

Safety Data Sheet
Black Spruce and Anise Fragrance Oil

July 6th, 2022

Section 1: Chemical Product and Company Identification

Product name: Black Spruce and Anise Fragrance Oil
Contact Info: Bramble Berry Inc.
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Bellingham, WA 98225
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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)

Flammable Liquids, Category 4	H227 : Combustible liquid
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 1A	H317 : May cause an allergic skin reaction
Acute Toxicity Inhalation, Category 5	H333 : May be harmful if inhaled
Aquatic Chronic Toxicity, Category 1	H410 : Very toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammable Liquids, Category 4	H227 : Combustible liquid
Skin Corrosion/Irritation, Category 2	H315 : Causes skin irritation
Sensitization, Skin, Category 1A	H317 : May cause an allergic skin reaction

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 (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal Word: Warning

Hazard statements

H227	Combustible liquid
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
H333	May be harmful if inhaled
H410	Very toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:

P235	Keep cool
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
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
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P370 + P378	In case of fire: Use Carbon dioxide (CO ₂), 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

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
125-12-2 Isobornyl acetate	204-727-6	40-50%	H227; H316; H401
120-51-4 Benzyl Benzoate	204-402-9	5-10%	H302; H313; H400; H411
54464-57-2 Tetramethyl Acetyloctahydronaphthalenes	259-174-3	5-10%	H315; H317; H400; H410
32388-55-9 Acetyl cedrene	251-020-3	5-10%	H303; H317; H400; H410
105-53-3 Diethyl malonate	203-3005-9	2-5%	H227; H319; H402
105-95-3 Ethylene brassylate	203-347-8	2 – 5 %	H401
4180-23-8 Anethole	224-052-0	2 – 5%	H303; H316; H317; H401
469-61-4 alpha-Cedrene	207-418-4	2 – 5 %	H304; H315; H400; H410
66068-84-6 Isocamphenyl cyclohexanol (mixed isomers)	266-100-3	2 – 5 %	H316; H400; H411
79-92-5 Camphene	201-234-8	2 – 5 %	H228; H320; H400; H410
28219-61-6 Ethyl trimethylcyclopentene butenol	248-908-8	1-2%	H315; H319; H401; H411
68737-61-1 Dimethyltetrahydro Benzaldehyde	272-113-5	1 – 2 %	H227; H303; H313; H315; H317; H401; H411
80-56-8 Pinene	201-291-9	1 – 2 %	H226; H302; H304; H315; H317; H400; H410
5989-27-5 Limonene	227-813-5	0.1-1.0%	H226; H304; H315; H317; H400; H412
13466-78-9 Delta-3-Carene	236-719-3	0.1-1.0%	H226; H303; H304; H315; H317; H332; H401; H411
127-91-3 Beta Pinene	204-872-5	0.1 – 1.0 %	H226; H304; H315; H317; H400; H410
586-62-9 Terpinolene	209-578-0	0.1-1.0%	H227; H303; H304; H316; H317; H400; H410
87-44-5 Beta-Caryophyllene	201-746-1	0.1-1.0%	H304; H317
112-54-9 Lauraldehyde	203-983-6	0.1-1.0%	H315; H317; H319

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 8.25

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 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
80-56-8	pinene	20			
127-91-3	beta Pinene	20			
13466-78-9	delta-3-Carene	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): 174F (78.89 C)
Auto flammability: Not determined
Explosive Properties: None Expected
Oxidizing properties: None Expected
Vapor Pressure (mmHg@20 C): 0.0999
%VOC: 16.59
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: 4731.0845) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 4672.0203) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LD50: 86.3879) May be harmful if inhaled
Skin corrosion / irritation	Causes 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:	Not classified - the classification criteria are not met
Chronic aquatic toxicity:	Very 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:
469-61-4: (2 - 5 %) : alpha-Cedrene

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Perfumery Products	Not Regulated – Not Dangerous Goods			
ADR/RID (International Road/Rail) Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
IATA (Air Cargo) Perfumery Products Environmentally Hazardous Substance, Liquid, n.o.s.	9	III		UN3082
IMDG (Sea) Perfumery Products 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.



BRAMBLE BERRY

HANDCRAFT PROVISIONS

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)
140-67-0	205-427-8	0.01-0.1%	Estragole (Methyl chavicol) (Natural Source)

Canadian Regulations:

DSL / NDSL: 99.70% of the components are listed or exempt. The following components are NOT on the List:

67801-20-1	267-140-4	0.1-1.0%	3-Methyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)pent-4-en-2-ol
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Section 16: Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour	H228 : Flammable Solid
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
H319 : Causes serious eye irritation	H320 : Causes eye irritation
H332 : Harmful if inhaled	H400 : Very Toxic to aquatic life
H401 : Toxic to aquatic life	H402 : Harmful to aquatic life
H411 : Toxic to aquatic life with long lasting effects	
H412 : Harmful to aquatic life with long lasting effects	

Total Fractional Values

(TFV) Risk

(151.73) Aquatic Chronic Toxicity, Category 3
(15.17) Aquatic Chronic Toxicity, Category 2
(6.54) Sensitization, Skin, Category 1
(5.00) Sensitization, Skin, Category 1B
(1.54) Skin Corrosion/Irritation, Category 2
(1.07) Acute Toxicity Dermal, Category 5

(TFV) Risk

(57.88) Acute Toxicity Inhalation, Category 5
(6.78) Skin Corrosion/Irritation, Category 3
(6.54) Sensitization, Skin, Category 1A
(2.17) Aquatic Chronic Toxicity, Category 4
(1.45) Aquatic Chronic Toxicity, Category 1
(1.06) Acute Toxicity Oral, Category 5

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