Berries & Twigs Fragrance Oil

Safety Data Sheet

SECTION 1: Identification of the Substance/Mixture and of the Company/undertaking

1.1 Product Name: Berries & Twigs Fragrance Oil
Product Code: 303-155X

1.2 Intended Use: Compound used in customer substance/mixture/product.

1.3 Supplier:
Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, 84321 - United States of America
T 435.755.0863 - F 435.755.2108
www.TheSage.com

1.4 Emergency Telephone Number
No additional information available

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification According to Regulation (EC) No 1272/2008 as Amended

Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation.
Skin Sensitization, Category 1	H317: May cause an allergic skin reaction.
Eye Damage/Irritation, Category 2	H319: Causes serious eye irritation.
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

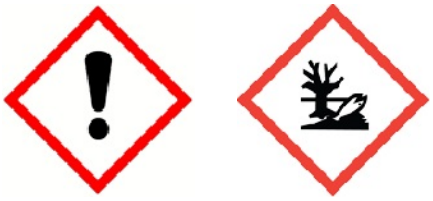
Hazard Summary: Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substances or mixture may cause adverse health effects.

2.2 Label Elements

Label According to Regulation (EC) No. 1272/2008 as Amended

Contains: (2E)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone,2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde, 3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde, alpha-Methyl-1,3-benzodioxole-5-propionaldehyde, Coumarin, dl-Citronellol, Ethyl methylphenylglycidate, Geraniol, Geranyl acetate, Lemon oil, Lemon Terpenes, Linalool, Orange sweet, Valencia oil, Orange terpenes, Piperonal, p-t-Butyl-alpha-methylhydrocinnamic aldehyde.

Hazard Pictograms



Signal Word: Warning

Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction .
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

P261	Avoid breathing mist or vapor.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.

Response:

P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.

Storage:

P420	Store away from incompatible materials.

Disposal:

P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3 Other Hazards

93.73% of the mixture consists of component(s) of unknown acute oral toxicity. 91.52% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 73.05% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

SECTION 3: Composition/Information on Ingredients

3.1 Mixtures

CAS # Ingredient	EC#	Conc. Range	GHS Class.	INDEX No.
54464-57-2	259-174-3	5-<10%	H315; H317; H410	-
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone				
78-70-6	201-134-4	5-<10%	H315; H317; H319	-
Linalool				
115-95-7	204-116-4	5-<10%	H315; H319	-
Linalyl acetate				
77-83-8	201-061-8	3-<5%	H317; H411	-
Ethyl methylphenylglycidate				
1506-02-1	216-133-4	1-<3%	H302; H400; H410	-
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one				
1222-05-5	214-946-9	1-<3%	H400; H410	603-212-00-7
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran				

CAS # Ingredient	EC#	Conc. Range	GHS Class.	INDEX No.
122-99-6	204-589-7	1-<3%	H302; H319	603-098-00-9
2-Phenoxyethanol				
150-51-4	204-402-9	1-<3%	H302; H400; H411	607-085-00-9
Benzyl benzoate				
18479-58-8	242-362-4	1-<3%	H315; H319	-
Dihydromyrcenol				
68917-33-9	-	1-<3%	H226; H304; H315; H317; H411	-
Lemon Terpenes				
8008-57-9	-	1-<3%	H226; H304; H315; H317; H411	-
Orange sweet, Valencia oil				
68647-72-3	-	1-<3%	H226; H304; H315; H317; H411	-
Orange terpenes				
68039-49-6	268-264-1	<1%	H315; H317; H411	-
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde				
31906-04-4	250-863-4	<1%	H317	605-040-00-8
3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde				
1205-17-0	214-881-6	<1%	H317; H411	-
alpha-Methyl-1,3-benzodioxole-5-propionaldehyde				
105-87-3	203-341-5	<1%	H315; H317; H412	-
Geranyl acetate				
8008-56-8	-	<1%	H225; H304; H315; H317; H319; H411	-
Lemon oil				

CAS # Ingredient	EC#	Conc. Range	GHS Class.	INDEX No.
80-54-6	201-289-8	<1%	H302; H315; H317; H361; H411	-
p-t-Butyl-alpha-methylhydrocinnamicaldehyde				
91-64-5	202-086-7	<0.3%	H302; H317	-
Coumarin				
106-22-9	203-375-0	<0.3%	H315; H317; H319	-
dl-Citronellol				
23726-91-2	245-842-1	<0.2%	H315; H317; H411	-
(2E)-1-)2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one				
65405-77-8	265-745-8	<0.2%	H400; H410	-
cis-3-Hexenyl salicylate				
106-24-1	203-377-1	<0.2%	H315; H317; H318	-
Geraniol				
120-57-0	204-409-7	<0.2%	H317	-
Piperonal				
Other components below reportable levels				60-<70%

The full text for all H-Statements can be found in Section 16.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Rinse mouth. Get medical advice/attention if you feel unwell.

4.2 Most Important Symptoms/Effects, Acute and Delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pains. May cause an allergic skin reaction. Dermatitis. Rash.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).

Unsuitable: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Specific Hazards Arising from the Chemical

During fire, gases hazardous to health may be formed.

5.3 Advice for Firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

6.2 Methods and Materials for Containment and Cleaning Up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see Section 13 of the SDS.

6.3 Environmental Precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl acetate (CAS 141-78-6)	PEL	1400 mg/m^3 400 ppm
Pentyl acetate (CAS 628-63-7)	PEL	525 mg/m^3 100 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Benzyl acetate (CAS 140-11-4)	TWA	10 ppm	
Butylated hydroxytoluene (CAS 128-37-0)	TWA	2 mg/m^3	Inhalable fraction and vapor
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor
Ethyl acetate (CAS 141-79-6)	TWA	400 ppm	
Pentyl acetate (CAS 628-63-7)	STEL TWA	100 ppm 50 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butylated hydroxytoluene (CAS 128-37-0)	TWA	10 mg/m^3
Ethyl acetate (CAS 141-78-6)	TWA	1400 mg/m^3 400 ppm
Pentyl acetate (CAS 628-63-7)	TWA	525 mg/m^3 100 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Benzaldehyde (CAS 100-52-7)	STEL TWA	17.4 mg/m^3 4 ppm 8.7 mg/m^3 2 ppm
Vanillin (CAS 121-33-5)	TWA	10 mg/m^3

Biological Limit Values:
No biological exposure limits noted for the ingredient(s).

Exposure Guidelines:
US ACGIH Threshold Limit Values : Skin Designation
Citral (CAS 5392-40-5) Can be absorbed through the skin.

Appropriate Engineering Controls:
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

8.2 Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Chemical respirator with organic vapor cartridge and full face piece.

Skin/Hand Protection: Wear appropriate chemical resistant gloves and clothing. Use of an impervious apron is recommended.

Respiratory Protection: Chemical respirator with organic vapor cartridge and full face piece.

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

Hygiene Measures: Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Form:	Liquid
Color:	Not available
Odor:	Not available
Odor Threshold:	Not available
pH:	Not available
Melting/Freezing Point:	-90.04°F (-67.8°C) estimated
Initial Boil Point/Range:	406.89°F (208.27°C) estimated
Flash Point:	176.0°F (80.0°C)
Evaporation Rate:	Not available
Flammability (solid, gas):	Not applicable
Vapor Pressure:	0.037 hPa estimated
Vapor Density:	Not available
Relative Density:	Not available
Solubility(ies)	
Solubility (Water):	NO
Solubility (Other):	Not available
Auto-Ignition Temperature:	710°F (376.67°C) estimated
Decomposition Temperature:	Not available
Viscosity:	Not available
Explosive Properties:	Not explosive.
Oxidizing Properties:	Not oxidizing.

9.2 Other Information

Density:	7.72 lbs/gal estimated
Refractive Index:	1.4603 - 1.4653
Specific Gravity:	0.915 - 0.955

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability

Material is stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to Avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5 Incompatible Materials

Strong oxidizing agents.

10.6 Hazardous Decomposition Products

No hazardous decomposition products are known.

SECTION 11: Toxicological Information

11.1 Information on Likely Routes of Exposure

Inhalation: Prolonged inhalation may be harmful.
Skin Contact: Causes skin irritation. May cause an allergic skin reaction.
Eye Contact: Causes serious eye irritation.
Ingestion: Harmful if swallowed.

Symptoms Related to the Physical, Chemical, Toxicological Characteristics: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

11.2 Information on Toxicological Effects

Acute Toxicity:

Components	Species	Test Results
2-Phenoxyethanol (CAS 122-99-6) **Acute** **Oral** LD50	Rat	1260 mg/kg
Benzyl benzoate (CAS 120-51-4) **Acute** **Oral** LD50	Rat	1700 mg/kg

* Estimates for product may be base on additional component data not known.

Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
ACGIH Sensitization:
Citral (CAS 5392-40-5) Dermal Sensitization

Respiratory Sensitization:	Not a respiratory sensitizer.
Skin Sensitization:	May cause an allergic skin reaction.
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzyl acetate (CAS 140-11-4)	3 - Not classifiable as to carcinogenicity to humans.
Butylated hydroxytoluene (CAS 128-37-0)	3 - Not classifiable as to carcinogenicity to humans.
Coumarin (CAS 91-64-5)	3 - Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive Toxicity:	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity Single Exposure:	Not classified.
Specific Target Organ Toxicity Repeated Exposure:	Not classified.
Aspiration Hazard:	Not an aspiration hazard.
Chronic Effects:	Prolonged inhalation may be harmful.

SECTION 12: Ecological Information

12.1 Ecotoxicity

Toxic to aquatic life with long lasting effects.

12.2 Persistence and Degradability

No data is available on the degradability of this product.

12.3 Bioaccumulative Potential

Partition Coefficient n-octanol/water (log Kow)	
2-Phenoxyethanol	1.16
Benzaldehyde	1.48
Benzyl acetate	1.96
Benzyl benzoate	3.97
Coumarin	1.39
Ethyl acetate	0.73
Linalool	2.97
Pentyl acetate	2.3
Piperonal	1.05
Vanillin	1.37

12.4 Mobility in Soil No data available.

12.5 Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photo chemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national /international regulations.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company

Residual Waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal Instructions.)

Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport Information

14.1 Transport Information

DOT Not regulated as dangerous goods.

ADR Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not established.

SECTION 15: Regulatory Information

15.1 US Federal Regulations

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethyl acetate (CAS 141-78-6)	Listed.
Pentyl acetate (CAs 628-63-7)	Listed.

SARA 304 Emergency Release Notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous Chemical
No.

SARA 313 (TRI reporting)
Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Drug Enforcement Administration (DEA), List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12©)

Benzaldehyde (CAS 100-52-7)	50% WV
Piperonal (CAS 120-57-0)	20% WV

DEA Exempt Chemical Mixtures Code Number

Benzaldehyde (CAS 100-52-7)	8256
Piperonal (CAS 120-57-0)	8750

15.2 US State Regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Piperonal (CAS 120-57-0)

US. Massachusetts RTK - Substance List
Benzaldehyde (CAS 100-52-7)
Butylated hydroxytoluene (CAS 128-37-0)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAs 628-63-7)

US. New Jersey Worker and Community Right-to-Know Act
Benzaldehyde (CAS 100-52-7)
Benzyl acetate (CAS 140-11-4)
Butylated hydroxytoluene (CAS 128-37-0)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAs 628-63-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Benzaldehyde (CAS 100-52-7)
Butylated hydroxytoluene (CAS 128-37-0)
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAs 628-63-7)

US. Rhode Island RTK
Ethyl acetate (CAS 141-78-6)
Pentyl acetate (CAS 628-63-7)

US. California Proposition 65
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

15.3 International Inventories

Country(s) or region	Inventory name	On Inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

Country(s) or region	Inventory name	On Inventory or exempt (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemical List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A “No” indicates that one or more components of the products are not listed on the inventory administered by the governing country(s).

SECTION 16: Other Information

16.1 HMIS® Ratings

Health: 2
Flammability: 0
Physical hazard: 0

16.2 NFPA ratings

Health: 2
Flammability: 0
Instability: 0

Notes:
This safety data sheet is based on the properties of the material known at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment holds no responsibility. This document is not intended for quality assurance purposes.