



---

# Safety Data Sheet

## Lemon Verbena Yankee Type Fragrance Oil

June 6th, 2023

### Section 1: Chemical Product and Company Identification

**Product name:** Lemon Verbena Yankee Type Fragrance Oil  
**Contact Info:** Bramble Berry Inc.  
2138 Humboldt Street  
Bellingham, WA 98225  
info@brambleberry.com  
www.brambleberry.com  
1-877-627-7883

**Emergency Phone Number:** Within USA & Canada: 1.800.424.9300 CCN693143  
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

### Section 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

#### Classification according to GHS

Flammable Liquids, Category 4	H227 : Combustible liquid
Acute Toxicity Oral, Category 5	H303 : May be harmful if swallowed
Acute Toxicity Dermal, Category 5	H313 : May be harmful in contact with skin
Skin Corrosion/Irritation, Category 2	H315 : Causes skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 1	H318 : Causes serious eye damage
Acute Toxicity Inhalation, Category 5	H333 : May be harmful if inhaled
Aquatic Chronic Toxicity, Category 2	H411 : Toxic to aquatic life with long lasting effects

#### Classification OSHA (Provisions 1910.1200 of title 29)

Flammable Liquids, Category 4	H227 : Combustible liquid
Skin Corrosion/Irritation, Category 2	H315 : Causes skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 1	H318 : Causes serious eye damage
Reproductive Toxicity, Category 2	H361 : Suspected of damaging fertility or the unborn child

#### Classification Other

Carcinogenicity This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [X] ACGIH [ ] IARC [ ] NTP [ ] OSHA [ ]

## 2.2 Label elements (GHS)

### Hazard pictograms



**Signal Word: Danger**

### Hazard statements

H227	Combustible liquid
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H333	May be harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H411	Toxic to aquatic life with long lasting effects

### Precautionary Statements

#### Prevention:

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P235	Keep cool
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P281	Use personal protective equipment as required

#### Response:

P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse



## BRAMBLE BERRY

HANDCRAFT PROVISIONS

P370 + P378

In case of fire: Use Carbon dioxide (CO<sub>2</sub>), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material

P391 Collect Spillage

### Section 3: Composition/Information on Ingredients

#### 3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

CAS# <i>Ingredient</i>	EC#	Conc. Range	GHS Classification
5392-40-5 Citral	226-394-6	10-20%	H313; H315; H317; H319; H401
120-51-4 Benzyl Benzoate	204-402-9	10-20%	H302; H313; H400; H411
60-12-8 phenethyl alcohol	200-456-2	5-10%	H302; H313; H316; H319
78-70-6 Linalool	201-134-4	5-10%	H227; H303; H315; H317; H319; H402
106-24-1 Geraniol	203-377-1	2-5%	H303; H315; H317; H318; H402
5989-27-5 Limonene	227-813-5	2-5%	H226; H304; H315; H317; H400; H412
68737-61-1 Dimethyltetrahydro Benzaldehyde	272-113-5	2-5%	H227; H303; H313; H315; H317; H401; H411
2050-08-0 Amyl salicylate	218-080-2	2-5%	H302; H400; H410
106-25-2 Nerol	203-378-7	2-5%	H303; H315; H317; H319; H401
140-11-4 Benzyl acetate	205-399-7	1-2%	H303; H401; H412
2216-51-5 l-Menthol	218-690-9	1-2%	H303; H315; H320; H333; H402
89-82-7 Pulegone (Natural Source)	201-943-2	1-2%	H227; H302; H313; H316; H402
107-75-5 Hydroxycitronellal	203-518-7	1-2%	H317; H319; H402
87-44-5 Beta-Caryophyllene	201-746-1	1-2%	H304; H317
98-55-5 Terpineol	202-680-6	1-2%	H227; H303; H315; H319; H401
93-92-5 methylbenzyl acetate	202-288-5	1-2%	H227; H402
6259-76-3 Hexyl salicylate	228-408-6	1-2%	H316; H317; H400; H410
106-23-0	203-376-6	0.1-1.0%	H227; H303; H313; H315; H317; H319;



## BRAMBLE BERRY

HANDCRAFT PROVISIONS

Citronellal			H401
470-82-6 Eucalyptol	207-431-5	0.1-1.0%	H226; H303; H317; H320; H402
10458-14-7 Menthone (isomer unspecified)	233-944-9	0.1-1.0%	H227; H303; H315; H317; H402; H412
106-22-9 Citronellol	203-375-0	0.1-1.0%	H303; H313; H315; H317; H319; H401
115-95-7 Linalyl Acetate	204-116-4	0.1-1.0%	H227; H315; H317; H320; H402
80-56-8 pinene	201-291-9	0.1-1.0%	H226; H302; H304; H315; H317; H400; H410
127-91-3 beta Pinene	204-872-5	0.1-1.0%	H226; H304; H315; H317; H400; H410
99-85-4 gamma-Terpinene	202-794-6	0.1-1.0%	H226; H303; H304; H316; H361
105-85-1 Citronellyl formate	203-338-9	0.1-1.0%	H315; H317; H401
6485-40-1 l-Carvone	229-352-5	0.1-1.0%	H227; H303; H313; H317; H401

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 5.76

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

**Eye Exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**Skin Exposure:** Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

**Ingestion:** Rinse mouth with water and obtain medical advice.

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

**Symptoms:** no data available

**Risks:** Refer to Section 2.2 "Hazard Statements"

### 4.3 Indication of any immediate medical attention and special treatment needed Treatment:

Refer to Section 2.2 "Response"

## Section 5: Fire-Fighting Measures

### 5.1 Extinguishing media

**Suitable:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam



## BRAMBLE BERRY

HANDCRAFT PROVISIONS

**Unsuitable:** Do not use a direct water jet on burning material

---

### **5.2 Special hazards arising from the substance or mixture**

During fire fighting: Water may be ineffective

### **5.3 Advice for firefighters**

Further information: Standard procedure for chemical fires

## **Section 6: Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

### **6.2 Environmental precautions**

Keep away from drains, soil, and surface and groundwater.

### **6.3 Methods and materials for containment and cleaning up**

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

### **6.4 Reference to other sections**

Not Applicable

## **Section 7: Handling and Storage**

### **7.1 Precautions for safe handling**

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat or smoke while handling. Respect good personal hygiene.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Avoid uncoated metal container. Keep air contact to a minimum.

### **7.3 Specific end uses**

No information available

## **Section 8: Exposure Controls/Personal Protection**

### **8.1 Control parameters**



## BRAMBLE BERRY

HANDCRAFT PROVISIONS

### Exposure Limits:

Component		ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
140-11-4	<i>Benzyl acetate</i>	10			
80-56-8	<i>pinene</i>	20			
127-91-3	<i>beta Pinene</i>	20			

**Engineering Controls:** Use local exhaust as needed.

### 8.2 Exposure controls - Personal protective equipment

**Eye protection:** Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

**Respiratory protection:** Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

**Skin protection:** Avoid Skin contact. Use chemically resistant gloves as needed.

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Liquid

**Odor:** Conforms to Standard

**Color:** Conforms to Standard

**Viscosity:** Liquid

**Freezing Point:** Not determined

**Boiling Point:** Not determined

**Melting Point:** Not determined

**Flashpoint (CCCFP):** 189°F (87.22°C)

**Auto flammability:** Not determined

**Explosive Properties:** None Expected

**Oxidizing properties:** None Expected

**Vapor Pressure (mmHg@20°C):** 0.0896

**%VOC:** 11.81

**Specific Gravity @ 25°C:** Not determined

**Density @ 25°C:** Not determined

**Refractive Index @ 20°C:** Not determined

**Soluble in:** Oil

## Section 10: Stability and Reactivity

<b>Reactivity</b>	None
<b>Chemical stability</b>	Stable



## BRAMBLE BERRY

HANDCRAFT PROVISIONS

---

<b>Possibility of hazardous reactions</b>	None known
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Strong oxidizing agents, strong acids, and alkalis
<b>Hazardous decomposition products</b>	None known

---

## Section 11: Toxicological Information

### 11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

<b>Acute toxicity - Oral - (Rat) mg/kg</b>	(LD50: 3245.6963) May be harmful if swallowed
<b>Acute toxicity - Dermal - (Rabbit) mg/kg</b>	(LD50: 3356.5979) May be harmful in contact with skin
<b>Acute toxicity - Inhalation - (Rat) mg/L/4hr</b>	(LD50: 106.5771) May be harmful if inhaled
<b>Skin corrosion / irritation:</b>	Causes skin irritation
<b>Serious eye damage / irritation:</b>	Causes serious eye damage
<b>Respiratory sensitization:</b>	Not classified - the classification criteria are not met
<b>Skin sensitization:</b>	May cause an allergic skin reaction
<b>Germ cell mutagenicity:</b>	Not classified - the classification criteria are not met
<b>Carcinogenicity:</b>	Not classified - the classification criteria are not met
<b>Reproductive toxicity:</b>	Suspected of damaging fertility or the unborn child
<b>Specific target organ toxicity - single exposure:</b>	Not classified - the classification criteria are not met
<b>Specific target organ toxicity - repeated exposure:</b>	Not classified - the classification criteria are not met
<b>Aspiration hazard:</b>	Not classified - the classification criteria are not met

## Section 12: Ecological Information

### 12.1 Toxicity

**Acute aquatic toxicity:** Not classified - the classification criteria are not met

**Chronic aquatic toxicity:** Toxic to aquatic life with long lasting effects.

**Toxicity Data on soil:** No data available.

**Toxicity on other organisms:** No data available.

**12.2 Persistence and degradability:** No data available.

**12.3 Bioaccumulative potential:** No data available.

**12.4 Mobility in soil:** No data available.

**12.5 Other adverse effects:** No data available.

## Section 13: Disposal Conditions

### 13.1 Waste treatment methods

Do not allow product to reach sewage systems. Dispose of in accordance with all local and national regulations. Send to a licensed waste management company. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

## Section 14: Transport Information

**Marine Pollutant** Yes. Ingredient of greatest environmental impact:  
 2050-08-0 : (2-5%) : Amyl salicylate

Regulator	Class	Pack Group	Sub Risk	UN-nr.
<b>U.S. DOT (Non-Bulk)</b> Chemicals NOI	Not Regulated – Not Dangerous Goods			
<b>ADR/RID (International Road/Rail)</b> Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
<b>IATA (Air Cargo)</b> Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
<b>IMDG (Sea)</b> Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082

## Section 15: Regulatory Information

### U.S. Federal Regulations:

**TSCA (Toxic Substance Control Act):** All components of the substance/mixture are listed or exempt.

**40 CFR (EPCRA, SARA, CERCLA and CAA):** This product contains NO components of concern.

### U.S. State Regulations:

**California Proposition 65 Warning:** This product contains the following components:

89-82-7	201-943-2	1-2%	Pulegone (Natural Source_
123-35-3(NF	204-622-5	0.1-1.0%	beta-Myrcene (Natural Source)

### Canadian Regulations:

**DSL / NDSL:** 100.00% of the components are listed or exempt.





## BRAMBLE BERRY

HANDCRAFT PROVISIONS

### Section 16: Other Information

---

#### GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour	H302 : Harmful if swallowed
H304 : May be fatal if swallowed and enters airways	H316 : Causes mild skin irritation
H317 : May cause an allergic skin reaction	H319 : Causes serious eye irritation
H320 : Causes 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	H412 : Harmful to aquatic life with long lasting effects

#### Total Fractional Values

##### (TFV) Risk

(134.17) Sensitization, Skin, Category 1  
(46.91) Acute Toxicity Inhalation, Category 5

##### (TFV) Risk

(134.17) Sensitization, Skin, Category 1A  
(22.44) Aquatic Chronic Toxicity, Category 3

(8.32) Eye Damage/Eye Irritation, Category 2  
(5.07) Sensitization, Skin, Category 1B  
(3.83) Skin Corrosion/Irritation, Category 2  
(1.62) Eye Damage/Eye Irritation, Category 1  
(1.49) Acute Toxicity Dermal, Category 5  
(1.01) Aquatic Chronic Toxicity, Category 4

(8.09) Eye Damage/Eye Irritation, Category 2A  
(4.84) Skin Corrosion/Irritation, Category 3  
(2.22) Aquatic Chronic Toxicity, Category 2  
(1.54) Acute Toxicity Oral, Category 5  
(1.37) Reproductive Toxicity, Category 2

The information in this publication is believed to be accurate and is given in good faith, but no representation of warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representing of warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties or merchantability, fitness for a particular purpose, non-fringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and design.