## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 **Product name:** Lemon Verbena Fragrance Oil  
**Product code:** 303-238X

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](http://www.TheSage.com)

1.4 **Emergency telephone number**  
No additional information available

## SECTION 2: Hazards Identification

### 2.1 Physical hazards  
Flammable liquids Category 3

### 2.2 Health hazards  
- Acute toxicity, oral Category 4  
- Acute toxicity, inhalation Category 4  
- Skin corrosion/irritation Category 2  
- Serious eye damage/irritation Category 2  
- Sensitization, skin Category 1  
- Carcinogenicity Category 2

### 2.3 Environmental hazards  
- Hazardous to the aquatic environment acute hazard Category 2  
- Hazardous to the aquatic environment long-term hazard Category 2

### 2.4 OSHA defined hazards  
Not classified
2.5 Label elements

Signal Word: Warning

2.6 Hazard Statements

Flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. Suspected of causing cancer. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.7 Precautionary Statements

Prevention:
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Wear eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection.

Response:
If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

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

Disposal
Dispose of contents/container in accordance with local/ regional/ national/ international regulations.
2.8 Hazard(s) not otherwise classified (HNOC)
None known

2.9 Supplemental information
95.99% of the mixture consists of component(s) of unknown acute oral toxicity. 73.37% of the mixture consists of component(s) of unknown acute inhalation toxicity. 75.85% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 50.11% 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethyl phthalate</td>
<td>84-66-2</td>
<td>20 - &lt; 30*</td>
</tr>
<tr>
<td>Lemon Terpenes</td>
<td>68917-33-9</td>
<td>10 - &lt; 20*</td>
</tr>
<tr>
<td>Lemongrass oil</td>
<td>8007-02-1</td>
<td>5 - &lt; 10*</td>
</tr>
<tr>
<td>Lime oil terpenes</td>
<td>68917-71-5</td>
<td>5 - &lt; 10*</td>
</tr>
<tr>
<td>Linalool</td>
<td>78-70-6</td>
<td>5 - &lt; 10*</td>
</tr>
<tr>
<td>Linalyl acetate</td>
<td>115-95-7</td>
<td>5 - &lt; 10*</td>
</tr>
<tr>
<td>1,3,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta-gamma-2-benzopyran</td>
<td>1222-05-5</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>3 and 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde</td>
<td>31906-04-4</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Benzyl acetate</td>
<td>140-11-4</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Dihydromyrcenol</td>
<td>18479-58-8</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Geranyl acetate</td>
<td>105-87-3</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Grapefruit oil</td>
<td>8016-20-4</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Lavandin abrialis oil</td>
<td>8022-15-9</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Lime oil</td>
<td>8008-26-2</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Orange oil</td>
<td>8008-57-9</td>
<td>&lt; 1*</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1 First aid measures

**Inhalation**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact**
Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorder: 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. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs. Get medical advice/attention if you feel unwell.
4.2 Most important symptoms and effects, both 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 any 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 warm. Keep victim under observation. Symptoms may be delayed.

4.4 General information
Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. 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.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special 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 Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

5.4 Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

5.5 Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

5.6 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, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. 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
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc) away from spilled material.
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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. 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. 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
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures again static discharges. All equipment use when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Should be handles in closed systems, if possible. Use only outdoors or in a well-ventilated area. 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 Occupational exposure limits

U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphenyl ether (CAS 101-84-8)</td>
<td>PEL</td>
<td>7 mg/m3</td>
<td>Vapor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
<td>Vapor</td>
</tr>
<tr>
<td>U.S. ACGIH Threshold Limit Value</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>alpha-Pinene (CAS 80-56-8)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Benzyl acetate (CAS 140-11-4)</td>
<td>TWA</td>
<td>10 ppm</td>
<td></td>
</tr>
<tr>
<td>Butylated hydroxytoluene (CAS 128-37-0)</td>
<td>TWA</td>
<td>2 mg/m3</td>
<td>Inhalable fraction and vapor</td>
</tr>
<tr>
<td>Citral (CAS 5392-40-5)</td>
<td>TWA</td>
<td>5 ppm</td>
<td>Inhalable fraction and vapor</td>
</tr>
<tr>
<td>Diethyl phthalate (CAS 84-66-2)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Diphenyl ether (CAS 101-84-8)</td>
<td>STEL</td>
<td>2 ppm</td>
<td>Vapor</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
<td>Vapor</td>
</tr>
</tbody>
</table>

U.S. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated hydroxytoluene (CAS 128-37-0)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Diethyl phthalate (CAS 84-66-2)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Diphenyl ether (CAS 101-84-8)</td>
<td>TWA</td>
<td>7 mg/m3</td>
<td>Vapor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
<td>Vapor</td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Benzyl alcohol (CAS 100-51-6)</td>
<td>TWA</td>
<td>44.2 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 ppm</td>
<td></td>
</tr>
</tbody>
</table>

### 8.2 Biological limit values
No biological exposure limits noted for the ingredient(s).

### 8.3 Exposure guidelines

#### U.S. ACGIH Threshold Limit Values: Skin designation
- **Citral (CAS 5392-40-5)** Can be absorbed through the skin.

### 8.4 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 facilities and emergency shower must be available when handling this product.

### 8.5 Individual protection measures, such as personal protective equipment
- **Eye/face protection** Chemical respirator with organic vapor cartridge and full face piece.
- **Skin protection**
  - **Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
  - **Other** Wear appropriate chemical resistant 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.

### 8.6 General hygiene considerations
When using do not smoke. Keep away from food and drink. 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 Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Medium to Golden Yellow</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>-40.9 °F (-40.5 °C) estimated</td>
</tr>
<tr>
<td>Initial boiling point/range</td>
<td>508.79 °F (264.88 °C) estimated</td>
</tr>
<tr>
<td>Flash point</td>
<td>134.1 °F (56.7 °C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>0.065 hPa estimated</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>NO</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>855 °F (457.22 °C) estimated</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Other information</td>
<td>Density 8.46 lbs/gal estimated</td>
</tr>
<tr>
<td>Density</td>
<td>8.46 lbs/gal estimated</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.4775 - 1.4825</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.914 - 0.954</td>
</tr>
</tbody>
</table>

### 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. Contact with incompatible materials.

10.5 Incompatible materials
Strong acids. Strong oxidizing agents.

10.6 Hazardous decomposition
No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on likely routes of exposure
- Inhalation: Harmful in inhaled
- Skin contact: Causes skin irritation. May cause an allergic skin reaction.
- Eye contact: Causes serious eye irritation
- Ingestion: Harmful if swallowed

11.2 Symptoms related to the physical, chemical and 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

11.3 Information on toxicological effects
- Acute toxicity: Harmful if inhaled. Harmful if swallowed. May cause an allergic skin reaction.
- Skin corrosion/irritation: Causes skin irritation
- Serious eye damage/irritation: Causes serious eye irritation

11.4 Respiratory or skin sensitization
- ACGIH Sensitization
  - alpha-Pinene (CAS 80-56-8): Dermal sensitization
  - Citral (CAS 5392-40-5): Dermal sensitization
  - Respiratory sensitization: Not a respiratory sensitizer
  - Skin sensitization: May cause an allergic skin reaction

11.5 Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

11.6 Carcinogenicity
Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity
- Benzyl acetate (CAS 140-11-4): 3 Not classifiable as to carcinogenicity to humans
- Butylated hydroxytoluene (CAS 128-37-0): 3 Not classifiable as to carcinogenicity to humans
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed

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

11.8 Specific target organ toxicity single exposure
Not classified

11.9 Specific target organ toxicity repeated exposure
Not classified

11.10 Aspiration hazard
Not an aspiration hazard

11.11 Chronic effects
Prolonged inhalation may be harmful

SECTION 12: Ecological information

12.1 Ecotoxicity
Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability
No data available on the degradability of this product.

12.3 Bio accumulative potential

Partition coefficient n-octanol/water (log Kow)

<table>
<thead>
<tr>
<th>Compound</th>
<th>log Kow</th>
</tr>
</thead>
<tbody>
<tr>
<td>alpha-Pinene</td>
<td>4.83</td>
</tr>
<tr>
<td>Benzyl acetate</td>
<td>1.96</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>1.1</td>
</tr>
<tr>
<td>Diethyl phthalate</td>
<td>2.47</td>
</tr>
<tr>
<td>Diphenyl ether</td>
<td>4.21</td>
</tr>
<tr>
<td>Linalool</td>
<td>2.97</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil
No data available.

12.5 Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
SECTION 13: Disposal considerations

13.1 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.

13.2 Local disposal regulations
Dispose in accordance with all applicable regulations.

13.3 Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13.4 Waste from residues/unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and it’s container must be disposed of in a safe manner (see Disposal instructions).

13.5 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
UN proper shipping name
Extracts, aromatic, liquid
Transport hazard class(es)
Class
3
Subsidiary risk
-
Label(s)
3
Packing group
III
Special precautions
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 Read safety instructions, SDS and emergency procedures before handling.

Other Information
   Passenger and Allowed
   Cargo aircraft
   Cargo aircraft only Allowed

IMDG
UN Number UN1169
UN proper shipping name Extracts, aromatic, liquid
Transport hazard class(es)
   Class 3
   Subsidiary risk -
Packing group III
Environmental hazards No.
Marine pollutant No
EmS F-E, S-D
Special precautions 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)
Diethyl phthalate (CAS 84-66-2) Listed

SARA 304 Emergency release notification
Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed

15.2 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

15.3 Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated
Safe Drinking Water Act (SDWA)
Not regulated

15.4 U.S. State Regulations

U.S. California Controlled Substances. CA Department of Justice
(California Health and Safety Code Section 11100)
Not listed

Diethyl phthalate (CAS 84-66-2)

U.S. Massachusetts RTK - Substance List
alpha-Pinene (CAS 80-56-8)
Benzyl alcohol (CAS 100-51-6)
Butylated hydroxytoluene (CAS 128-37-0)
Diethyl phthalate (CAS 84-66-2)
Diphenyl ether (CAS 101-84-8)

U.S. New Jersey Worker and Community Right-to-Know Law
alpha-Pinene (CAS 80-56-8)
Benzyl acetate (CAS 140-11-4)
Butylated hydroxytoluene (CAS 128-37-0)
Diethyl phthalate (CAS 84-66-2)
Diphenyl ether (CAS 101-84-8)

U.S. Pennsylvania Worker and Community Right-to-Know Law
alpha-Pinene (CAS 80-56-8)
Benzyl alcohol (CAS 100-51-6)
Butylated hydroxytoluene (CAS 128-37-0)
Diethyl phthalate (CAS 84-66-2)
Diphenyl ether (CAS 101-84-8)

U.S. Rhode Island RTK
Diethyl phthalate (CAS 84-66-2)

U.S. California Proposition 65
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.
15.5 International Inventories

<table>
<thead>
<tr>
<th>Country(s) or Region</th>
<th>Inventory Name</th>
<th>On inventory or exempt (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*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 product 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.