



Safety Data Sheet

Sage and Lemongrass Fragrance Oil

November 21st, 2022

Section 1: Chemical Product and Company Identification

Product name: Sage and Lemongrass 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

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
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)

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
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 (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
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H361	Suspected of damaging fertility or the unborn child
H400	Very Toxic to aquatic life
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
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
 P281 Use personal protective equipment as required

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
 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
 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

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
120-51-4 Benzyl Benzoate	204-402-9	30-40%	H302; H313; H400; H411
101-86-0 Hexyl cinnamal	202-983-3	10-20%	H303; H316; H317; H400; H411
78-70-6 Linalool	201-134-4	5-10%	H227; H303; H315; H317; H319; H402

18479-58-8 2,6-dimethyloct-7-en-2-ol	242-362-4	2-5%	H227; H303; H315; H319; H402
118-58-1 Benzyl Salicylate	204-262-9	2-5%	H303; H317; H320; H401; H412
63500-71-0 Isobutyl Methyl Tetrahydropyranol	405-040-6	2-5%	H319
1205-17-0 a-Methyl-1, 3-benzodioxole-5-propionaldehyde	214-881-6	1-2%	H303; H317; H361; H401; H411
101-48-4 Phenylacetaldehyde dimethyl acetal	202-945-6	1-2%	H227; H303; H316; H319; H402
128-37-0 BHT	204-881-4	1-2%	H316; H400; H410
103-95-7 Cyclamen Aldehyde	203-161-7	0.1-1.0%	H227; H303; H315; H317; H401; H412
107-75-5 Hydroxycitronellal	203-518-7	0.1-1.0%	H317; H319; H402
5989-27-5 Limonene	227-813-5	0.1-1.0%	H226; H304; H315; H317; H400; H412
68738-61-1 Dimethyltetrahydro Benzaldehyde	272-113-5	0.1-1.0%	H227; H303; H313; H315; H317; H401; H411
6259-76-3 Hexyl salicylate	228-408-6	0.1-1.0%	H316; H317; H400; H410
115-95-7 Linalyl Acetate	204-116-4	0.1-1.0%	H227; H315; H317; H320; H402
67634-15-5 Ethyl 2,2-dimethylhydrocinnamal	266-819-2	0.1-1.0%	H315; H317; H400; H411
80-56-8 Pinene	201-291-9	0.1-1.0%	H226; H302; H304; H315; H317; H400; H410
5392-40-5 Citral	226-394-6	0.1-1.0%	H313; H315; H317; H319; H401
5462-06-6 4-Methoxy-alpha-methylbenzenepropional	226-749-5	0.1-1.0%	H303; H317; H401
111-12-6 Methyl-2-Octynoate	203-836-6	0.1-1.0%	H317; H400; H412

See Section 16 for full text of GHS classification codes
 Total Hydrocarbon Content (% w/w) = 1.10

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.

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	ACGIH	OSHA	OSHA
		TWA ppm	STEL ppm	TWA ppm	STEL ppm
128-37-0	<i>BHT</i>	2			
80-56-8	<i>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): 0.0308
%VOC: 2.15
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: 2446.5279) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 4386.5633) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LD50: 52.7017) May be harmful if inhaled
Skin corrosion / irritation:	Causes skin irritation
Serious eye damage / irritation:	Causes serious eye damage
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: No data available.

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:
120-51-4 : (30-40%) : Benzyl Benzoate

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,	9	III		UN3082

Liquid, n.o.s.				
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:

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

Canadian Regulations:

DSL / NDSL: 100% of the components are listed or exempt.

Section 16: Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour

H304 : May be fatal if swallowed and enters airways

H317 : May cause an allergic skin reaction

H320 : Causes eye irritation

H402 : Harmful to aquatic life

H412 : Harmful to aquatic life with long lasting effects

H302 : Harmful if swallowed

H316 : Causes mild skin irritation

H319 : Causes serious eye irritation

H401 : Toxic to aquatic life

H410 : Very toxic to aquatic life with long lasting effects

Total Fractional Values

(TFV) Risk

(94.87) Acute Toxicity Inhalation, Category 5

(18.00) Reproductive Toxicity, Category 2

(TFV) Risk

(29.54) Aquatic Chronic Toxicity, Category 3

(15.20) Sensitization, Skin, Category 1B

(6.00) Sensitization, Skin, Category 1
(3.73) Skin Corrosion/Irritation, Category 3
(2.48) Eye Damage/Eye Irritation, Category 2
(2.05) Eye Damage/Eye Irritation, Category 2A
(2.03) Aquatic Acute Toxicity, Category 1
(1.14) Acute Toxicity Dermal, Category 5

(6.00) Sensitization, Skin, Category 1A
(2.93) Aquatic Chronic Toxicity, Category 2
(2.33) Aquatic Chronic Toxicity, Category 4
(2.04) Acute Toxicity Oral, Category 5
(1.86) Skin Corrosion/Irritation, Category 2

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