

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

- 1.1 Product Name:** Hydrogen Fragrance Oil
Product Code: 303-294X
- 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

Acute Toxicity Oral, Category 5
Acute Toxicity Dermal, Category 5

Skin Corrosion/Irritation, Category 3
Sensitization, Skin, Category 1B

Eye Damage/Irritation, Category 2A
Acute Toxicity Inhalation, Category 5
Aquatic Chronic Toxicity, Category 2

H303: May be harmful if swallowed.
H313: May be harmful in contact with skin.
H316: Causes mild 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.

Classification OSHA (Provision 1910.1200 of Title 29)

Sensitization, Skin, Category 1B

Eye Damage/Irritation, Category 2A

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Classification Other
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: Warning.

Hazard Statements

H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H316	Causes mild 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:

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.
P363	Wash contaminated clothing before reuse.
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.
107-75-5	203-518-7	10-20%	H317; H319; H402
<i>Hydroxycitronellal</i>			
24851-98-7	246-495-9	5-10%	H402
<i>Methyldihydrojasmonate</i>			
101-86-0	202-983-3	5-10%	H303; H316; H317; H400; H411
<i>Hexyl cinnamal</i>			
6259-76-3	228-408-6	2-5%	H315; H317; H319; H400; H410
<i>Hexyl salicylate</i>			
10339-55-6	233-732-6	2-5%	H227; H303; H315; H319; H402
<i>Ethyl Linalool</i>			
5989-27-5	227-813-5	2-5%	H226; H304; H315; H317; H400; H410
<i>Limonene</i>			
1205-17-0	214-881-6	2-5%	H303; H317; H361; H401; H411
<i>a-Methyl-1,3-benzodioxole-5-propionaldehyde</i>			

CAS # Ingredient	EC#	Conc. Range	GHS Class.
55066-48-3	259-461-3	2-5%	H302; H313; H402
<i>3-Methyl-5-phenylpentanol</i>			
60-12-8	200-456-2	2-5%	H302; H313; H316; H319
<i>phenethyl alcohol</i>			
88-41-5	201-828-7	2-5%	H227; H303; H316; H401; H411
<i>2-t-Butylcyclohexyl acetate</i>			
78-70-6	201-134-4	1-2%	H227; H303; H315; H317; H319; H402
<i>Linalool</i>			
140-11-4	205-399-7	1-2%	H303; H401; H412
<i>Benzyl acetate</i>			
65405-77-8	265-745-8	1-2%	H400
<i>cis-3-Hexenyl salicylate</i>			
63500-71-0	405-040-6	1-2%	H319
<i>Isobutyl Methyl Tetrahydropyranol</i>			
150-84-5	205-775-0	1-2%	H315; H401; H411
<i>Citronellyl Acetate</i>			
14901-07-6	238-969-9	1-2%	H316; H401; H411
<i>Ionone</i>			
115-95-7	204-116-4	1-2%	H227; H315; H317; H320; H402
<i>Linalyl Acetate</i>			
106-22-9	203-375-0	0.1-1.05	H303; H313; H315; H317; H319; H401
<i>Citronellol</i>			
104-54-1	203-212-3	0.1-1.0%	H302; H316; H317; H401
<i>Cinnamyl Alcohol</i>			
4707-47-5	225-193-0	0.1-1.0%	H317; H401
<i>Methyl atrarate</i>			

CAS # Ingredient	EC#	Conc. Range	GHS Class.
67634-15-5	266-819-2	0.1-1.0%	H315; H317; H400; H411
<i>Ethyl 2,2-dimethylhydrocinnamal</i>			
32210-23-4	250-954-9	0.1-1.0%	H303; H317; H401
<i>4-tert-Butylcyclohexyl acetate</i>			

See Section 16 for full text of GHS classification codes which were not shown in Section 2.

Total Hydrocarbon Content (% w/w) = 2.97

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 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".

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:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
140-11-4 <i>Benzyl Acetate</i>	10			

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:	Pale Yellow - Yellow (G3-G5)
Viscosity:	Liquid
Freezing Point:	Not determined
Boiling Point:	Not determined
Melting Point:	Not determined
Flashpoint (CCCFP):	>200°F (93.33°C)
Auto Flammability:	Not determined
Explosive Properties:	None expected
Oxidizing Properties:	None expected
Vapor Pressure (mmHg@20°C):	0.0599
%VOC:	6.07
Specific Gravity @ 25°C:	0.9430
Density @ 25°C:	0.9400
Refractive Index @ 20°C:	1.4680
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 individual Ingredient Toxicity Data utilizing the "Additivity Formula."

Acute Toxicity-Oral-(Rat) mg/kg	(LD50: 4189.0756) May be harmful if swallowed.
Acute Toxicity-Dermal (Rabbit) mg/kg	(LD50: 3837.2093) May be harmful in contact with skin.
Acute Toxicity-Inhalation (Rat) mg/L/4hr	(LC50: 48.8307) May be harmful if inhaled.
Skin Corrosion/Irritation	Causes mild 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	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 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

Marine Pollutant: Yes. Ingredient of greatest environmental impact:
6259-76-3 2-5% Hexyl salicylate

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 0.01-0.1% beta-Myrcene (Natural Source)

15.3 Canadian Regulations

DSL/NDSL

99.40% of the components are listed or exempt. The following components are NOT on the list:

111879-80-2	422-320-3	0.1-1.0%	Oxacyclohexadec-12-en-2-one, (12E)-
94201-73-7	303-662-1	0.1-1.0%	Tetrahydro-4-methyl-2-phenyl-2H- pyran

SECTION 16: Other Information

16.1 GHS H-Statements Referred to Under Section 3 and Not Listed in Section 2

H226: Flammable liquid and vapor.

H227: Combustible liquid.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H320: Causes eye irritation.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H361: Suspected of damaging fertility or the unborn child.

H401: Toxic to aquatic life.

H402: Harmful to aquatic life.

H410: Very toxic to aquatic life with long

H412: Harmful to aquatic life with long lasting effects.

16.2 Total Fractional Values

(TFV) Risk

(102.39) Acute Toxicity Inhalation, Category 5

(23.43) Aquatic Chronic Toxicity, Category 3

(3.31) Skin Corrosion/Irritation, Category 3

(2.15) Eye Damage/Irritation, Category 2A

(1.19) Acute Toxicity Oral, Category 5

(TFV) Risk

(40.00) Sensitization, Skin, Category 1

(10.00) Sensitization, Skin, Category 1B

(2.32) Aquatic Chronic Toxicity, Category 2

(1.30) Acute Toxicity Dermal, Category 5

(1.11) Aquatic Chronic Toxicity, Category 4

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.