



Safety Data Sheet

Fresh Mango Fragrance Oil

May 31, 2019

Section 1: Chemical Product and Company Identification

Product name: Fresh Mango 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
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 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)

Flammability	Class IIIB Combustible Liquid
Acute Dermal/Eye	12 : Causes moderate skin irritation. 16 : Causes eye irritation.
Acute Inhalation	23 : May cause respiratory tract irritation
Acute Oral	2 : Harmful if swallowed
Sensitization/Allergic Response	31 : May cause allergic skin reaction.
Target Organ Effects	26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver 28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin

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

H303	May be harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
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
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

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
103-60-6 <i>2-Phenoxyethyl isobutyrate</i>	203-127-1	2 – 5 %	H316	11
98-55-5 <i>alpha-Terpineol</i>	202-680-6	2 – 5 %	H227; H303; H315; H319; H401	11, 15, 23
32210-23-4 <i>4-tert-Butylcyclohexyl acetate</i>	250-954-9	2 – 5 %	H303; H317; H401	11, 15
101-86-0 <i>Hexyl cinnamaldehyde</i>	202-983-3	2 – 5 %	H303; H316; H317; H400; H411	11, 15
106-24-1 <i>Geraniol</i>	203-377-1	1 – 2 %	H303; H315; H317; H318; H402	11, 15, 31
120-51-4 <i>Benzyl Benzoate</i>	204-402-9	1 – 2 %	H302; H313; H400; H411	28, 3
24851-98-7 <i>Methyldihydrojasmonate</i>	246-402-9	1 – 2 %	H402	
78-70-6 <i>Linalool</i>	201-134-4	1 – 2 %	H227; H303; H315; H317; H319; H402	12, 26
106-22-9 <i>Citronellol</i>	203-375-0	1 – 2 %	H303; H313; H315; H317; H319; H401	11, 15
68647-72-3 <i>Limonene</i>	232-433-8	1 – 2 %	H226; H304; H315; H317; H400; H410	12, 3, 31
104-67-6 <i>gamma-Undecalactone</i>	203-225-4	1 – 2 %	H316; H402; H412	11
93-92-5 <i>methylbenzyl acetate</i>	202-288-5	1 – 2 %	H227; H402	
67634-15-5 <i>Ethyl 2,2-dimethylhydrocinnamal</i>	266-819-2	1 – 2 %	H315; H317; H400; H411	11, 15
88-41-5 <i>2-t-Butylcyclohexyl acetate</i>	201-828-7	1 – 2 %	H227; H303; H316; H401; H411	12, 2
106-25-2 <i>Nerol</i>	203-378-7	0.1 – 1.0 %	H303; H315; H317; H319; H401	15
122-40-7 <i>Amyl Cinnamal</i>	204-541-5	0.1 – 1.0 %	H303; H316; H317; H401; H411	11, 15
24720-09-0 <i>trans-alpha-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (trans-alpha-Damascone)</i>	246-430-4	0.1 – 1.0 %	H302; H313; H317; H401; H411	12, 15, 26, 3, 31
57378-68-4	260-709-8	0.1 – 1.0 %	H302; H315; H317; H318;	11, 15, 31

<i>delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (delta-Damascone)</i>			H400; H410	
687378-68-4 <i>Dimethyltetrahydro Benzaldehyde</i>	272-113-5	0.1 – 1.0 %	H227; H303; H313; H315; H317; H401; H411	12, 15, 31
115-95-7 <i>Linalyl Acetate</i>	204-116-4	0.1 – 1.0 %	H227; H315; H317; H320; H402	
107-75-5 <i>Hydroxycitronellal</i>	203-518-7	0.1 – 1.0 %	H317; H319; H402	11, 15, 31
8016-94-4 <i>Vetiveria zizanoides root oil</i>	282-490-8	0.1 – 1.0 %	H315; H317; H319; H401; H411	11, 15
79-78-7 <i>Allyl a-ionone</i>	201-225-9	0.1 – 1.0 %	H317; H401; H411	

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 1.38

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: Contains no substances with occupational exposure limit values

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: Yellow Tint (G0/1) to Pale/Greenish Yellow (G3)

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): 0.0244

%VOC: 2.1592

Specific Gravity @ 25 C: 0.9290

Density @ 25 C: 0.9260

Refractive Index @ 20 C: 1.4560

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: 4692.86): May be harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 6020.04): Not classified - the classification criteria are not met
Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 88.75): 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: Not classified - the classification criteria are not met
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: 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

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.	Not Regulated - Not Dangerous Goods			

IATA (Air Cargo) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated - Not Dangerous Goods
IMDG (Sea) Environmentally Hazardous Substance, Liquid, n.o.s.	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: This product contains the following components:

89-82-7	201-943-2	0.01 – 1.0%	Pulegone (NFS)
123-35-3(NF)	204-622-5	<= 59 ppm	beta-Myrcene (NFS)

Canadian Regulations:

DSL / NDSL: 99.99% of the components are listed or exempt. The following components are NOT on the list;

94201-73-7	303-662-1	<= 6 ppm	Tetrahydro-4-methyl-2-phenyl-2H-pyran
20016-72-2	208-546-3	<= 1 ppm	Dimyrcene
6753-98-6	229-816-7	<= 0 ppm	3,7,10-Humulatriene
484-20-8		<= 0 ppm	Begapten (5-MOP)
3856-25-5	223-364-4	<= 1 ppm	a-Copaene

Section 16: Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour

H302 : Harmful if swallowed

H313 : May be harmful in contact with skin

H317 : May cause an allergic skin reaction

H320 : Causes eye irritation

H402 : Harmful to aquatic life

H411 : Toxic to aquatic life with long lasting effects

H227 : Combustible liquid

H304 : May be fatal if swallowed and enters airways

H316 : Causes mild skin irritation

H318 : Causes serious eye damage

H400 : Very Toxic to aquatic life

H410 : Very toxic to aquatic life with long lasting effects

Total Fractional Values

(TFV) Risk

(1.13) Skin Corrosion/Irritation, Category 2

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

(9.52) Aquatic Chronic Toxicity, Category 3

(TFV) Risk

(20.00) Sensitization, Skin, Category 1A

(3.21) Aquatic Acute Toxicity, Category 2



BRAMBLE BERRY

HANDCRAFT PROVISIONS

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.