



Safety Data Sheet

Over the Rainbow Fragrance Oil

April 10th, 2024

Section 1: Chemical Product and Company Identification

Product name: Over the Rainbow 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

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 3	H316 : Causes mild 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)

Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction
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Eye Damage/Eye Irritation, Category 2A H319 : Causes serious eye irritation

Reproductive Toxicity, Category 2 H361 : Suspected of damaging fertility or the unborn child

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 (GHS)

Hazard pictograms



Signal Word: Warning

Hazard statements

H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
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:



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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
P363	Wash contaminated clothing before reuse
P391	Collect Spillage

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
24851-98-7 Methyl Dihydrojasmonate	246-495-9	30 - 40 %	H402
105-95-3 Ethylene brassylate	203-347-8	20 - 30 %	H401
120-51-4 Benzyl Benzoate	204-402-9	5 - 10 %	H302; H313; H400; H411
1222-05-5 Hexamethylindanopyran	214-346-9	5 - 10 %	H316; H400; H410
63500-71-0 Isobutyl Methyl Tetrahydropyranol	405-040-6	2 - 5 %	H319
65113-99-7 Pentamethylcyclopent-3-ene-butanol	265-453-0	2 - 5 %	H316; H319; H401; H411
107-75-5 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
5989-27-5 Limonene	227-813-5	1 - 2 %	H226; H304; H315; H317; H400; H412
115-95-7 Linalyl Acetate	204-116-4	1 - 2 %	H227; H315; H317; H320; H402
25225-08-5	246-735-2	1 - 2 %	H227; H316; H401; H411



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I-Cyclocitronellene formate			
88-41-5 2-t-Butylcyclohexyl acetate	201-828-7	1 - 2 %	H227; H303; H316; H401; H411
128-37-0 BHT	204-881-4	1 - 2 %	H316; H400; H410
78-70-6 Linalool	201-134-4	0.1 - 1.0 %	H227; H303; H315; H317; H319; H402
106-24-1 Geraniol	203-377-1	0.1 - 1.0 %	H303; H315; H317; H318; H402
106-25-2 Nerol	203-378-7	0.1 - 1.0 %	H303; H315; H317; H319; H401
127-91-3 beta-Pinene	204-872-5	0.1 - 1.0 %	H226; H304; H315; H317; H400; H410
99-85-4 gamma-Terpinene	202-794-6	0.1 - 1.0 %	H226; H303; H304; H316; H361
23696-85-7 1-(2,6,6-Trimethylcyclohexa-1, 3-dienyl)-2-buten-1-one (Damascenone)	245-833-2	0.1 - 1.0 %	H313; H315; H317; H401; H411
101-86-0 Hexyl cinnamal	202-983-3	0.1 - 1.0 %	H303; H316; H317; H400; H411

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 2.34

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"



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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 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:



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Component		ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
128-37-0	<i>BHT</i>	2			
127-91-3	<i>beta Pinene</i>	20			

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): 0.0389

%VOC: 4.00

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

Reactivity	None
Chemical stability	Stable
Possibility of hazardous reactions	None known
Conditions to avoid	None known
Incompatible materials	Strong oxidizing agents, strong acids, and alkalis
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: 3932.3398) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 4554.4072) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LD50: 115.7834) May be harmful if inhaled
Skin corrosion / irritation:	Causes mild 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:	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: Not classified - the classification criteria are not met

Chronic aquatic toxicity: Toxic to aquatic life with long lasting effects.

Toxicity Data on soil: No data available.

Toxicity in 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



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Marine Pollutant: Yes. Ingredient of greatest environmental impact:
1222-05-5 : (5-10%) : Hexamethylindanopyran

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 the following components:

1222-05-5 214-946-9 5-10% Hexamethylindanopyran

U.S. State Regulations:

California Proposition 65 Warning: This product contains the following components:

123-35-3 204-622-5 0.01-0.1% beta-Myrcene (Natural Source)

Canadian Regulations:

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

84560-00-9 812-739-3 0.01-0.1% 2-Pentylcyclopentan-1-ol
94201-73-7 303-662-1 <= 19 ppm Tetrahydro-4-methyl-2-phenyl-2H-pyran
300371-33-9 638-861-5 <= 14 ppm 2,3-dihydro-1, 1-dimethyl-1H-indene-ar-propanol

Section 16: Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour

H302 : Harmful if swallowed

H315 : Causes skin irritation

H317 : May cause an allergic skin reaction

H319 : Causes serious eye irritation

H227 : Combustible liquid

H304 : May be fatal if swallowed and enters airways

H318 : Causes serious eye damage

H320 : Causes eye irritation



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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

(43.18) Acute Toxicity Inhalation, Category 5
(3.49) Aquatic Chronic Toxicity, Category 2
(2.19) Eye Damage/Eye Irritation, Category 2
(2.07) Eye Damage/Eye Irritation, Category 2A
(1.50) Sensitization, Skin, Category 1A
(1.10) Acute Toxicity Dermal, Category 5

(TFV) Risk

(35.00) Aquatic Chronic Toxicity, Category 3
(3.00) Sensitization, Skin, Category 1B
(2.18) Skin Corrosion/Irritation, Category 3
(1.61) Reproductive Toxicity, Category 2
(1.27) Acute Toxicity Oral, Category 5

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