

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

- 1.1 Product Name:** Fruit Slices Fragrance Oil
Product Code: 303-145X
- 1.2 Intended Use:** Compound used in customer substance/mixture/product.
- 1.3 Supplier:** Majestic Mountain Sage Inc
2490 S 1350 W
Nibley, Utah 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

Flammable liquids, Category 3
Aspiration Hazard, Category 1

H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.

Skin Corrosion/Irritation, Category 2
Sensitization, Skin, Category 1A

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Acute Aquatic Toxicity, Category 1
Chronic Aquatic Toxicity, Category 1

H400: Very toxic to aquatic life.
H410: very toxic to aquatic life with long lasting effects.

OSHA Defined Hazards

Not classified.

2.2 Label Elements

Hazard Pictograms



Signal Word: Danger.

Hazard Statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
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:

P301+P310+P331	IF SWALLOWED: Immediately call a poison center or doctor/physician. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.

P370+P378
P391

In case of fire: Use appropriate medica to extinguish.
Collect spillage.

Storage:

P403+P235
P405

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

P501

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

2.3 Other Hazards

1% 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

Chemical Name	CAS Number	%
Grapefruit oil terpenes	68917-32-8	30-<40%
Grapefruit oil	8016-20-4	20-<30%
Methyl dihydrojasmonate	24851-98-7	5-<10%
beta-Ionone	14901-07-6	3-<5%
Ethyl methylphenylglycidate	77-83-8	3-<5%
4-(p-Hydroxyphenyl)-2-butanone	5471-51-2	1-<3%
Allyl heptanoate	142-19-8	1-<3%
alpha-Methylbenzyl acetate	93-92-5	1-<3%
Citral	5392-40-5	1-<3%
d-Limonene	5989-27-5	<1%
Tangerine oil	8016-85-1	<1%
delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4	<0.2%
Butylated hydroxytoluene	128-37-0	<0.1%
Other components below reportable levels		20-<30%

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Information:	Take off all contaminated clothing immediately. 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 if irritation develops and persists.
Ingestion:	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

4.2 Most Important Symptoms/Effects, Acute and Delayed

Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. 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. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. 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 (CO₂).

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

5.2 Specific Hazards Arising from the Chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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. In case of fire and/or explosion do not breathe fumes. 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

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion proof general and local exhaust ventilation. Take precautionary measure against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. 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. ACGIH Threshold Limit Values

Components	Type	Value	Form
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.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butylated hydroxytoluene (CAS 128-37-0)	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:

Explosion-proof general and local exhaust ventilation. 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. Eye wash fountain and emergency showers are recommended.

8.2 Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Face shield is recommended. Wear safety glasses with side shields (or goggles).

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

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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

Hygiene Measures: When using do not smoke. 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

Appearance:	Clear liquid
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:	Not available
Flash Point:	129.9°F (54.4°C) Closed cup
Evaporation Rate:	Not available
Flammability (solid, gas):	Not applicable
Vapor Pressure:	0.52 mm Hg
Vapor Pressure Temperature:	20°C (68°F)
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.
Density:	7.47 lbs/gal estimated
Hydrocarbons Percent:	57.014%
Refractive Index:	1.4666-1.4716
Specific Gravity:	0.869-0.909
VOC (Weight %):	88.605%

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

Hazardous polymerization does not occur.

10.4 Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Avoid 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
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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: Direct contact with eyes may cause temporary irritation.
Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms Related to the Physical, Chemical, Toxicological Characteristics:

Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

11.2 Information on Toxicological Effects

Acute Toxicity: May be fatal if swallowed and enters airways.

Components	Species	Test Results
Citral (CAS 5392-40-5) Acute Dermal LD50	Rat	>2000 mg/kg

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

Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Direct contact with eyes may cause temporary irritation.

Respiratory Sensitization:

ACGIH Sensitization

Citral, Inhalable Fraction and Vapor
(CAS 5392-40-5)

Dermal Sensitization.

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:

Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Butylated hydroxytoluene (CAS 128-37-0) 3 Not classifiable as to carcinogenicity to humans.

d-Limonene (CAS 6989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive Toxicity:

This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity

Single Exposure:

Not classified.

Specific Target Organ Toxicity

Repeated Exposure:

Not classified.

Aspiration Hazard:

May be fatal if swallowed and enters airways.

Chronic Effects:

Prolonged inhalation may be harmful.

SECTION 12: Ecological Information

12.1 Ecotoxicity

Very toxic to aquatic life.

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)	
d-Limonene	4.232

12.4 Mobility in Soil No data available.

12.5 Other Adverse Effects

This product contains volatile organic compounds which has a photochemical ozone creation potential.

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
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14.1 Transport Information

DOT

UN Number:	UN1169
UN Proper Shipping Name:	Extracts, aromatic, liquid
Transport Hazard Class(es)	
Class:	3
Subsidiary Risk:	-
Label(s):	3
Packing Group:	III
Special Precautions for User:	Read safety instructions, SDS and emergency procedures before handling.
Special Provisions:	B1, IB3, T2, TP1
Packaging Exceptions:	150
Packaging Non-Bulk:	203
Packaging Bulk:	242

IATA

UN Number:	UN1169
UN Proper Shipping Name:	Extracts, aromatic, liquid
Transport Hazard Class(es)	
Class:	3
Subsidiary Risk:	-
Packing Group:	III
Environmental Hazards:	No.
ERG Code	3L
Special Precautions for User:	Read safety instructions, SDS and emergency procedures before handling.

Other Information

Passenger and Cargo

Aircraft:	Allowed with restrictions.
Cargo Aircraft Only:	Allowed with restrictions.

IMDG

UN Number:	UN1169
UN Proper Shipping Name:	EXTRACTS, AROMATIC, LIQUID
Transport Hazard Class(es)	
Class:	3
Subsidiary Risk:	-
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	No.

EmS: F-E, S-D
Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not established.

DOT



IATA;IMDG



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)

Not listed.

SARA 304 Emergency Release Notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - Yes
	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.

15.2 US State Regulations**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 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
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	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: 1

Physical hazard: 0

Personal protection: D

16.2 NFPA ratings

Health: 2

Flammability: 1

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.