



Safety Data Sheet

Lingonberry Spice Fragrance Oil(V000220)

July 11, 2018

Section 1: Chemical Product and Company Identification

Product name: Lingonberry Spice Fragrance Oil FO191
Contact Info: Bramble Berry Inc.
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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)

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 2	H411: Toxic to aquatic life with long lasting effects

Classification OSHA (Provisions 1910.1200 of title 29)

Flammability	Class IIIB Combustible Liquid
Acute Dermal/Eye	12 : Causes moderate skin irritation. 16 : Causes eye irritation.
Acute Oral	9 : Harmful if absorbed through the skin.
Sensitization/Allergic Response	2 : Harmful if swallowed
Target Organ Effects	31 : May cause allergic skin reaction. 26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver, spleen, blood, bile duct.

Carcinogenicity 28 : Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin
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

- 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
- 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
- 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
- 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# Ingredient	EC#	Conc. Range	GHS Classification	OSHA Classification
125-12-2 <i>Isobornyl acetate</i>	204-727-6	5 - 10 %	H227; H316; H401	11, 15
54464-57-2 <i>Tetramethyl Acetyloctahydronaphthalenes</i>	259-174-3	5 - 10 %	H315; H317; H400; H410	11, 31
101-39-3 <i>alpha-Methylcinnamaldehyde</i>	202-938-8	5 - 10 %	H303; H317; H401	31
88-41-5 <i>2-t-Butylcyclohexyl acetate</i>	201-828-7	5 - 10 %	H227; H303; H316; H401; H411	12, 2
4940-11-8 <i>Ethyl maltol</i>	225-582-5	2 - 5 %	H302	2
120-51-4 <i>Benzyl Benzoate</i>	204-402-9	2 - 5 %	H302; H313; H400; H411	28, 3
101-86-0 <i>Hexyl cinnamaldehyde</i>	202-983-3	2 - 5 %	H303; H316; H317; H400; H411	11, 15
10094-34-5 <i>a ,a-Dimethylphenethyl butyrate</i>	233-221-8	2 - 5 %	H401; H411	11, 15
105-95-3 <i>Ethylene brassylate</i>	203-347-8	2 - 5 %	H401	11, 15
18479-58-8 <i>2,6-dimethyloct-7-en-2-ol</i>	242-362-4	2 - 5 %	H227; H303; H315; H319; H402	11, 15
8014-09-3 <i>Pogostemon cablin oil</i>	282-493-4	1 - 2 %	H304; H316; H401; H411	
68737-61-1 <i>Dimethyltetrahydro Benzaldehyde</i>	272-113-5	1 - 2 %	H227; H303; H313; H315; H317; H401; H411	12, 15, 31
115-95-7 <i>Linalyl acetate</i>	204-116-4	1 - 2 %	H227; H315; H317; H319; H402	
1335-66-6 <i>IsoCycloCitral</i>	215-638-7	1 - 2 %	H227; H303; H317; H319; H401; H412	
121-32-4	204-464-7	1 - 2 %	H303; H320;	



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HANDCRAFT PROVISIONS

<i>Ethyl vanillin</i>			H402	
1222-05-5 <i>Hexamethylindanopyran</i>	214-946-9	1 - 2 %	H316; H400; H410	11, 15
31906-04-4 <i>Hydroxyisohexyl 3-cyclohexene carboxaldehyde</i>	250-863-4	1 - 2 %	H317; H402	
91-64-5 <i>Coumarin</i>	202-086-7	1 - 2 %	H302; H317; H402	12, 15, 2, 26, 31, 9
32210-23-4 <i>4-tert-Butylcyclohexyl acetate</i>	250-954-9	0.1 - 1.0 %	H303; H317; H401	11, 15
78-70-6 <i>Linalool</i>	201-134-4	0.1 - 1.0 %	H227; H303; H315; H317; H319; H402	12, 26
8022-15-9 <i>Lavandula hybrida grosso herb oil</i>	294-470-6	0.1 - 1.0 %	H227; H304; H317; H319; H402; H412	
8016-23-7 <i>Guaiaac wood oil</i>	289-632-8	0.1 - 1.0 %	0.1 - 1.0 %	
33704-61-9 <i>6,7-Dihydro-1,1,2,3,3- pentamethyl-4(5H)-indanone (Cashmeran)</i>	251-649-3	0.1 - 1.0 %	H303; H315; H317; H319; H401; H411	11, 15, 26
86803-90-9 <i>Methoxy dicyclopentadiene carboxaldehyde</i>	429-860-9	0.1 - 1.0 %	H303; H317; H401; H411	11, 15, 31
103-95-7 <i>2-Methyl-3-(p- isopropylphenyl)propionaldehyde</i>	203-161-7	0.1 - 1.0 %	H227; H303; H315; H317; H401; H412	11, 15, 31
110-41-8 <i>2-Methylundecanal</i>	203-765-0	0.1 - 1.0 %	H227; H315; H317; H402; H410	
104-54-1 <i>Cinnamyl Alcohol</i>	203-212-3	0.1 - 1.0 %	H303; H317	11, 15, 31

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 0.87

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: 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):	0.0486
%VOC:	5.4203
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

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: 2,932.55) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 4,201.53) May be harmful in contact with skin
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LC50: 52.31) 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	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 This product contains the following components:

123-35-3(NF

S)

204-622-5 0.01 - 0.1% beta-Myrcene (NFS)

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

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
H319 : Causes serious eye irritation
H320 : Causes eye irritation
H400 : Very Toxic to aquatic life
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	(TFV) Risk
(1.35) Skin Corrosion/Irritation, Category 2	(100.00) Sensitization, Skin, Category 1A
(4.34) Aquatic Chronic Toxicity, Category 2	

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