



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

## SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Lemon Verbena Oil, France

**Version:** 1

### 1. IDENTIFICATION

#### Product Identifier

**Product identifier:** Lemon Verbena Oil, France; CAS: 8024-12-2

**Other identifiers:** Lemon Verbena Oil, France LipCit2 Lippia citriodora

#### 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  
hello@artisanaromatics.com

**E-Mail address:**

**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 2

Sensitization - Skin Category 1

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 irritation.

**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 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.  
Do not induce vomiting.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: 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:** Lemon Verbena Oil, France; CAS: 8024-12-2



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**Contains:**

Name	CAS	%	GHS Classification
Citral	5392-40-5	20-<50%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1; H315-H317-H319
Limonene	138-86-3	20-<50%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B- Asp. Tox 1;H226-H304-H315-H317
beta-Caryophyllene	87-44-5	1-<5%	Skin Sens. 1B-Asp. Tox 1;H304-H317
Eucalyptol	470-82-6	1-<5%	Flam. Liq. 3-Skin Sens. 1B;H226-H317
alpha-Terpineol	98-55-5	1-<5%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A; H227-H315-H319
trans beta-Ocimene	3779-61-1	1-<5%	Skin Irrit. 2-Asp. Tox 1;H304-H315
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
Geraniol	106-24-1	0.1-<1%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1; H315-H317-H318
Geranyl acetate	105-87-3	0.1-<1%	Skin Irrit. 2-Skin Sens. 1;H315-H317
Nerol	106-25-2	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B; H315-H317-H319
trans-Nerolidol	40716-66-3	0.1-<1%	Eye Irrit. 2B-Skin Sens. 1B;H317-H320
Linalool	78-70-6	0.1-<1%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-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	0.1-<1%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319

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 irritation.

**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

<b>Appearance:</b>	Not determined
<b>Odor:</b>	Not determined
<b>Odor threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	156 °F / 69 °C
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Product does not present an explosion hazard
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Solubility(ies):</b>	Not determined
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b><u>Other information:</u></b>	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**

<b>Acute Toxicity:</b>	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	4885
Acute Toxicity Inhalation	Not Available
<b>Skin corrosion/irritation:</b>	Skin Corrosion / Irritation Category 2
<b>Serious eye damage/irritation:</b>	Eye Damage / Irritation Category 2
<b>Respiratory or skin sensitisation:</b>	Sensitization - Skin Category 1
<b>Germ cell mutagenicity:</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity:</b>	Based on available data the classification criteria are not met.
<b>STOT-single exposure:</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard:</b>	

**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:
<b>UN Model Regulations</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Limonene, alpha-Pinene)	9	-	III
<b>US DOT</b>	None	-			-
<b>US DOT (Bulk)</b>	None	-			-
<b>IMDG</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Limonene, alpha-Pinene) MARINE POLLUTANT	9	-	III
<b>ADR,RID,ADN</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Limonene, alpha-Pinene)	9	-	III
<b>ICAO TI</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (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**

None additional

#### **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.



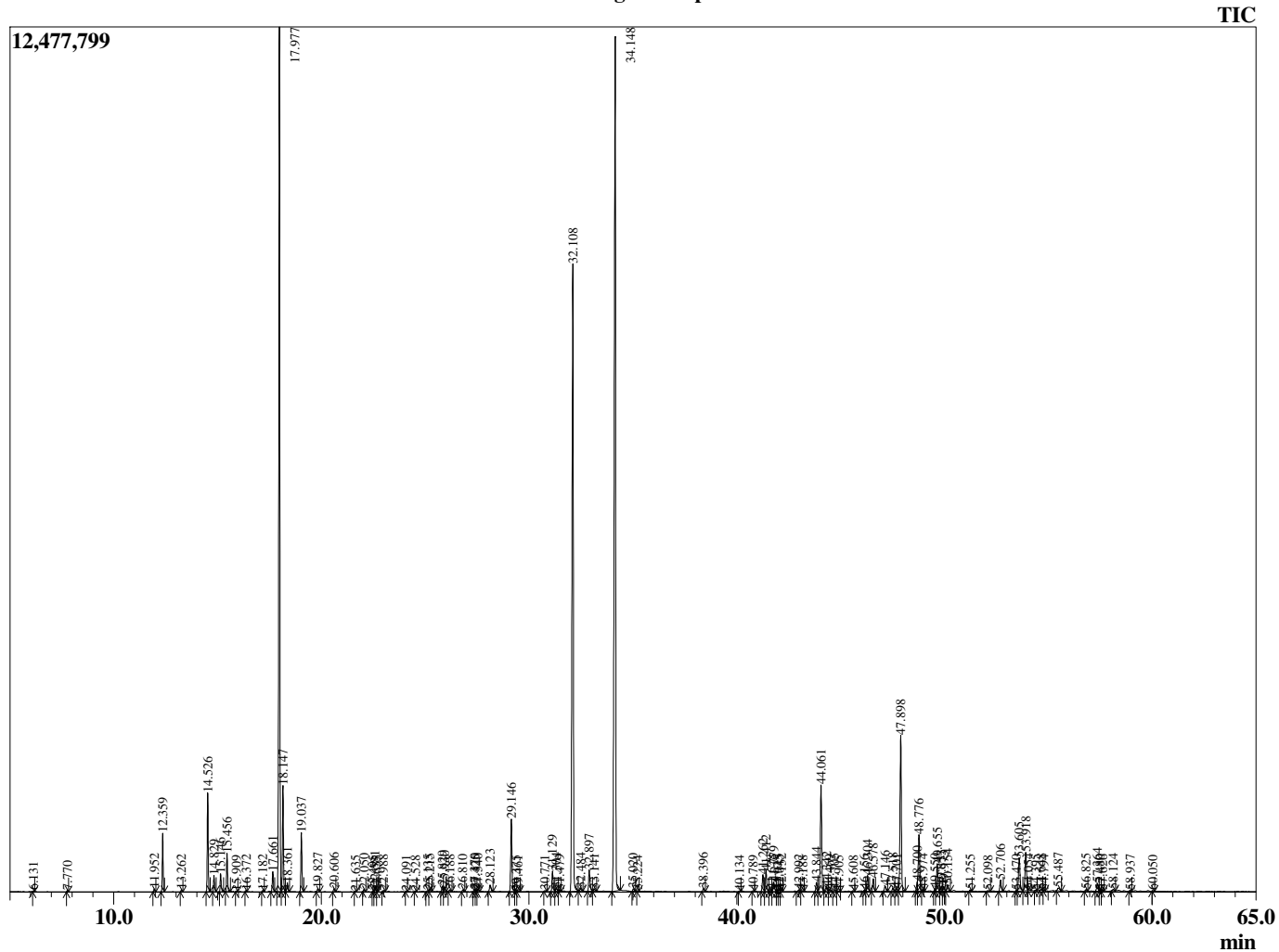
Sample Information

Analyzed by : A. Mattingly  
 Analyzed : 3/31/2021 2:08:31 AM  
 Sample Type : Essential Oil  
 Sample Name : LipCit2  
 Injection Volume : 0.10  
 Lot Number : H0E0330E  
 Instrument ID : GC-4

Peak Report TIC

R.Time	Name	Area%
3.642	2-Methyl-3-buten-2-ol	0.01
6.131	Methyl 2-methylbutyrate	0.01
7.770	Unidentified	0.02
11.952	alpha-Thujene	0.06
12.359	alpha-Pinene	1.13
13.262	Camphene	0.04
14.526	Sabinene	2.06
14.829	beta-Pinene	0.37
15.146	6-Methyl hept-5-en-2-one	0.41
15.456	Myrcene	0.84
15.909	3-Octanol	0.02
16.372	Pseudolimonene	0.03
17.182	alpha-Terpinene	0.03
17.661	para-Cymene	0.47
17.977	Limonene	20.88
18.147	1,8-Cineole	2.41
18.361	(Z)-beta-Ocimene	0.21
19.037	(E)-beta-Ocimene	1.34
19.827	gamma-Terpinene	0.08
20.606	trans-Sabinene hydrate	0.07
21.635	Terpinolene	0.02
22.050	Rosefuran	0.06
22.495	Perillene	0.02
22.581	Linalool	0.14
22.655	cis-Sabinene hydrate	0.01
22.988	alpha-Pinene oxide	0.03
24.091	trans-para-Mentha-2,8-dienol	0.01
24.528	allo-Ocimene	0.02
25.135	cis-Limonene oxide	0.04
25.215	Epiphocitral A	0.08
25.829	Camphor	0.14
25.930	trans-Chrysanthemal	0.13
26.188	Citronellal	0.05
26.810	Isoneral	0.05
27.370	Isoborneol	0.06
27.425	delta-Terpineol	0.04
27.540	Borneol	0.06
28.123	Isogeranial + Terpinen-4-ol	0.23
29.146	alpha-Terpineol	2.01
29.375	Unidentified	0.02
29.461	Unidentified	0.03
30.771	trans-Carveol	0.02
31.129	Nerol	0.58
31.304	Citronellol	0.11
31.479	Isogeraniol	0.04
32.108	Neral	18.70
32.484	Carvone	0.10
32.897	Geraniol	0.63
33.141	Piperitone	0.07
34.148	Geranial	27.36
35.020	trans-Carvone oxide	0.07
35.224	Bornyl acetate	0.01
38.396	delta-Elementene	0.09
40.134	Neryl acetate	0.02
40.789	Cyclosativene	0.02
41.262	alpha-Copaene	0.48
41.412	Geranyl acetate	0.59
41.678	alpha-Duprezianene	0.05
41.779	beta-Bourbonene	0.33
41.975	Unidentified	0.02
42.045	Unidentified	0.04
42.152	beta-Elementene	0.06

Chromatogram LipCit2



R.Time	Name	Area%
42.992	Unidentified	0.05
43.188	Unidentified	0.02
43.844	alpha-Cedrene	0.27
44.061	trans-beta-Caryophyllene	3.29
44.342	beta-Cedrene	0.15
44.469	Unidentified	0.06
44.705	beta-Copaene	0.06
44.905	trans-alpha-Bergamotene	0.02
45.608	Unidentified	0.02
46.156	(E)-beta-Farnesene	0.04
46.304	alpha-Humulene	0.46
46.578	Alloaromodendrene	0.38
47.146	Unidentified	0.17
47.518	trans-Cadina-1(6),4-diene	0.09
47.701	gamma-Curcumene	0.07
47.898	Ar-Curcumene	4.65
48.700	alpha-Zingiberene	0.18
48.776	Bicyclogermacrene	1.82
48.974	alpha-Murolene	0.05
49.550	beta-Bisabolene	0.06
49.655	beta-Curcumene	0.84
49.853	gamma-Cadinene	0.16
49.973	Cubebol	0.15
50.154	delta-Cadinene	0.20
51.255	Unidentified	0.05
52.098	Unidentified	0.03
52.706	(E)-Nerolidol	0.35
53.470	Unidentified	0.03
53.605	Spathulenol	1.12
53.918	Caryophyllene oxide	1.29
54.054	Unidentified	0.05
54.395	Unidentified	0.02
54.648	Unidentified	0.03
54.794	Funebrol	0.01
55.487	Cedrol	0.14
56.825	Unidentified	0.05
57.364	tau-Cadinol	0.27
57.480	epi-alpha-Cadinol	0.03
57.626	delta-Cadinol	0.03
58.124	alpha-Cadinol	0.06
58.937	Unidentified	0.02
60.050	Unidentified	0.01
		100.00