



# Safety Data Sheet

## Gardenia Fragrance Oil (V000369)

March 12, 2021

### Section 1: Chemical Product and Company Identification

**Product name:** Gardenia 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
Reproductive Toxicology, Category 1B	H360 : May damage fertility or the unborn child
Aquatic Acute Toxicity, Category 1	H400 : Very Toxic to aquatic life
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 2A	H319 : Causes serious eye irritation
Reproductive Toxicology, Category 1B	H360 : May damage fertility or the unborn child
Aquatic Acute Toxicity, Category 1	H400 : Very Toxic to aquatic life

**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

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
H360	May damage fertility or the unborn child
H400	Very Toxic to aquatic life
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
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
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**

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
140-11-4 Benzyl acetate	205-399-7	20 – 30 %	H303; H401; H412
60-12-8 Benzyl Acetate	205-399-7	10 – 20%	H302; H313; H316; H319
101-86-0 Hexyl cinnamal	202-983-3	10 – 20 %	H303; H316; H317; H400; H411
80-54-6 Butylphenyl Methylpropional	201-289-8	10 – 20%	H227; H302; H315; H317; H360; H401; H412
2050-08-0 Amyl salicylate	218-080-2	10 – 20 %	H302; H400; H410
78-70-6 Linalool	201-134-4	5 – 1 %	H227; H303; H315; H317; H319; H402
120-51-4 Benzyl Benzoate	204-402-9	2 – 5%	H302; H313; H400; H411
105-95-3 Ethylene brassylate	203-347-8	2 – 5 %	H401
24851-98-7 Methyldihydrojasmonate	246-495-9	2 – 5 %	H402
93-92-5 methylbenzyl acetate	202-288-5	2 – 5 %	H227; H402
104-61-0 gamma-Nonalactone	203-219-1	1 – 2 %	H316
65113-99-7 Pentamethylcyclopent-3-ene-butanol	265-453-0	1 – 2 %	H316; H319; H401; H411
31906-04-4 Hydroxyisohexyl 3-cyclohexene carboxaldehyde	250-863-4	1 – 2 %	H317; H402
105-87-3 Geranyl Acetate	203-341-5	0.1 – 1.0%	H315; H317; H401; H412



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18096-62-3 4,4a,5,9b-Tetrahydroindeno[1,2-d]-1,3-dioxine	241-997-4	0.1 – 1.0%	H303; H361
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
97-54-1 Iso Eugenol	202-590-7	0.1 – 1.0%	H302; H312; H315; H317; H319; H332; H335; H401
104-93-8 p-Methylanisole	202-253-7	0.1 – 1.0%	H227; H302; H315; H361; H402

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.15

### 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 STEL ppm
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<b>140-11-4</b> <i>Benzyl acetate</i>	10			
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**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:** Nearly 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):** 0.0410

**%VOC:** 21.70

**Specific Gravity @ 25 C:** 0.9985

**Density @ 25 C:** 0.9955

**Refractive Index @ 20 C:** 1.5065

**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"

**Acute toxicity - Oral - (Rat) mg/kg (LD50: 2534.3511):** May be harmful if swallowed

**Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 2628.6472):** May be harmful in contact with skin

**Acute toxicity - Inhalation - (Rat) mg/L/4hr (LD50: 32.8623):** May be harmful if inhaled

**Skin corrosion / irritation:** Causes skin irritation  
**Serious eye damage / irritation:** Causes serious eye irritation  
**Respiratory sensitization:** Not classified - the classification criteria are not met  
**Skin sensitization:** May cause an allergic skin reaction  
**Germ cell mutagenicity:** Not classified - the classification criteria are not met  
**Carcinogenicity:** Not classified - the classification criteria are not met  
**Reproductive toxicity:** May damage fertility or the unborn child  
**Specific target organ toxicity - single exposure:** Not classified - the classification criteria are not met  
**Specific target organ toxicity - repeated exposure:** 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

**Acute aquatic toxicity:** Very Toxic to aquatic life  
**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 the greatest environmental impact:  
 101-86-0 : (10 - 20 %) : Hexyl cinnamal

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Perfumery Products	Not Regulated – Not Dangerous Goods			
ADR/RID (International Road/Rail) Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082

<b>IATA (Air Cargo)</b> Perfumery Products Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
<b>IMDG (Sea)</b> Perfumery Products 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:

93-15-2(NFS)    202-223-0    <= 10 ppm    Methyl Eugenol (Natural Source)

**Canadian Regulations:**

**DSL / NDSL:** 100% of the components are listed or exempt.

## Section 16: Other Information

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

H227 : Combustible liquid  
 H312 : Harmful in contact with skin  
 H317 : May cause an allergic skin reaction  
 H332 : Harmful if inhaled  
 H361 : Suspected of damaging fertility or the unborn child  
 H402 : Harmful to aquatic life

H302 : Harmful if swallowed  
 H316 : Causes mild skin irritation  
 H318 : Causes serious eye damage  
 H335 : May cause respiratory irritation  
 H401 : Toxic 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**

(152.15) Acute Toxicity Inhalation, Category 5  
 (33.33) Reproductive Toxicology, Category 1B  
 (10.00) Sensitization, Skin, Category 1A  
 (5.20) Skin Corrosion/Irritation, Category 3  
 (3.50) Eye Damage/Eye Irritation, Category 2A  
 (1.97) Acute Toxicity Oral, Category 5  
 (1.88) Skin Corrosion/Irritation, Category 2

**(TFV) Risk**

(50.02) Aquatic Chronic Toxicity, Category 3  
 (12.20) Sensitization, Skin, Category 1B  
 (5.25) Sensitization, Skin, Category 1  
 (4.88) Aquatic Chronic Toxicity, Category 2  
 (2.39) Aquatic Chronic Toxicity, Category 4  
 (1.90) Acute Toxicity Dermal, Category 5  
 (1.07) Aquatic Acute Toxicity, Category 1





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