



BRAMBLE BERRY

HANDCRAFT PROVISIONS

Safety Data Sheet

Dragon's Blood Fragrance Oil (V000173)

September 1, 2021

Section 1: Chemical Product and Company Identification

Product name:	Dragon's Blood 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

Classification according to GHS and (EC) No 1272/2008 (CLP)

Flammable Liquids, Category 4	H227: Combustible liquid
Acute Toxicity Oral, Category 4	H302: Harmful if swallowed
Acute Toxicity Dermal, Category 4	H312: Harmful in contact with skin
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation
Sensitization, Skin, Category 1B	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
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.

15 : May cause eye irritation.

9 : Harmful if absorbed through the skin.

Acute Inhalation



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23 : May cause respiratory tract irritation.

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 31 : May cause allergic skin reaction.

Target Organ Effects

26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, blood, stomach, brain, bile duct, tongue, mucous membranes, musculo-skeletal system.

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)

Signal Word: Warning

Hazard statements

H227 Combustible liquid

H302 Harmful if swallowed

H312 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

H400 Very Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

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

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

P281 Use personal protective equipment as required



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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

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 (CO₂), 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

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# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
120-51-4 Benzyl Benzoate	204-402-9	30 - 40 %	H302; H313; H400; H411	28, 3
60-12-8 phenethyl alcohol	200-456-2	10 - 20 %	H302; H313; H316; H319	11, 15, 3
91-64-5 Coumarin	202-086-7	5 - 10 %	H302; H317; H402	12, 15, 2, 26, 31,9
68647-72-3 Limonene	232-433-8	5 - 10 %	H226; H304; H315; H317; H400; H410	12, 3, 31
8014-09-3 Pogostemon cablin oil	282-493-4	5 - 10 %	H316	
121-33-5	204-465-2	5 - 10 %	H303; H319	31



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Vanillin				
98-55-5	202-680-6	2 - 5 %	H227; H303; H315; H319; H401	11, 15, 23
alpha-Terpineol				
58430-94-7	261-245-9	2 - 5 %	H227; H303; H315; H401; H411	11, 15
3,5,5-Trimethylhexyl acetate				
140-11-4	205-399-7	2 - 5 %	H303; H316; H401; H412	15, 25, 26, 31, 39
Benzyl acetate				
121-32-4	204-464-7	2 - 5 %	H303; H320; H402	
Ethyl vanillin				
105-87-3	203-341-5	1 - 2 %	H315; H317; H401; H412	11, 15
Geranyl acetate				
122-40-7	204-541-5	0.1 - 1.0 %	H303; H316; H317; H401; H411	11, 15
Amyl Cinnamal				
106-22-9	203-375-0	0.1 - 1.0 %	H303; H313; H315; H317; H319; H401	11, 15
Citronellol				
106-24-1	203-377-1	0.1 - 1.0 %	H303; H315; H317; H318; H402	11, 15, 31
Geraniol				
4180-23-8	224-052-0	0.1 - 1.0 %	H303; H316; H317; H401	11, 15
trans-Anethole [(E)-Anethole]				
106-25-2	203-378-7	0.1 - 1.0 %	H303; H315; H317; H319; H402	15
Nerol				
8015-91-6	283-479-0	0.1 - 1.0 %	H227; H303; H313; H316;	11, 15, 31
Oil Cinnamon Leaf Ceylon			H319; H341; H350; H401; H412	

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 8.78

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"



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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 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.



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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:	ACGIH	ACGIH	OSHA	OSHA
Component	TWA ppm	STEL ppm	TWA ppm	STEL ppm
11-4 Benzyl acetate	10			140-

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: Golden (Brownish) Yellow to Golden Orange (G8-11)

Viscosity: Liquid

Freezing Point: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Flashpoint (CCCFP): 170 F (76.67 C)

Auto flammability: Not determined

Explosive Properties: None Expected

Oxidizing properties: None Expected



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Vapor Pressure (mmHg@20 C): 0.1073

%VOC: 15.175

Specific Gravity @ 25 C: 1.0450

Density @ 25 C: 1.0420

Refractive Index @ 20 C: 1.5360

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: 1,794.22) Harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 1,384.03) Harmful in contact with skin

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 78.66) 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 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



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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 Liquid, n.o.s.	Substance,	9	III	UN3082
IATA (Air Cargo)				
Environmentally Hazardous Liquid, n.o.s.	Substance,	9	III	UN3082
IMDG (Sea)				
Environmentally Hazardous Liquid, n.o.s.	Substance,	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	202-345-4 <= 20 ppm	Safrole (NFS)
93-15-2	202-223-0 <= 9 ppm	Methyl Eugenol (NFS)
123-35-3(NF	204-622-5 0.1 - 1.0 %	beta-Myrcene (NFS)

Canadian Regulations:

100.00% of the components are listed or exempt.

Section 16: Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

(TFV) Risk (TFV) Risk

(2.15) Skin Corrosion/Irritation, Category 2 (20.00) Sensitization, Skin, Category 1B

(2.76) Eye Damage/Eye Irritation, Category 2A (4.33) Reproductive Toxicology, Category 2

(2.21) Aquatic Acute Toxicity, Category 1 (7.63) Aquatic Chronic Toxicity, Category 2

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