

## Safety Data Sheet Plumeria Fragrance Oil

July 20, 2022

### Section 1: Chemical Product and Company Identification

**Product name:** Plumeria 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 and (EC) No 1272/2008 (CLP)**

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 2A	H319 : Causes serious eye irritation
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)**

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 2	H319 : Causes serious eye irritation
Aquatic Chronic Toxicity, Category 2	H411 : Toxic to aquatic life with long lasting effects

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

**Hazard pictograms**



**Signal Word: Warning**

**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
- H319 Causes serious eye irritation
- H333 May be harmful if inhaled
- H411 Toxic to aquatic life with long lasting effects

**Precautionary Statements**

**Prevention:**

- P264 Wash hands thoroughly after handling
- 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
- 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
- P337 + P313 If eye irritation persists: Get medical advice/attention
- P362 Take off contaminated clothing and wash before reuse
- P363 Wash contaminated clothing before reuse
- P391 Collect Spillage

**2.3 Other Hazards**

no data available

## Section 3: Composition/Information on Ingredients

### 3.1 Mixtures



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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
78-70-6 Linalool	21-134-4	5-10%	H227; H303; H315; H317; H319; H402
6259-76-3 Hexyl salicylate	228-408-6	5-10%	H316; H317; H400; H410
140-11-4 Benzyl acetate	205-399-7	5-10%	H303; H401; H412
101-86-0 Hexyl cinnamal	202-983-3	5-10%	H303; H316; H317; H400; H411
104-67-6 Gamma-Undecalactone	203-225-4	2-5%	H316; H402; H412
122-40-7 Amyl Cinnamal	204-541-5	2-5%	H303; H316; H317; H401; H411
18871-14-2 4-Acetoxy-3-pentyltetrahydropyran	242-640-5	2-5%	H402
54830-99-8 Acetoxycyclopentadiene	259-367-2	2-5%	H303; H316; H402
18479-58-8 2,6-dimethyloct-7-en-2-ol	242-362-4	2-5%	H227; H303; H315; H319; H402
88-41-5 2-t-Butylcyclohexyl acetate	201-828-7	2-5%	H227; H303; H316; H401; H411
107-755 Hydroxycitronellal	203-518-7	2-5%	H317; H319; H402
10339-55-6 Ethyl Linalool	233-732-6	2-5%	H227; H303; H316; H317; H319; H402
60-12-8 Phenethyl alcohol	200-456-2	2-5%	H302; H313; H316; H319
68912-13-0 Hexahydro-methanoindenyl Propionate	272-805-7	1-2%	H401; H411
106-22-9 Citronellol	203-375-0	1-2%	H303; H313; H315; H317; H319; H401
93-92-5 Methylbenzyl acetate	202-288-5	1-2%	H227; H402
97-53-0 Eugenol	202-589-1	0.1-1.0%	H303; H316; H317; H319; H401
87-44-5 Beta-Caryophyllene	201-746-1	0.1-1.0%	H304; H317
119-36-8 Methyl Salicylate	204-317-7	0.1-1.0%	H302; H317; H318; H361; H402; H412



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57378-68-4 delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (delta-Damascone)	260-709-8	0.1-1.0%	H302; H315; H317; H318; H400; H410
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See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.11

### 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.

#### 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

#### Exposure Limits:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STELppm
140-11-4 Benzyl acetate	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:** Conforms to Standard  
**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):** 0.0255  
**%VOC:** 6.73  
**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
<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: 3977.2948) May be harmful if swallowed
<b>Acute toxicity - Dermal - (Rabbit) mg/kg</b>	(LD50: 4190.4891) May be harmful in contact with skin
<b>Acute toxicity - Inhalation - (Rat) mg/L/4hr</b>	(LD50: 40.9287) May be harmful if inhaled
<b>Skin corrosion / irritation</b>	Causes skin irritation
<b>Serious eye damage / irritation</b>	Causes serious eye irritation
<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

**Aspiration hazard**

Not classified - the classification criteria are not met

## Section 12: Ecological Information

### 12.1 Toxicity

<b>Acute aquatic toxicity:</b>	Not classified - the classification criteria are not met
<b>Chronic aquatic toxicity:</b>	Toxic to aquatic life with long lasting effects.
<b>Toxicity Data on soil:</b>	No data available.
<b>Toxicity on other organisms:</b>	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

<b>Marine Pollutant</b>	Yes. Ingredient of greatest environmental impact : 6259-76-3 : (5 - 10 %) : Hexyl salicylate			
<b>Regulator</b>	<b>Class</b>	<b>Pack Group</b>	<b>Sub Risk</b>	<b>UN-nr.</b>
<b>U.S. DOT (Non-Bulk)</b> Chemicals NOI	Not Regulated - Not Dangerous Goods			
<b>ADR/RID (International Road/Rail)</b> 9 Chemicals NOI	9	III		UN3082
<b>IATA (Air Cargo)</b> Chemicals NOI	9	III		UN3082
<b>IMDG (Sea)</b> Chemicals NOI	9	III		UN3082

## Section 15: Regulatory Information

### Additional European Regulations

**European Union (EINECS, ELINCS or NLP)** 100.00% (By Wt) of the components are listed or exempt.

### Additional Asian Regulations

**Australian AICS** 100.00% (By Wt) of the ingredients on AICS or notified.

**Chinese IECS** 100.00% (By Wt) of the ingredients on IECS.



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<b>Japan ENCS</b>	99.39% (By Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.
<b>Korea KECL</b>	100.00% (By Wt) of the ingredients on KECL, fall within the 100 kilogram per annum exemption or have been notified.
<b>New Zealand NZloc</b>	100.00% (By Wt) of the ingredients on NZloc.
<b>Philippines PICCS</b>	100.00% (By Wt) of the ingredients on PICCS.

**The Status of the following ingredient(s) is NOT known for the registration lists noted;**

**Asian Disclosure Lists noted within <> brackets after name**

67634-00-8      266-803-5      0.1 - 1.0 %      Isoamyl Allylglycollate: <ENCS>

### Section 16: Other Information

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

H227 : Combustible liquid	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	H318 : Causes serious eye damage
H319 : Causes serious eye irritation	H361 : Suspected of damaging fertility or the unborn child
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

(122.16) Acute Toxicity Inhalation, Category 5  
(70.00) Sensitization, Skin, Category 1A  
(7.56) Sensitization, Skin, Category 1B  
(3.43) Aquatic Chronic Toxicity, Category 2  
(2.23) Eye Damage/Eye Irritation, Category 2A  
(1.27) Skin Corrosion/Irritation, Category 2  
(1.19) Acute Toxicity Dermal, Category 5

##### (TFV) Risk

(70.00) Sensitization, Skin, Category 1  
(34.67) Aquatic Chronic Toxicity, Category 3  
(4.48) Skin Corrosion/Irritation, Category 3  
(2.23) Eye Damage/Eye Irritation, Category 2  
(1.28) Aquatic Chronic Toxicity, Category 4  
(1.26) Acute Toxicity Oral, Category 5

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