



Safety Data Sheet

Frosted Fir Fragrance Oil (V001312)

September 16, 2020

Section 1: Chemical Product and Company Identification

Product name: Frosted Fir Fragrance Oil
Contact Info: Bramble Berry Inc.
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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 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 3	H316 : Causes mild 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
Target Organ Systemic Toxicity – Single Exposure, Category 2	H371 : May cause damage to organs
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
Sensitization, Skin, Category 1B	H317 : May cause an allergic skin reaction
Eye Damage/Eye Irritation, Category 2A	H319 : Causes serious eye irritation
Target Organ Systemic Toxicity – Single Exposure, Category 2	H371 : May cause damage to organs

Aquatic Acute Toxicity, Category 1

H400 : Very Toxic to aquatic life

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
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Precautionary Statements

Prevention:

P233	Keep container tightly closed
P235	Keep cool
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
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
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if

P309	present and easy to do. continue rinsing
P311	IF exposed or you feel unwell:
P312	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
P337 + P313	If eye irritation persists: Get medical advice/attention
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
Isobornyl acetate 125-12-2	204-727-6	50-60%	H227; H316; H401
Benzyl Benzoate 120-51-4	204-402-9	10-20%	H302; H313; H400; H411
Isobornyl propionate 2756-56-1	220-410-5	5-10%	H316; H401
Raspberry Ketone 5471-51-2	226-806-4	2-5%	H402
Ethyl Maltol 4940-11-8	225-582-5	2-5%	H302; H401
Cedrol methyl ether 19870-74-7	243-384-7	1-2%	H317; H400; H410
Methyldihydrojasmonate 24851-98-7	246-495-9	1-2%	H402
Camphor 76-22-2	200-945-0	1-2%	H228; H302; H315; H318; H332; H371; H401; H411
Allyl cyclohexylpropionate 2705-87-5	220-292-5	0.1%-1.0%	H302; H312; H317; H332; H400; H410
delta-3-Carene 13466-78-9		0.1%-1.0%	H226; H303; H304; H315; H317; H332;

See Section 16 for full text of GHS classification codes which were not shown in section 2
Total Hydrocarbon Content (% w/w) = 2.96

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 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
76-22-2 <i>Camphor</i>		2		3
13466-78-9 <i>delta-3-Carene</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):** 185 F (85.00 C)
- Auto flammability:** Not determined
- Explosive Properties:** None Expected
- Oxidizing properties:** None Expected
- Vapor Pressure (mmHg@20 C):** 0.0897

%VOC: 7.31
Specific Gravity @ 25 C: 1.0040
Density @ 25 C: 1.0010
Refractive Index @ 20 C: 1.4830
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: 1,532.21): (LD50: 3274.1694) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 2,326.03): (LD50: 4175.6991) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 81.98): (LD50: 119.8958) May be harmful if inhaled
Skin corrosion / irritation: Causes mild 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: Not classified - the classification criteria are not met
Reproductive toxicity: Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure: May cause damage to organs
Specific target organ toxicity - repeated exposure: May cause damage to organs through prolonged or repeated exposure
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 : 120-51-4 : (10 - 20 %) : 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, 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.

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)

Canadian Regulations:

DSL: 99.98% of the components are listed or exempt. The following components are NOT on the List:

94201-19-1 303-602-4 0.01 - 0.1% Tetrahydro-4-methyl-2-phenyl-2H-pyran

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
H312 : Harmful in contact with skin	H315 : Causes skin irritation
H317 : May cause an allergic skin reaction	H318 : Causes serious eye damage
H332 : Harmful if inhaled	H401 : Toxic to aquatic life
H402 : Harmful to aquatic life	H410 : Very toxic to aquatic life with long lasting effects

Total Fractional Values

(TFV) Risk

(41.70) Acute Toxicity Inhalation, Category 5
(7.12) Skin Corrosion/Irritation, Category 3
(2.92) Aquatic Chronic Toxicity, Category 2
(1.53) Acute Toxicity Oral, Category 5
(1.20) Acute Toxicity Dermal, Category 5

(1.13) Aquatic Chronic Toxicity, Category 4

(TFV) Risk

(29.28) Aquatic Chronic Toxicity, Category 3
(4.00) Sensitization, Skin, Category 1
(1.70) Sensitization, Skin, Category 1B
(1.26) Eye Damage/Eye Irritation, Category 2A
(1.14) Target Organ Systemic Toxicity - Single Exposure, Category 2
(1.00) Aquatic Acute Toxicity, Category 1

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