



BRAMBLE BERRY

HANDCRAFT PROVISIONS

Safety Data Sheet

Vetyver Type Fragrance Oil

March 10th, 2023

Section 1: Chemical Product and Company Identification

Product name: Vetyver Type 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 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
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)

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

Classification Other

Carcinogenicity

This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None ACGIH IARC NTP OSHA

2.2 Label elements

Labeling (GHS)

Hazard pictograms



Signal Word: **Warning**

Hazard statements

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
H400	Very Toxic to aquatic life
H411	Toxic 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



BRAMBLE BERRY

HANDCRAFT PROVISIONS

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
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
98-55-5 Terpineol	202-680-6	10-20%	H227; H303; H315; H319; H401
54464-57-2 Tetramethyl Acetyloctahydronaphthalenes	259-174-3	10-20%	H315; H317; H400; H410
32210-23-4 4-tert-Butylcyclohexyl acetate	250-954-9	5-10%	H303; H317; H401
122-40-7 Amyl Cinnamal	204-541-5	5-10%	H303; H316; H317; H401; H411
120-51-4 Benzyl Benzoate	204-402-9	5-10%	H302; H313; H400; H411
107-75-5 Hydroxycitronellal	203-518-7	5-10%	H317; H319; H402
1222-05-5 Hexamethylindanopyran	214-946-9	5-10%	H316; H400; H410
101-86-0	202-983-3	2-5%	H303; H316; H317; H400; H411



BRAMBLE BERRY

HANDCRAFT PROVISIONS

Hexyl cinnamal			
32388-55-9 Acetyl cedrene	251-020-3	2-5%	H303; H317; H400; H410
125-12-2 Isobornyl acetate	204-727-6	2-5%	H227; H316; H401
103-95-7 Cyclamen Aldehyde	203-161-7	2-5%	H227; H303; H315; H317; H401; H412
115-95-7 Linalyl Acetate	204-116-4	1-2%	H227; H315; H317; H320; H402
5462-06-6 4-Methoxy-alpha-methylbenzenepropanal	226-749-5	1-2%	H303; H317; H401
5989-27-5 Limonene	227-813-5	0.1-1.0%	H226; H304; H315; H317; H400; H412
2785-87-7 Dihydroeugenol (2-Methoxy-4-propylphenol)	220-499-0	0.1-1.0%	H303; H315; H317; H318; H335; H401
78-70-6 Linalool	201-134-4	0.1-1.0%	H227; H303; H315; H317; H319; H402
67634-15-5 Ethyl 2,2-dimethylhydrocinnamal	266-819-2	0.1-1.0%	H315; H317; H400; H411
29461-13-0 2.a.,4a.a.,8.β.)-Hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalene-8(5H)-one	249-648-8	0.1-1.0%	H316; H317; H401; H411
470-82-6 Eucalyptol	207-431-5	0.1-1.0%	H226; H303; H317; H320; H402
68737-61-1 Dimethyltetrahydro Benzaldehyde	272-113-5	0.1-1.0%	H227; H303; H313; H315; H317; H401; H411
70788-30-6 Trimethyl-propylcyclohexanepropanol	274-892-7	0.1-1.0%	H317

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.95

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 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.

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.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters



BRAMBLE BERRY

HANDCRAFT PROVISIONS

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: 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): 0.0244

%VOC: 1.29

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



BRAMBLE BERRY

HANDCRAFT PROVISIONS

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: 4015.4089) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 3933.8690) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LD50: 83.2864) 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:	Suspected of causing 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

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

Marine Pollutant: Yes. Ingredient of greatest environmental impact:



BRAMBLE BERRY

HANDCRAFT PROVISIONS

54464-57-2 : (10 - 20 %) : Tetramethyl Acetyloctahydronaphthalenes

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% Hexamethylinadonopryan

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 (Natural Source)
89-82-7 201-943-2 <=20ppm Pulegole (Natural Source)

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

H226 : Flammable liquid and vapour	H227 : Combustible liquid
H302 : Harmful if swallowed	H304 : May be fatal if swallowed and enters airways
H316 : Causes mild skin irritation	H317 : May cause an allergic skin reaction
H318 : Causes serious eye damage	H319 : Causes serious eye irritation
H320 : Causes eye irritation	H335 : May cause respiratory irritation
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

(86.66) Aquatic Chronic Toxicity, Category 3
(10.01) Sensitization, Skin, Category 1B
(5.44) Skin Corrosion/Irritation, Category 3
(3.12) Eye Damage/Eye Irritation, Category 2

(TFV) Risk

(60.03) Acute Toxicity Inhalation, Category 5
(8.65) Aquatic Chronic Toxicity, Category 2
(3.43) Skin Corrosion/Irritation, Category 2
(2.90) Eye Damage/Eye Irritation, Category 2A



BRAMBLE BERRY

HANDCRAFT PROVISIONS

(2.89) Eye Damage/Eye Irritation, Category 2A (1.69) Aquatic Chronic Toxicity, Category 4
(1.27) Acute Toxicity Dermal, Category 5 (1.25) Acute Toxicity Oral, Category 5
(1.25) Aquatic Acute Toxicity, Category 1

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.