

## SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Sweet Basil Oil ct. linalool, USA

**Version:** 1

### 1. IDENTIFICATION

#### Product Identifier

**Product identifier:** Sweet Basil Oil ct. linalool, USA; CAS: 84775-71-3

**Other identifiers:** Ocimum basilicum L.

#### 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 2A

Sensitization - Skin Category 1B

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 irritation.  
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.  
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

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**Contains:**

Name	CAS	%	GHS Classification
Linalool	78-70-6	50-100%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Eucalyptol	470-82-6	5-<10%	Flam. Liq. 3-Skin Sens. 1B;H226-H317
Eugenol	97-53-0	1-<5%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
beta-Caryophyllene	87-44-5	1-<5%	Skin Sens. 1B-Asp. Tox 1;H304-H317
dl-Camphor	21368-68-3	0.1-<1%	Flam. Liq. 4-Flam. Sol. 2-Acute Tox. 4-Acute Tox. 4-STOT SE 2;H227-H228-H302-H332-H371
Estragole	140-67-0	0.1-<1%	Flam. Liq. 4-Acute Tox. 4-Skin Sens. 1B-Muta. 2-Carc. 2;H227-H302-H317-H341-H351
Geraniol	106-24-1	0.1-<1%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1;H315-H317-H318
beta-Pinene	127-91-3	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
d-Limonene	5989-27-5	0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
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
Citral	5392-40-5	<0.1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1;H315-H317-H319
Geranyl acetate	105-87-3	<0.1%	Skin Irrit. 2-Skin Sens. 1;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 irritation.

Suspected of causing cancer (exposure route).

**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>	159 °F / 70.5 °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	2790 mg/kg
Acute Toxicity Dermal	Not Applicable
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 2A
<b>Respiratory or skin sensitisation:</b>	Sensitization - Skin Category 1B
<b>Germ cell mutagenicity:</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Carcinogenicity Category 2
<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:**

Harmful 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	None	-			-
US DOT	None	-			-
US DOT (Bulk)	None	-			-
IMDG	None	-			-
ADR,RID,ADN	None	-			-
ICAO TI	None	-			-

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:** Not environmentally hazardous for transport

**Special precautions for user:** None additional

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

Not classified

### 15. REGULATORY INFORMATION

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

RIFM ID Number: 5119-E2.12

LM Unique Identifier: LM1587

#### Additional information

None additional



**Artisan**  
AROMATICS

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### **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.



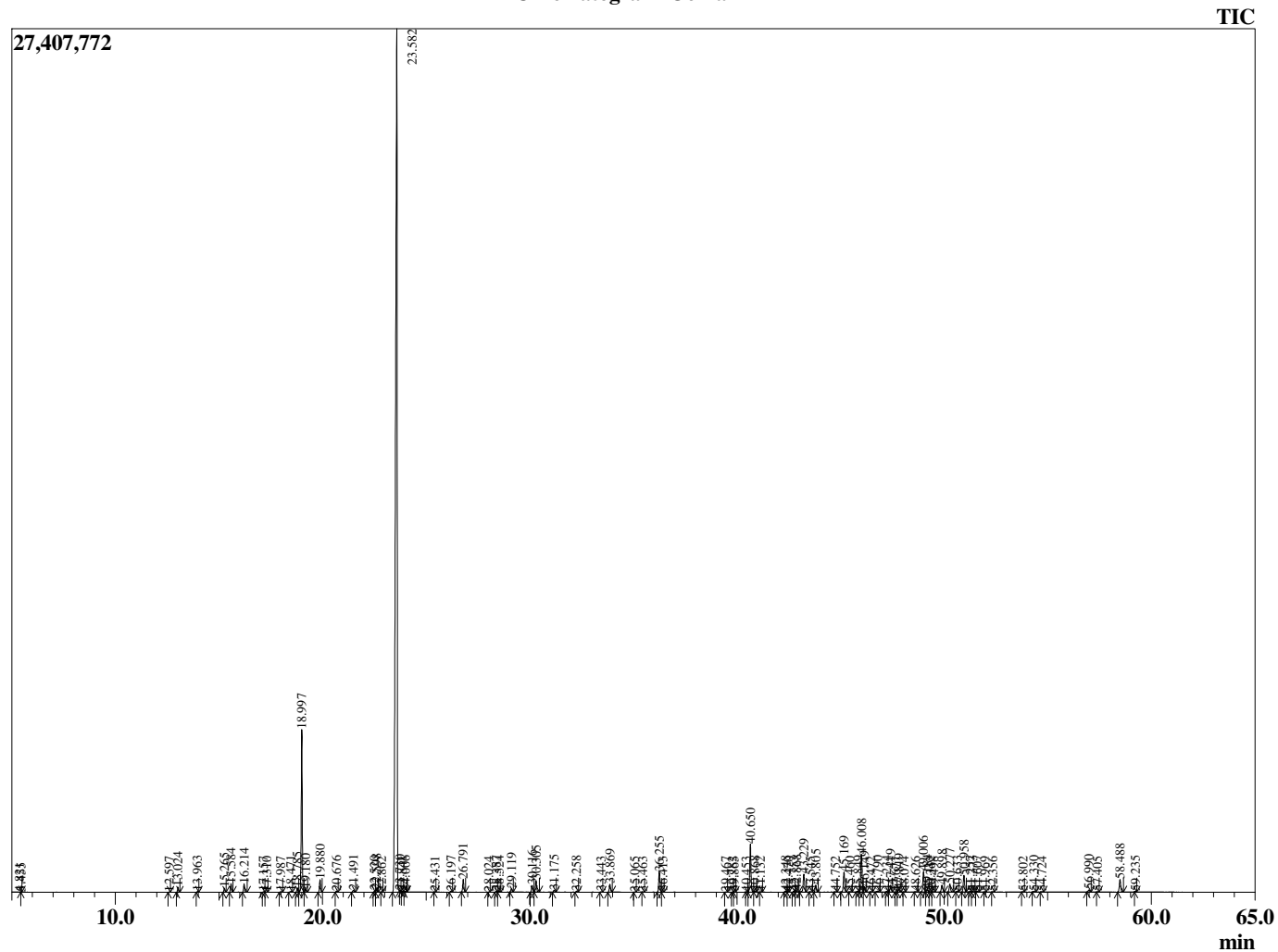
# Sample Information

Analyzed by : T. Wortham  
 Analyzed : 1/31/2020 9:46:50 AM  
 Sample Type : Essential Oil  
 Sample Name : OciBaL1  
 Injection Volume : 0.10  
 Lot Number : G0D0124E  
 Instrument ID : GC-3

# Peak Report TIC

R.Time	Name	Area%
4.234	3-Methylbutanal	0.01
4.346	2-Methylbutanal	0.01
4.821	2-Ethylfuran	0.00
5.455	1-Pentanol	0.00
12.597	alpha-Thujene	0.01
13.024	alpha-Pinene	0.22
13.963	Camphene	0.04
15.265	Sabinene	0.19
15.584	beta-Pinene	0.42
16.214	Myrcene	0.42
17.157	Unidentified	0.02
17.310	alpha-Phellandrene	0.01
17.987	alpha-Terpinene	0.04
18.471	para-Cymene	0.05
18.785	Limonene	0.23
18.997	1,8-cineole	8.46
19.180	cis-beta-Ocimene	0.17
19.880	trans-beta-Ocimene	0.65
20.676	gamma-Terpinene	0.06
21.491	trans-Sabinene hydrate	0.13
22.520	Terpinolene	0.07
22.598	trans-Linalool oxide (furanoid)	0.15
22.862	6,7-Epoxy myrcene	0.01
23.582	Linalool	69.28
23.730	Hotrienol	0.01
23.841	Unidentified	0.01
24.006	1-Octen-3-yl acetate	0.03
25.431	allo-Ocimene	0.01
26.197	trans-Myroxide	0.06
26.791	Camphor	0.71
28.024	Menthone	0.01
28.387	delta-Terpineol	0.06
28.524	Borneol	0.06
29.119	Terpinen-4-ol	0.20
30.116	alpha-Terpineol	0.40
30.305	Estragole	0.70
31.175	Octyl acetate	0.11
32.258	Citronellol	0.06
33.443	Carvone	0.02
33.869	Geraniol	0.47
35.065	Geranial	0.01
35.463	Citronellyl formate	0.01
36.255	Bornyl acetate	1.25
36.413	Isobornyl acetate	0.03
39.467	delta-Elementene	0.02
39.782	Unidentified	0.02
39.865	Unidentified	0.02
40.453	alpha-Cubebene	0.01
40.650	Eugenol	2.88
40.868	Unidentified	0.05
41.132	Unidentified	0.01
42.348	alpha-Copaene	0.08
42.470	Geranyl acetate	0.01
42.753	Elementene isomer	0.07
42.868	beta-Bourbonene	0.12
43.229	beta-Elementene	1.21
43.545	Unidentified	0.03
43.805	Methyleugenol	0.42
44.752	cis-alpha-Bergamotene	0.02
45.169	beta-Caryophyllene	1.34
45.460	beta-Cedrene	0.02
45.849	beta-Gurjunene	0.08

# Chromatogram OciBaL1



R.Time	Name	Area%
46.008	trans-alpha-Bergamotene	2.44
46.149	alpha-Guaiene	0.35
46.472	cis-beta-Farnesene	0.02
46.790	trans-Murrola-3,5-diene	0.08
47.234	trans-beta-Farnesene	0.04
47.419	alpha-Humulene	0.45
47.677	Unidentified	0.01
47.819	cis-Cadina-1(6),4-diene	0.18
48.074	alpha-Acoradiene	0.02
48.626	beta-Acoradiene	0.02
49.006	Germacrene D	1.33
49.184	Unidentified	0.16
49.342	10s,11s-Himachala-3(12),4-diene	0.01
49.498	beta-Selinene	0.03
49.898	Bicyclogermacrene	0.48
50.277	alpha-Bulnesene	0.56
50.633	beta-Bisabolene	0.06
50.958	gamma-Cadinene	1.07
51.257	delta-Cadinene	0.06
51.373	trans-Calamenene	0.07
51.607	beta-Sesquiphellandrene	0.07
51.969	Unidentified	0.01
52.356	alpha-Cadinene	0.02
53.802	trans-Nerolidol	0.02
54.330	Unidentified	0.05
54.724	Spathulenol	0.04
56.990	1-epi-Cubenol	0.14
57.405	Unidentified	0.01
58.488	alpha-Muurolol (=Torreyol)	0.87
59.235	Cubenol	0.03
		100.00