



Safety Data Sheet

Blueberry Thyme Fragrance Oil (V000179)

March 9, 2018

Section 1: Chemical Product and Company Identification

Product name: Blueberry Thyme 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
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 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 Oral	2 : Harmful if swallowed
Sensitization/Allergic Response	31 : May cause allergic skin reaction.
Target Organ Effects	26 : Prolonged or repeated ingestion may cause damage to: kidneys, liver.

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
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H333	May be harmful if inhaled
H411	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
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing
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 (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



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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
88-41-5 2-t-Butylcyclohexyl acetate	201-828-7	5-10%	H227; H303; H316; H401; H411	12, 2
68917-33-9 Citrus Limon Peel Oil Terpenes	284-515-8	2-5%	H226; H304; H315; H400; H410	12, 3, 31
4940-11-8 Ethyl maltol	225-582-5	2-5%	H302	2
5471-51-2 4-(p-Hydroxyphenyl)-2-butanone (p-Hydroxybenzyl acetone)	226-806-4	2 - 5 %	H402	2
142-92-7 Hexyl acetate	205-572-7	2-5%	H226; H316; H401; H411	
68647-72-3 Limonene	232-433-8	1-2%	H226; H304; H315; H317; H400; H410	12, 3, 31
1222-05-5 Hexamethylindanopyran	214-946-9	1-2%	H316; H400; H410	12, 26
78-70-6 Linalool	201-134-4	1-2%	H227; H303; H315; H317; H319; H402	12, 26
5392-40-5 Citral	226-394-6	0.1-1.0%	H313; H315; H317; H319; H401	26
8008-26-2 Citrus aurantifolia (Lime) oil	290-010-3	0.1 - 1.0 %	H226; H304; H315; H317; H319; H401; H411	12, 3, 31
115-95-7 Linalyl acetate	204-116-4	0.1 - 1.0 %	H227; H315; H317; H319; H402	
127-91-3 β -Pinene	204-872-5	0.1 - 1.0 %	H226; H304; H315; H317; H400; H410	11, 15, 24, 25, 31
80-56-8 α -Pinene	201-291-9	0.1 - 1.0 %	H226; H302; H304; H315; H317; H400; H410	11, 15, 25
1843-05-6 Methanone,	217-421-2	0.1 - 1.0 %	H317	



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[2-hydroxy-4-(octyloxy)phenyl]phenyl				
470-82-6 Eucalyptol	207-431-5	0.1 - 1.0 %	H226; H303; H316; H317	26, 27, 3
127-51-5 a-Isomethyl ionone	204-846-3	0.1 - 1.0 %	H315; H317; H320; H401; H411	11, 15, 19, 26, 28, 31
2705-87-5 Allyl cyclohexylpropionate	220-292-5	0.1 - 1.0 %	H302; H312; H317; H332; H400; H410	10, 12, 15, 3
103-95-7 2-Methyl-3-(p-isopropylphenyl)propionaldehyde	203-161-7	0.1 - 1.0 %	H227; H303; H315; H317; H401; H412	11, 15, 31
23726-91-2 (2E)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one	245-842-1	0.1 - 1.0 %	H303; H315; H317; H401; H411	11, 31
24720-09-0 trans-alpha-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (trans-alpha-Damascone)	246-430-4	0.1 - 1.0 %	H302; H313; H317; H401; H411	12, 15, 26, 3, 31
111-80-8 Methyl 2-nonynoate (Methyl octine carbonate)	203-909-2	0.01 - 0.1%	H302; H313; H315; H317; H400; H412	2, 31

See Section 16 for full text of GHS classification codes

Total Hydrocarbon Content (% w/w) = 7.97

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 β -Pinene	20			
80-56-8 α -Pinene	20			

Engineering Controls: Use local exhaust as needed

8.2 Exposure controls - Personal protective equipment



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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):	148 F (64.44 C)
Auto flammability:	Not determined
Explosive Properties:	None Expected
Oxidizing properties:	None Expected
Vapor Pressure (mmHg@20 C):	1.1931
%VOC:	14.0596
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: 3,984.03) May be harmful if swallowed
Acute toxicity - Dermal - (Rabbit) mg/kg	(LD50: 5,655.99) Not classified - the classification criteria are not met
Acute toxicity - Inhalation - (Rat) mg/L/4hr	(LC50: 51.31) May be harmful if inhaled
Skin corrosion / irritation	Causes skin irritation
Serious eye damage / irritation	Causes serious eye irritation



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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 Bio accumulative 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,	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: 89-
82-7 (NFS) 201-943-2	<= 47 ppm Pulegone (NFS)
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. The following components are NOT on the List:		
20016-72-2	208-546-3	<= 0 ppm	Dimyrcene
6753-98-6	229-816-7	<= 0 ppm	3,7,10-Humulatriene
144020-22-4	482-330-9	<= 24 ppm	Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododec
484-20-8		<= 0 ppm	Begapten (5-MOP)
3856-25-5	223-364-4	<= 0 ppm	a-Copaene



Section 16: Other Information

GHS H-Statements referred to under section 3

- H226 : Flammable liquid and vapor
- H302 : Harmful if swallowed
- H304 : May be fatal if swallowed and enters airways
- H312 : Harmful in contact with skin
- H313 : May be harmful in contact with skin
- H316 : Causes mild skin irritation
- H317 : May cause an allergic skin reaction
- H320 : Causes eye irritation
- H332 : Harmful if inhaled
- 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
(2.03) Skin Corrosion/Irritation, Category 2	(1.00) Sensitization, Skin, Category 1A
(1.58) Eye Damage/Eye Irritation, Category 2A	(4.38) Aquatic Chronic Toxicity, Category 2

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