



Safety Data Sheet

Plumeria Fragrance Oil

October 1, 2018

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)

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 2A	H319: Causes serious eye irritation
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled
Carcinogenicity, Category 1B	H350: May cause cancer
Reproductive Toxicology, Category 2	H361: Suspected of damaging 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)

Flammability	Class IIIA Combustible Liquid
Acute Dermal/Eye	12 : Causes moderate skin irritation. 16 : Causes eye irritation.
Acute Inhalation	25 : Inhalation at high levels may cause: tremors, labored breathing, hypothermia, lethargy, ataxia.
Acute Oral	2: Harmful if swallowed
Reproductive/Developmental	39 : Causes reproductive/developmental toxicity in animals.

Sensitization/Allergic Response
Target Organ Effects

31 : May cause allergic skin reaction.

26 : Prolonged or repeated ingestion may cause damage to: kidneys, adrenal glands, liver, stomach, brain, tongue, mucous membranes, musculo-skeletal system, male reproductive system.

28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin, testes

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: **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
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H350	May cause cancer
H361	Suspected of damaging 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
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
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BRAMBLE BERRY

HANDCRAFT PROVISIONS

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
P313	Get medical advice/attention
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
P370 + P378	In case of fire: Use Carbon dioxide (CO ₂), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
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	OSHA Classification
120-51-4 Benzyl Benzoate	204-402-9	30 - 40 %	H302; H313; H400; H411	28, 3
78-69-3 Tetrahydrolinalool	201-133-9	5 - 10 %	H227; H315; H317; H319; H401	11, 15
6259-76-3 Hexyl salicylate	228-408-6	5 - 10 %	H315; H317; H319; H400; H410	11, 15
140-11-4 Benzyl acetate	205-983-3	5 - 10 %	H303; H316; H401; H412	15, 25, 26, 31, 39
101-86-0 Hexyl cinnamaldehyde	202-983-3	5 - 10 %	H303; H316; H317; H400; H411	11, 15
104-67-6 Gamma-Undecalactone	203-225-4	2 - 5 %	H316; H401; H402; H412	11
122-40-7 Amyl Cinnamal	204-541-5	2 - 5 %	H303; H316; H317; H401; H411	11, 15
54830-99-8 Acetoxidyhydrodicyclopentadiene	259-367-2	2 - 5 %	H303; H316; H402	
18871-14-2	242-640-5	2 - 5 %	H402	

4-Acetoxy-3-pentyltetrahydropyran				
88-41-5 2-t-Butylcyclohexyl acetate	201-828-7	2 – 5 %	H227; H303; H316; H401; H411	12, 2
80-54-6 Butylphenyl Methylpropional	201-289-8	2 – 5 %	H227; H302; H315; H317; H361; H401; H412	11, 15, 26, 28, 3, 31, 39
60-12-8 Phenethyl alcohol	200-456-2	2 – 5 %	H302; H313; H316; H319	11, 15, 3
10339-55-6 3,7-Dimethyl-1,6-nonadien-3-ol	233-732-6	2 – 5 %	H227; H303; H315; H319; H402	11, 15
68912-13-0 Hexahydro-methanoindenyl Propionate	272-805-7	1 – 2 %	H316; H401; H411	11, 15
106-22-9 Citronellol	203-375-0	1 – 2 %	H303; H313; H315; H317; H319; H401	11, 15
93-92-5 methylbenzyl acetate	202-288-5	1 – 2 %	H227; H402	
8015-91-6 Oil Cinnamon Leaf Ceylon	283-479-0	0.1 – 1.0 %	H227; H303; H313; H316; H319; H341; H350; H401; H412	11, 15, 31
106-24-1 Geraniol	203-377-1	0.1 – 1.0 %	H303; H315; H317; H318; H402	11, 15, 31
118-58-1 Benzyl Salicylate	204-262-9	0.1 – 1.0 %	H303; H317; H320; H401; H412	31
8014-17-3(P) Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Oil	277-143-2	0.1 – 1.0 %	H227; H315; H317; H318; H401; H411	12, 3, 31
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	11, 15, 31

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 (CO₂), 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 firefighting: 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 plastic and 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	ACGIH	OSHA	OSHA
	TWA ppm	STEL ppm	TWA ppm	STEL ppm
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: Colorless to Yellow Tint (G0-1)

Viscosity: Liquid

Freezing Point: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Flashpoint (CCCFP): 199°F (92.78°C)

Auto flammability: Not determined

Explosive Properties: None Expected

Oxidizing properties: None Expected

Vapor Pressure (mmHg@20 C): 0.0287

%VOC: 7.1286

Specific Gravity @ 25 C: 1.000

Density @ 25 C: 0.9970

Refractive Index @ 20 C: 1.5070

Soluble in: Oil

Section 10: Stability and Reactivity

10.1 Reactivity None

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid None known

10.5 Incompatible materials Strong oxidizing agents, strong acids, and alkalis

10.6 Hazardous decomposition products 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: 2331.37): May be harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 3466.20): May be harmful in contact with skin

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 39.01): 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: May cause cancer

Reproductive toxicity: Suspected of damaging 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

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

94-59-7(NFS)	202-345-4	<= 3 ppm	Safrole (NFS)
93-15-2(NFS)	202-223-0	<= 22 ppm	Methyl Eugenol (NFS)
123-35-3(NFS)	204-622-5	<= 23 ppm	beta-Myrcene (NFS)

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



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HANDCRAFT PROVISIONS

H302 : Harmful if swallowed

H317 : May cause an allergic skin reaction

H320 : Causes eye 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

H316 : Causes mild skin irritation

H318 : Causes serious eye damage

H341 : Suspected of causing genetic defects

H402 : Harmful to aquatic life

Total Fractional Values

(TFV) Risk

(2.22) Skin Corrosion/Irritation, Category 2

(3.47) Eye Damage/Eye Irritation, Category 2A

(25.00) Reproductive Toxicology, Category 2

(4.95) Aquatic Chronic Toxicity, Category 2

(TFV) Risk

(10.00) Sensitization, Skin, Category 1A

(1.80) Carcinogenicity, Category 1B

(2.05) Aquatic Acute Toxicity, Category 1

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