



## Safety Data Sheet

### Lily of the Valley Fragrance Oil

April 4th, 2023

#### Section 1: Chemical Product and Company Identification

**Product name:** Lily of the Valley 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

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 1B	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 Acute Toxicity, Category 2	H401 : Toxic to aquatic life

Aquatic Chronic Toxicity, Category 3

H412 : Harmful to aquatic life with long lasting effects

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

Skin Corrosion/Irritation, Category 2

H315 : Causes skin irritation

Sensitization, Skin, Category 1B

H317 : May cause an allergic skin reaction

Eye Damage/Eye Irritation, Category 1

H318 : Causes serious eye damage

**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**

**Labeling (GHS)**

**Hazard pictograms**



**Signal Word: Danger**

**Hazard statements**

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
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

**Precautionary Statements**

**Prevention:**

P264	Wash hands thoroughly after handling
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P272 Contaminated work clothing should not be allowed out of the workplace  
 P273 Avoid release to the environment

**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  
 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

**2.3 Other Hazards**

no data available

## 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
101-86-0 Hexyl cinnamal	202-983-3	20-30%	H303; H316; H317; H400; H411
60-12-8 phenethyl alcohol	200-456-2	10-20%	H302; H313; H316; H319
107-75-5 Hydroxycitronellal	203-518-7	5-10%	H317; H319; H402
106-24-1 Geraniol	203-377-1	2-5%	H303; H315; H317; H318; H402
106-22-9 Citronellol	203-375-0	2-5%	H303; H313; H315; H317; H319; H401
106-25-2 Nerol	203-378-7	2-5%	H303; H315; H317; H319; H401

104-54-1 Cinnamyl Alcohol	203-212-3	2-5%	H302; H316; H317; H401
140-11-4 Benzyl acetate	205-399-7	1-2%	H303; H401; H412
78-70-6 Linalool	201-134-4	1-2%	H227; H303; H315; H317; H319; H402

See Section 16 for full text of GHS classification codes  
Total Hydrocarbon Content (% w/w) = 0.00

## 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

**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.

# 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.

# Section 8: Exposure Controls/Personal Protection

## 8.1 Control parameters

### Exposure Limits:

Component	ACGIH	ACGIH	OSHA	OSHA
	TWA ppm	STEL ppm	TWA ppm	STEL ppm
140-11-4 <i>Benzyl acetate</i>	10			

**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:** Colorless (G0) to Yellow Tint (G1)  
**Viscosity:** Liquid  
**Freezing Point:** Not determined  
**Boiling Point:** Not determined  
**Melting Point:** Not determined  
**Flashpoint (CCCFP):** >200°F (93.33°C)  
**Auto flammability:** Not determined  
**Explosive Properties:** None Expected  
**Oxidizing properties:** None Expected  
**Vapor Pressure (mmHg@20°C):** 0/0067  
**%VOC:** 1.50  
**Specific Gravity @ 25°C:** 0.9450  
**Density @ 25°C:** 0.9420  
**Refractive Index @ 20°C:** 1.4870  
**Soluble in:** Oil

## Section 10: Stability and Reactivity

<b>Reactivity</b>	None
<b>Chemical stability</b>	Stable
<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: 3690.0369) May be harmful if swallowed
<b>Acute toxicity - Dermal - (Rabbit) mg/kg</b>	(LD50: 2487.5621) May be harmful in contact with skin
<b>Acute toxicity - Inhalation - (Rat) mg/L/4hr</b>	(LD50: 67.3400) 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>	Not classified - the classification criteria are not met
<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:** Toxic to aquatic life

**Chronic aquatic toxicity:** Harmful 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:** No.

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated – Not Dangerous Goods			

<b>ADR/RID (International Road/Rail)</b> Chemicals NOI	Not Regulated – Not Dangerous Goods
<b>IATA (Air Cargo)</b> Chemicals NOI	Not Regulated – Not Dangerous Goods
<b>IMDG (Sea)</b> Chemicals NOI	Not Regulated – Not Dangerous Goods

## 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:** No warning required.

### Canadian Regulations:

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

## Section 16: Other Information

### GHS H-Statements referred to under section 3 and not listed in Section 2

H227 : Combustible liquid	H302 : Harmful if swallowed
H316 : Causes mild skin irritation	H319 : Causes serious eye irritation
H400 : Very Toxic to aquatic life	H402 : Harmful to aquatic life
H411 : Toxic to aquatic life with long lasting effects	

### Total Fractional Values

#### (TFV) Risk

(74.25) Acute Toxicity Inhalation, Category 5  
 (8.93) Aquatic Acute Toxicity, Category 2  
 (8.01) Eye Damage/Eye Irritation, Category 2  
 (5.08) Skin Corrosion/Irritation, Category 3  
 (1.60) Eye Damage/Eye Irritation, Category 1  
 (1.13) Skin Corrosion/Irritation, Category 2

#### (TFV) Risk

(21.00) Sensitization, Skin, Category 1B  
 (8.66) Aquatic Chronic Toxicity, Category 3  
 (8.01) Eye Damage/Eye Irritation, Category 2A  
 (1.88) Acute Toxicity Dermal, Category 5  
 (1.36) Acute Toxicity Oral, Category 5

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





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