Lemon Sugar Fragrance Oil
Safety Data Sheet

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

1.1 Product Name: Lemon Sugar Fragrance Oil
Product Code: 303-326X

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

Flammable Liquids, Category 3	H226: Flammable liquid and vapor.
Aspiration Hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Skin Corrosion/Irritation, Category 2	H315: Causes skin irritation.
Skin Sensitization, Category 1	H317: May cause an allergic skin reaction.
Serious Eye Damage/Irritation, Category 1	H318: Causes serious eye damage.
Aquatic Chronic Toxicity, Category 2	H411: 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 ifs wallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P310	Immediately call a POISON CENTER or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.
P370+P378	In case of fire: Use appropriate media to extinguish.
P391	Collect spillage.

Storage:

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal:

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

2.3 Other Hazards

5.55% 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.
8008-56-8	-	30-<40%	H225; H304; H315; H317; H319; H411	-
Lemon oil				
98-55-5	202-680-6	10-<20%	H315; H319	-
alpha-Terpineol				
78-70-6	201-134-4	10-<20%	H315; H317; H319	-
Linalool				
18479-58-8	242-362-4	5-<10%	H315; H319	-
Dihydromyrcenol				
8007-02-1	-	5-<10%	H315; H317; H318; H412	-
Lemongrass oil				

CAS # Ingredient	EC#	Conc. Range	GHS Class.	INDEX No.
5413-60-5	226-501-6	5-<10%	H412	-
Tricyclodecenyl acetate				
122-99-6	204-589-7	3-<5%	H302; H319	603-098-00-9
2-Phenoxyethanol				
5392-40-5	226-394-6	3-<5%	H315; H317; H319	605-019-00-3
Citral				
93-18-5	202-226-7	1-<3%	H315; H319; H411	-
beta-Naphthyl ethyl ether				
106-22-9	203-375-0	1-<3%	H315; H317; H319	-
dl-Citronellol				
106-24-1	203-377-1	1-<3%	H315; H317; H318	-
Geraniol				
128-37-0	204-881-4	<0.3%	H400; H410	-
Butylated hydroxytoluene				
Other components below reportable levels				3-<5%

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

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 lease 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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 oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. 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 (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

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.

5.4 General Fire Hazards

Flammable liquid and vapor.

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. Eliminate all ignition sources (no smoking, flares, or flames in immediate area). 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. Ventilate closed spaces before entering them. 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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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 measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. 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. Provide
eyewash station. Eye wash fountain and emergency showers are recommended.

8.2 Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles) and a face shield.

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:	Pale to Light Yellow
Physical State:	Liquid
Form:	Liquid
Color:	Not available
Odor:	Characteristic of name
Odor Threshold:	Not available
pH:	Not available

Melting/Freezing Point:	95°F (35°C) estimated
Initial Boil Point/Range:	405.5°F (207.5°C) estimated
Flash Point:	138.0°F (58.9°C) Closed cup
Evaporation Rate:	Not available
Flammability (solid, gas):	Not applicable
Vapor Pressure:	0.127 hPa estimated
Vapor Pressure Temperature:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubility(ies)	
Solubility (Water):	NO
Solubility (Other):	Not available
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity:	Not available
Explosive Properties:	Not explosive
Oxidizing Properties:	Not oxidizing

9.2 Other Information

Density:	7.41 lbs/gal estimated
Hydrocarbons Percent:	Not determined
Refractive Index:	1.4731-1.4781
Specific Gravity:	0.866-0.906
VOC (Weight %):	Not determined

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. 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 damage.
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 oedema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. 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
2-Phenoxyethanol (CAS 122-99-6) **Acute Oral** LD50	Rat	1260 mg/kg
Citral (CAS 5392-40-5) **Acute Oral** LD50	Rat	>2000 mg/kg
Geraniol (CAS 106-24-1) **Acute Oral** LD50	Rat	3600 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 damage.
Respiratory Sensitization: Not a respiratory sensitizer.
Skin Sensitization:
ACGIH Sensitization
Citral, Inhalable Fraction and Vapor (CAS 5392-40-5) Dermal Sensitization.
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 (CASE 128-37-0) 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 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
Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Dihydromyrcenol (CAS 18479-58-8)	No data available	No data available
Lemon oil (CAS 8008-56-8)	No data available	No data available

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
Alpha-Terpineol	2.98
Linalool	2.97

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

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, MARINE POLLUTANT
Transport Hazard Class(es)	
Class:	3
Subsidiary Risk:	-
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	Yes.
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

General Information: IMDG Regulated Marine Pollutant

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 listed.

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

CA 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.

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.