

Edward Fragrance Oil

Safety Data Sheet

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

1.1 Product Name: Edward Fragrance Oil

Product Code: 303-357X

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

Flammable Liquids, Category 4 H227: Combustible liquid. Skin Corrosion/Irritation, Category 2 H315: Causes skin irritation.

Skin Sensitization, Category 1 H317: May cause an allergic skin

reaction.

Eye Damage/Irritation, Category 2A H319: Causes serious eye irritation.

Carcinogenicity, Category 2 H351: Suspected of causing cancer.
Reproductive Toxicity, Category 2 H361: Suspected of damaging fertility or

the unborn child.

Aquatic Acute Toxicity, Category 1 H400: Very toxic to aquatic life.

Aquatic Chronic Toxicity, Category 2 H411: Toxic to aquatic life with long

lasting effects.

2.2 Label Elements

Hazard Pictograms







Signal Word: Warning.

Hazard Statements

| H227 | Combustible liquid. |
|------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H351 | Suspected of causing cancer. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| | |

Precautionary Statements

| Prevention: | |
|-------------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surface, sparks, open flames and other ignition sources No smoking. |
| 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.

P308+P313 If exposed or concerned: Get medical advice/attention. 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. |
|-----------|---|
| 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

2.48% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 2.48% of the mixture consists of component(s) of unknown long-term hazard to the aquatic environment.

SECTION 3: Composition/Information on Ingredients

3.1 Mixtures

| Chemical Name | CAS Number | % |
|---|---------------|------------|
| Benzyl Benzoate | 120-51-4 | 30 - < 40% |
| Methyl dihydrojasmonate | 24851-98-7 | 5 - < 10% |
| Oxacyclohexadec-12-en-2-one,(12E)- | 111879-80-2 | 5 - < 10% |
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | 54464-57-2 | 3 - < 5% |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8- hexamethylcyclopenta-gamma-2-benzopyran | 1222-05-0 | 3 - < 5% |
| Ethylene brassylate | 105-95-3 | 3 - < 5% |
| Grapefruit oil | 8016-20-4 | 3 - < 5% |
| Linalool | 78-70-6 | 3 - < 5% |
| Piperonal | 120-57-0 | 3 - < 5% |
| 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one | 1506-02-1 | 1 - < 3% |

| Chemical Name | CAS Number | % |
|--|---------------|------------|
| alpha-Methyl-1,3-benzodioxole-5-propionaldehyde | 1205-17-0 | 1 - < 3% |
| alpha-Terpineol acetate | 80-26-2 | 1 - < 3% |
| Benzyl salicylate | 118-58-1 | 1 - < 3% |
| Cedarwood oil, Virginian | 8000-27-6 | 1 - < 3% |
| Dihydromyrcenol | 18479-58-8 | 1 - < 3% |
| Linalyl acetate | 115-95-7 | 1 - < 3% |
| Orange sweet, Valencia oil | 8008-57-9 | 1 - < 3% |
| p-t-Butyl-alpha-methylhydrocinnamic aldehyde | 80-54-6 | 1 - < 3% |
| 2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol | 28219-61-6 | < 1% |
| Anise seed oil | 8007-70-3 | < 1% |
| cis-3-Hexenyl salicylate | 65405-77-8 | < 1% |
| Lemon oil | 8008-56-8 | < 1% |
| Lemon Terpenes | 68917-33-9 | < 1% |
| Vanillin | 121-33-5 | < 1% |
| Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatr iene | 144020-22-4 | < 0.3% |
| Acetyl cedrene | 32388-55-9 | < 0.3% |
| Butylated hydroxytoluene | 128-37-0 | < 0.3% |
| Citral | 5392-40-5 | < 0.2% |
| Geraniol | 106-24-1 | < 0.2% |
| Pepper, black, oil | 8006-82-4 | < 0.2% |
| alpha-Pinene | 80-56-8 | < 0.1% |
| Benzyl Alcohol | 100-51-6 | < 0.1% |
| Diphenyl ether | 101-84-8 | < 0.1% |
| Other Components below reportable levels | | 10 - < 20% |

4.1 Description of First Aid Measures

General Information: If exposed or concerned: Get medical advice/attention.

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. 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: Rinse mouth. Get medical advice/attention if symptoms

occur.

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 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. 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

The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during cleanup. 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. 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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. When using, do not smoke. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breast-feeding women must not handle this product. 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. Keep away from heat, sparks and open flame. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. 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. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Туре | Value | Form |
|-------------------------------|------|------------------|----------------|
| Diphenyl ether (CAS 101-84-8) | PEL | 7 mg/m³ 1 ppm | Vapor Vapor |

US. ACGIH Threshold Limit Values

| Components | Туре | Value | Form |
|---|-------------|---------------------|-------------------------------------|
| alpha-Pinene (CAS 80-56-8) | TWA | 20 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. |
| Diphenyl ether (CAS 101-84-8) | STEL TWA | 2 ppm 1 ppm | Vapor. Vapor. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Туре | Value | Form |
|---|------|----------------------|------------------|
| Butylated hydroxytoluene (CAS 128-37-0) | TWA | 10 mg/m ³ | |
| Diphenyl ether (CAS 101-84-8}) | TWA | 7 mg/m³ 1 ppm | Vapor. Vapor. |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Туре | Value |
|-------------------------------|------|------------------------|
| Benzyl Alcohol (CAS 100-51-6) | TWA | 44.2 mg/m ³ |
| Vanillin (CAS 121-33-5) | TWA | 10 ppm 10 mg/m³ |

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

Appearance: Golden to Dark Yellow

Physical State: Liquid Form: Liquid

Color: Not available

Odor: Characteristic of name

Odor Threshold:

pH:

Not available

Not available

Melting/Freezing Point:69.8°F (21°C) estimatedInitial Boil Point/Range:613.4°F (323°C) estimatedFlash Point:172.0°F (77.8°C) Closed cup

Evaporation Rate:Flammability (solid, gas):
Not available
Not applicable

Vapor Pressure: 0.094 hPa estimated

Vapor Pressure Temperature:Not availableVapor Density:Not availableRelative Density:Not available

Solubility(ies)

Solubility (Water): NO

Solubility (Other): Not available

Auto-Ignition Temperature: 896°F (480°C) estimated

Decomposition Temperature:Not availableViscosity:Not availableExplosive Properties:Not explosiveOxidizing Properties:Not oxidizing

9.2 Other Information

Density: 8.49 lbs/gal estimated

Hydrocarbons Percent:

Refractive Index:

Specific Gravity:

VOC (Weight %):

Not determined

0.986 - 1.026

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

No dangerous reaction known under conditions of normal use.

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: Expected to be a low ingestion hazard.

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 |
|---|---------|-------------------|
| Benzyl alcohol (CAS 100-51-6 <u>Acute</u> Oral LD50 | Rat | 1230 - 3100 mg/kg |
| Citral (CAS 5392-40-5) Acute Dermal LD50 | Rat | > 200 mg/kg |
| Piperonal (CAS 120-57-0) Acute Oral LD50 | Rat | 2700 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. **Respiratory Sensitization:** Not a respiratory sensitizer.

Skin Sensitization: May cause an allergic skin reaction.

ACGIH Sensitization

CITRAL, INHALABLE FRACTION AND VAPOR

(CAS 5392-40-5) Dermal sensitization.
TURPENTINE AND SELECTED MONOTERPENES
(CAS 80-56-8) 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: Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Butylated hydroxytoluene

(CAS 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: 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

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Components | | Test Results |
|---|---|--------------|
| Dihydromyrcenol (CAS 18479-58-8) | - | - |
| Lemon oil (CAS 8008-56-8) | - | - |
| p-t-Butyl-alpha-methylhydrocinnamic aldehyde (CAS 80-54-6) | - | - |

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) | | |
|---|------|--|
| alpha-Pinene | 4.83 | |
| Benzyl alcohol | 1.1 | |
| Benzyl benzoate | 3.97 | |
| Diphenyl ether | 4.21 | |
| Linalool | 2.97 | |
| 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.

IATA

UN Number: UN3082

UN Proper Shipping Name: Environmentally hazardous substance,

liquid, n.o.s. (Benzyl benzoate)

Transport Hazard Class(es)

Class: 9
Subsidiary Risk: Packing Group: III
Environmental Hazards: Yes.
ERG Code 9L

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: UN3082

UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl

benzoate) MARINE POLLUTANT

Transport Hazard Class(es)

Class: 9
Subsidiary Risk: Packing Group: III

Environmental Hazards

Marine Pollutant: Yes. EmS: F-A. S-F

Special Precautions for User: Read safety instructions, SDS and

emergency procedures before handling.

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

Not established.

ADR; IATA; IMDG

Marine Pollutant





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 regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes 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.

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

Piperonal (CAS 120-57-0) 20% WV

DEA Exempt Chemical Mixtures Code Number

Piperonal (CAS 120-57-0) 8750

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Diphenyl ether (CAS 101-84-8) Low priority

15.2 US State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (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 |
| 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: B

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.