



Safety Data Sheet

Amber Fragrance Oil

October 15, 2018

Section 1: Chemical Product and Company Identification

Product name:	Amber 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 4	H302: Harmful if swallowed
Acute Toxicity Dermal, Category 5	H313: May be harmful in contact with skin
Skin Corrosion/Irritation, Category 3	H316: Causes mild skin irritation
Sensitization, Skin, Category 1B	H317: May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 5	H333: May be harmful if inhaled
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 IIIB Combustible Liquid
Acute Dermal/Eye	12: Causes moderate skin irritation 16: Causes eye 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, spleen, blood, bile duct 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

H302	Harmful if swallowed
H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H333	May be harmful if inhaled
H400	Very Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

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
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention
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	OSHA Classification
120-51-4 Benzyl Benzoate	204-402-9	70 - 80 %	H302; H313; H400; H411	28, 3
101-86-0 Hexyl cinnamaldehyde	202-983-3	5 - 10 %	H303; H316; H317; H400; H411	11, 15
1222-05-5 Hexamethylindanopyran	214-946-9	2 - 5 %	H316; H400; H410	11, 15
121-32-4 Ethyl vanillin	204-464-7	2 - 5 %	H303; H320; H402	
91-64-5 Coumarin	202-086-7	2 - 5 %	H302; H317; H402	12, 15, 2, 26, 31, 9
120-57-0 Piperonal	204-409-7	2 - 5 %	H303; H317; H401	31
128-37-0 Butylated hydroxytoluene	204-881-4	1 - 2 %	H316; H400; H410	
19870-74-7 Cedrol methyl ether	243-384-7	0.1 - 1.0 %	H317; H400; H410	15
1843-05-6 <i>Methanone, [2-hydroxy-4-(octyloxy)phenyl]phenyl-</i>	217-421-2	0.1 - 1.0 %	H317	
115-95-7 Linalyl acetate	204-116-4	0.1 - 1.0 %	H227; H315; H317; H319; H402	
78-70-6 Linalool	201-134-4	0.1 - 1.0 %	H227; H303; H315; H317; H319; H402	12, 26
32388-55-9 Acetyl cedrene	251-020-3	0.1 - 1.0 %	H316; H317; H400; H410	16, 19
32210-23-4 4-tert-Butylcyclohexyl acetate	250-954-9	0.1 - 1.0 %	H303; H317; H401	11, 15
4180-23-8 Trans-Anethole [(E)-Anethole]	224-052-0	0.1 - 1.0 %	H303; H316; H317; H401	11, 15

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 1.00

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 (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 TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
128-37-0 <i>Butylated hydroxytoluene</i>	2			

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: Conforms to Standard

Odor: Conforms to Standard
Color: Yellow Tint (G0-1)
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): 0.0116
%VOC: 0.8179
Specific Gravity @ 25 C: 1.0900
Density @ 25 C: 1.0870
Refractive Index @ 20 C: 1.5590
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: 1,600.83): Harmful if swallowed
- Acute toxicity - Dermal - (Rabbit) mg/kg** (LD50: 2,838.43): May be harmful in contact with skin
- Acute toxicity - Inhalation - (Rat) mg/L/4hr** (LC50: 110.16): May be harmful if inhaled
- Skin corrosion / irritation:** Causes mild skin irritation
- Serious eye damage / irritation:** Not classified - the classification criteria are not met
- 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: 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:

123-35-3(NF 204-622-5 0.01 – 0.1 % beta-Myrcene (NFS)

Canadian Regulations:

DSL / NDSL: 99.45% of the components are listed or exempt. The following components are NOT on the list:

111879-80-2 422-320-3 0.1 – 1.0 % Oxacyclohexadec-12-en-2-one, (12E)-

Section 16: Other Information

Total Fractional Values

(TFV) Risk

(1.26) Skin Corrosion/Irritation, Category 3

(3.43) Aquatic Acute Toxicity, Category 1

(TFV) Risk

(55.00) Sensitization, Skin, Category 1B

(5.90) Aquatic Chronic Toxicity, Category 2

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