



Safety Data Sheet

White Tea and Ginger Fragrance Oil

August 30, 2018

Section 1: Chemical Product and Company Identification

Product name: White Tea and Ginger Fragrance Oil
Contact Info: Bramble Berry Inc.
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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
Aspiration Hazard, Category 1	H304: May be fatal if swallowed and enters airways
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 1	H318: Causes serious eye damage
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. 16 : Causes eye irritation.
Acute Inhalation	24 : Causes respiratory tract irritation. 25 : Inhalation at high levels may cause: headache, anesthesia.
Acute Oral	3 : May be harmful if swallowed or if aspirated into the lungs
Sensitization/Allergic Response	31 : May cause allergic skin reaction.

Target Organ Effects

26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver.

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)

Hazard pictograms



Signal Word: Danger

Hazard statements

- H227 Combustible liquid
- H303 May be harmful if swallowed
- H304 May be fatal if swallowed and enters airways
- H313 May be harmful in contact with skin
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- 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

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:

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting
- + P331

- 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
- P310 Immediately call a POISON CENTER or doctor/physician
- 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

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	OSHA Classification
101-86-0 <i>Hexyl cinnamaldehyde</i>	202-983-3	10 – 20 %	H303; H316; H317; H400; H411	11, 15
120-51-4 <i>Benzyl Benzoate</i>	204-402-9	10 – 20 %	H302; H313; H400; H411	28, 3
78-70-6 <i>Linalool</i>	201-134-4	5 – 10 %	H227; H303; H315; H317; H319; H402	12, 26
68647-72-3 <i>Limonene</i>	232-433-8	5 – 10 %	H226; H304; H315; H317; H400; H410	12, 3, 31
115-95-7 <i>Linalyl acetate</i>	204-116-4	2 – 5 %	H227; H315; H317; H319; H402	
68917-33-9 <i>Lemon oil terpenes</i>	284-515-8	2 – 5 %	H226; H304; H315; H400; H410	12, 3, 31
19819-98-8 <i>o-Tolyethanol</i>	243-349-6	2 – 5 %	H302; H318; H402	
100-51-6 <i>Benzyl Alcohol</i>	202-859-9	2 – 5 %	H302; H313; H319	11, 15, 23, 25, 31
24851-98-7 <i>Methyldihydrojasmonate</i>	246-495-9	2 – 5 %	H402	
103-45-7 <i>Phenethyl acetate</i>	203-113-5	2 – 5 %	H318	15, 26



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68737-61-1 <i>Dimethyltetrahydro Benzaldehyde</i>	272-113-5	2 – 5 %	H227; H303; H313; H315; H317; H401; H411	12, 15, 31
127-91-3 <i>β-Pinene</i>	204-872-5	1 – 2 %	H226; H304; H315; H317; H400; H410	11, 15, 24, 25, 31
99-85-4 <i>gamma-Terpinene</i>	202-794-6	1 – 2 %	H226; H303; H304; H316	11, 15
106-24-1 <i>Geraniol</i>	203-377-1	0.1 – 1.0 %	H303; H315; H317; H318; H402	11, 15, 31
5392-40-5 <i>Citral</i>	226-394-6	0.1 – 1.0 %	H313; H315; H317; H319; H401	26
106-25-2 <i>Nerol</i>	203-378-7	0.1 – 1.0 %	H303; H315; H317; H318; H401	15
127-43-5 <i>Methyl-β-ionone</i>	204-843-7	0.1 – 1.0 %	H316; H317; H401; H411	11, 15, 19, 26, 28, 31
80-56-8 <i>α-Pinene</i>	201-291-9	0.1 – 1.0 %	H226; H302; H304; H315; H317; H400; H410	11, 15, 25
127-51-5 <i>α-Isomethyl ionone</i>	204-846-3	0.1 – 1.0 %	H315; H317; H320; H401; H411	11, 15, 19, 26, 28, 31
8008-45-5 <i>Myristica fragrans (Nutmeg) kernel oil</i>	282-013-3	0.1 – 1.0 %	H226; H304; H315; H317; H341; H350; H400; H410	11, 15
68917-71-5 <i>Lime oil terpenes</i>	290-010-3	0.1 – 1.0 %	H226; H304; H315; H317; H400; H410	12, 3, 31
141-12-8 <i>Neryl acetate</i>	205-459-2	0.1 – 1.0 %	H315; H317; H401	

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 16.20

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 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:

Component		ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
127-91-3	<i>β-Pinene</i>	20			
80-56-8	<i>α-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: Yellow Tint to Pale Yellow(G0-2)

Viscosity: Liquid

Freezing Point: Not determined

Boiling Point: Not determined

Melting Point: Not determined

Flashpoint (CCCFP): 154°F (67.78°C)

Auto flammability: Not determined

Explosive Properties: None Expected

Oxidizing properties: None Expected

Vapor Pressure (mmHg@20 C): 0.2295

%VOC: 18.9974

Specific Gravity @ 25 C: 0.9190

Density @ 25 C: 0.9160

Refractive Index @ 20 C: 1.4830

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: 2984.83): May be harmful if swallowed

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 4500.03): May be harmful in contact with skin

Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 35.32): 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: 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: May be fatal if swallowed and enters airways

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

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 NO components of concern

U.S. State Regulations:

California Proposition 65 Warning:

94-59-7(NFS)	202-345-4	<= 30 ppm	Safrole (NFS)
93-15-2(NFS)	202-223-0	<= 8 ppm	Methyl Eugenol (NFS)
123-35-3(NFS)	204-622-5	<= 8 ppm	beta-Myrcene (NFS)

Canadian Regulations:

DSL / NDSL: 100.00% of the components are listed or exempt. The following components are NOT on the list:

94201-73-7	303-662-1	<= 2 ppm	Tetrahydro-4-methyl-2-phenyl-2H-pyran
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Section 16: Other Information

GHS H-Statements referred to under section 3

H226 : Flammable liquid and vapour

H302 : Harmful if swallowed

H316 : Causes mild skin irritation

H317 : May cause an allergic skin reaction



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H319 : Causes serious eye irritation
H341 : Suspected of causing genetic defects
H402 : Harmful to aquatic life

H320 : Causes eye irritation
H401 : Toxic to aquatic life
H410 : Very toxic to aquatic life with long lasting effects

Total Fractional Values

(TFV) Risk

(1.64) Aspiration Hazard, Category 1
(156.00) Sensitization, Skin, Category 1B
(1.60) Carcinogenicity, Category 1B
(7.33) Aquatic Chronic Toxicity, Category 2

(TFV) Risk

(3.40) Skin Corrosion/Irritation, Category 2
(2.31) Eye Damage/Eye Irritation, Category 1
(1.76) Aquatic Acute Toxicity, Category 1

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