

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

- 1.1 Product Name:** Lemon Zinger Fragrance Oil
Product Code: 303-100X
- 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

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.
Aspiration Hazard, Category 1	H304: May be fatal if swallowed and enters airways.
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 1B	H317: May cause an allergic skin reaction.
Eye Damage/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 3-NE	H336: May cause drowsiness or dizziness.
Aquatic Chronic Toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

Classification OSHA (Provision 1910.1200 of Title 29)

Flammability	Class IIIA Combustible Liquid.
Acute Dermal/Eye	12: Causes moderate skin irritation. 16: Causes moderate eye irritation.
Acute Inhalation	23: May cause respiratory tract irritation.
Acute Oral	3: May be harmful if swallowed or is aspirated into the lungs.
Sensitization/Allergic Response	31: May cause allergic skin reaction.
Target Organ Effects	26: Prolonged or repeated ingestion may cause damage to: kidneys, liver. 28: Prolonged or repeated dermal exposure may cause damage to: kidneys, skin.
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

**Labeling (REGULATION (EC) No 1272/2008)
Hazard Pictograms**



Signal Word: Danger.

Hazard Statements

H227	Combustible liquid.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

P233	Keep container tightly closed.
P235	Keep cool.
P264	Wash hands thoroughly after handling.
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:

P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
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.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.

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 Class.	OSHA Class.
64742-47-8	265-149-8	30-40%	H227; H304; H336; H401; H411	3
<i>Distillates, petroleum, hydrotreated light</i>				
68917-33-9	284-515-8	10-20%	H226; H304; H315; H400; H410	12, 3, 31
<i>Lemon oil terpenes</i>				
120-51-4	204-402-9	5-10%	H302; H313; H400; H411	28, 3
<i>Benzyl Benzoate</i>				
78-70-6	201-134-4	5-10%	H227; H303; H315; H317; H319; H402	12, 26
<i>Linalool</i>				
68956-56-9	273-309-3	2-5%	H226; H303; H304; H315; H317; H319; H401; H411	12, 16, 23, 31
<i>Hydrocarbons, terpene processing by-products</i>				
98-55-5	202-680-6	2-5%	H227; H303; H315; H319; H401	11, 15, 23
<i>alpha-Terpineol</i>				
54830-99-8	259-367-2	1-2%	H303; H316; H402	
<i>Acetoxylhydrodicyclopentadiene</i>				
106-25-2	203-378-7	1-2%	H303; H315; H317; H319; H401	15
<i>Nerol</i>				
112-31-2	203-957-4	1-2%	H227; H316; H319; H401; H412	11, 15
<i>Decanal</i>				

CAS # Ingredient	EC#	Conc. Range	GHS Class.	OSHA Class.
110-41-8	203-765-0	0.1-1.0%	H227; H315; H317; H402; H410	
<i>2-Methylundecanal</i>				
106-24-1	203-377-1	0.1-1.0%	H303; H315; H317; H318; H402	11, 15, 31
<i>Geraniol</i>				
115-95-7	204-116-4	0.1-1.0%	H227; H315; H317; H320; H402	
<i>Linalyl Acetate</i>				

See Section 16 for full text of GHS classification codes.
Total Hydrocarbon Content (% w/w) = 45.30

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 Contact:	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Skin Contact:	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/Effects, 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".
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SECTION 5: Firefighting 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: 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:	Colorless
Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint (CCCFP):	160°F (71.11°C)
Auto Flammability:	Not determined
Explosive Properties:	None expected

Oxidizing Properties:	None expected
Vapor Pressure (mmHg@20°C):	0.1789
%VOC:	15.3
Specific Gravity @ 25°C:	0.8665
Density @ 25°C:	0.8635
Refractive Index @ 20°C:	1.4545
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
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11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on individual Ingredient Toxicity Data utilizing the "Additivity Formula."

Acute Toxicity-Oral-(Rat) mg/kg	(LD50: 3,636.36) May be harmful if swallowed.
Acute Toxicity-Dermal (Rabbit) mg/kg	(LD50: 3,489.36) May be harmful in contact with skin.
Acute Toxicity-Inhalation (Rat) mg/L/4hr	(LC50: 36.19) May be harmful if inhaled.
Skin Corrosion/Irritation	Causes 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 drowsiness or dizziness.
Specific Target Organ Toxicity Repeated Exposure	Not classified - the classification criteria are not met.
Aspiration Hazard	May be fatal if swallowed and enters airways.

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 Considerations

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**14.1 Transport Information**

Regulator	Class	Pack Group	Sub Risk	UN-Nr.
U.S. DOT (Non-Bulk)	Not Regulated - Not Dangerous Goods			
<i>Chemicals NOI</i>				
ADR/RID (International Road/Rail)				
<i>Environmentally Hazardous Substance, Liquid, n.o.s.</i>	9	III		UN3082
IATA (Air Cargo)				
<i>Environmentally Hazardous Substance, Liquid, n.o.s.</i>	9	III		UN3082
IMDG (Sea)				
<i>Environmentally Hazardous Substance, Liquid, n.o.s.</i>	9	III		UN3082

SECTION 15: Regulatory information**15.1 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.

15.2 U.S. State Regulations**California Proposition 65 Warning**

This product contains the following components:

123-35-3 (NFS) 204-622-5 0.1-1.0% beta-Myrcene (NFS)

15.3 Canadian Regulations**DSL/NDSL**

100.00% of the components are listed or exempt.

SECTION 16: Other Information

16.1 GHS H-Statements Referred to Under Section 3

H226: Flammable liquid and vapor	H302: Harmful if swallowed
H316: Causes mild skin irritation	H318: Causes serious eye damage
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

16.2 Total Fractional Values

(TFV) Risk
(4.53) Aspiration Hazard, Category 1
(63.75) Sensitization, Skin, Category 1B
(1.57) Target Organ Systemic Toxicity - Single Exposure, Category 3-NE
(2.58) Skin Corrosion/Irritation, Category 2
(1.95) Eye Damage/Eye Irritation, Category 2A
(5.99) Aquatic Chronic Toxicity, Category 2

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.