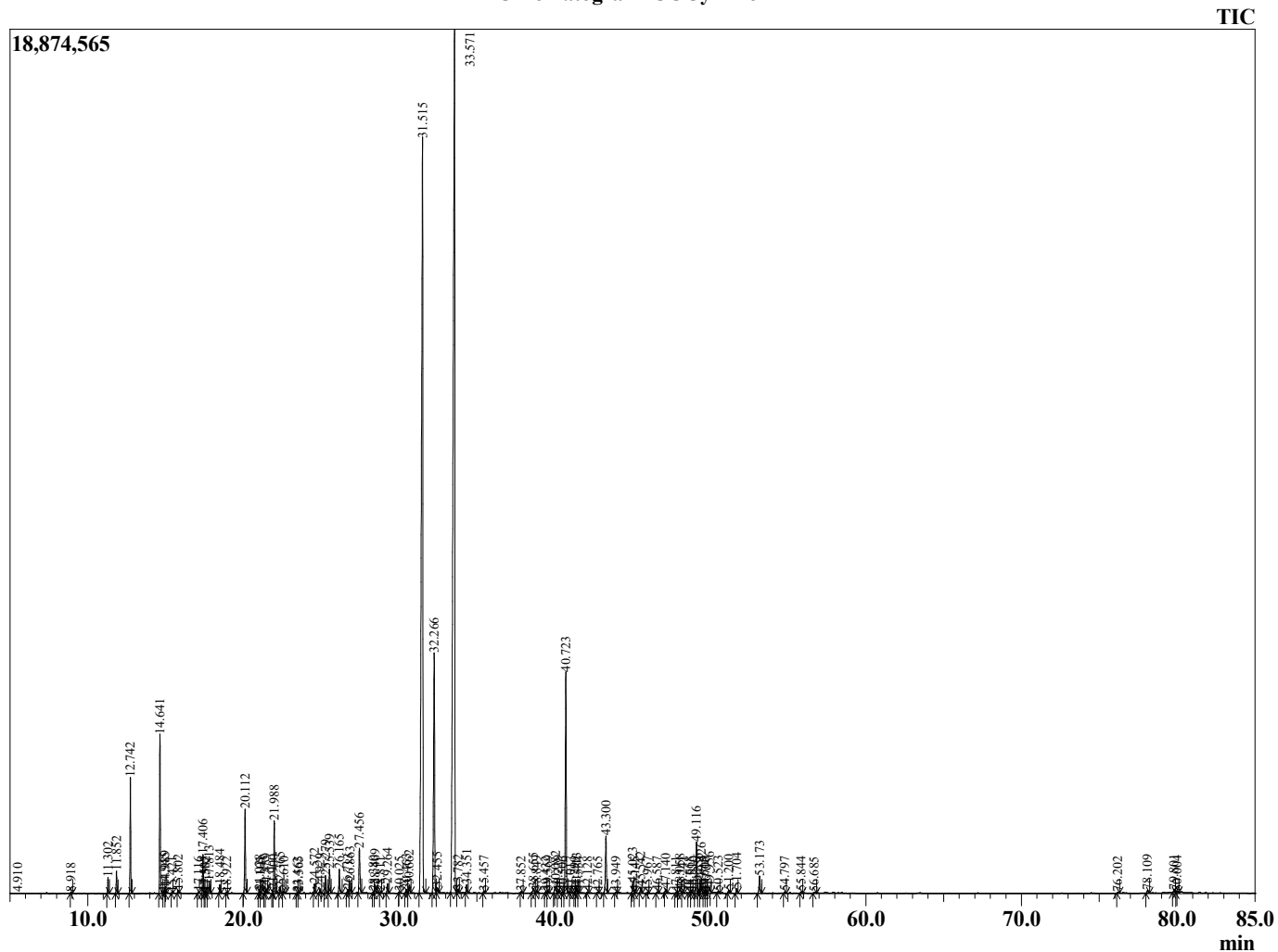
Sample Information

Analyzed by : T. Wortham
 Analyzed : 7/25/2022 5:15:05 PM
 Sample Type : Essential Oil
 Sample Name : COCymFle7
 Injection Volume : 0.10 µL
 Lot Number : G1F0725X
 Instrument : GC-2

Peak Report TIC

R.Time	Name	Area%
3.413	2-Methyl 3-buten-2-ol	0.05
3.821	3-Methylbutanal	0.01
3.922	2-Methylbutanal	0.01
4.910	Isoamyl alcohol	0.01
8.918	Butyrene	0.02
11.302	Tricyclene	0.27
11.852	alpha-Pinene	0.39
12.742	Samphene	2.06
14.641	6-Methyl hept-5-en-2-one	2.97
14.945	Myrcene	0.08
14.989	dehydro-1,8-Cineole	0.13
15.421	trans-Dehydroxylinalool oxide	0.02
15.802	Octanal	0.05
17.116	para-Cymene	0.03
17.406	Limonene	0.77
17.505	beta-Phellandrene	0.02
17.582	1,8-Cineole	0.03
17.813	cis-beta-Ocimene	0.25
18.484	trans-beta-Ocimene	0.18
18.922	2,6-Dimethyl-5-heptenal (Melonal)	0.02
20.112	4-Nonanone	1.79
21.028	Terpinolene	0.07
21.105	trans-Linalool oxide (furanoid)	0.01
21.375	4-Nonanol	0.04
21.459	Rosefuran	0.10
21.900	Perillene	0.06
21.988	Linalool	1.59
22.365	alpha-Pinene oxide	0.15
22.610	Unidentified	0.04
23.462	trans-para-Mentha-2,8-dienol	0.02
23.565	Unidentified	0.03
24.572	Epiphotocitral A	0.21
24.929	exo-Isocitral	0.11
25.279	trans-Chrysanthemal	0.40
25.539	Citronellal	0.54
26.165	Isoneral	0.55
26.713	Rose furan oxide	0.09
26.863	Borneol	0.27
27.456	Isogeranial	1.17
28.380	Unidentified	0.04
28.469	alpha-Terpineol	0.22
28.811	cis-Piperitol	0.03
29.264	Decanal	0.22
30.025	trans-Piperitol	0.02
30.463	Nerol	0.10
30.662	Citronellol	0.20
31.515	Neral	28.11
32.266	Geraniol	6.53
32.455	Piperitone	0.14
33.571	Geranial	37.49
33.782	4-Undecanone	0.07
34.351	trans-Carvone oxide	0.20
35.457	Geranyl formate	0.05
37.852	Yomogi alcohol	0.04
38.655	Geranic acid	0.16
38.849	Citronellyl acetate	0.06
39.432	Neryl acetate	0.04
39.569	Unidentified	0.05
40.082	Isoledene	0.26
40.229	Unidentified	0.04
40.506	alpha-Copaene	0.03
40.723	Geranyl acetate	5.48

Chromatogram COCymFle7



R.Time	Name	Area%
41.017	beta-Bourbonene	0.03
41.299	beta-Cubebene	0.03
41.413	beta-Elemene	0.12
41.534	Sativene	0.02
42.128	Methyleugenol	0.02
42.765	Dodecanal	0.02
43.300	beta-Caryophyllene	1.50
43.949	beta-Copaene	0.03
45.023	trans-Isoeugenol	0.26
45.145	Cadina-3,5-diene	0.04
45.542	alpha-Humulene	0.15
45.967	cis-Cadina-1(6),4-diene	0.02
46.587	10-beta-H-Cadina-1(6),4-diene	0.03
47.140	Germacrene D	0.09
47.811	trans-Muurolo-4(14),5-diene	0.03
48.058	Unidentified	0.16
48.241	alpha-Muuroloene	0.04
48.668	alpha-Chamigrene	0.03
48.816	Cuparene	0.03
49.116	gamma-Cadinene	1.36
49.236	Cubebol	0.10
49.426	delta-Cadinene	0.38
49.615	trans-Calamenene	0.03
49.700	Unidentified	0.03
49.956	(E)-gamma-Bisabolene	0.23
50.523	alpha-Cadinene	0.05
51.200	Elemol	0.09
51.704	Geranyl butyrate	0.12
53.173	Caryophyllene oxide	0.47
54.797	Humulene epoxide II	0.04
55.844	1-Epicubenol	0.04
56.685	Unidentified	0.04
76.202	Unidentified	0.03
78.109	Unidentified	0.07
79.801	Thiogeraniol	0.07
80.004	Unidentified	0.04
		100.00