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

1.1 Product Name: Gardenia Fragrance Oil
   Product Code: 303-274X

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
   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)
   Acute Toxicity Oral, Category 5 H303: May be harmful if swallowed
   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 1A 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
   Reproductive Toxicology, 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
Classification OSHA (Provision 1910.1200 of title 29)

Flammability Class IIIIB Combustible Liquid
Acute Dermal/Eye 12: Causes moderate skin irritation
16: Causes eye irritation
9: Harmful if absorbed through the skin
Acute Inhalation 23: May cause respiratory tract irritation
25: Inhalation at high levels may cause: anesthesia, tremors, labored breathing, hypothermia, lethargy, ataxia.
Acute Oral 2: Harmful if swallowed
Reproductive/Developmental 39: Causes reproductive/developmental toxicity in animals.
Sensitization/Allergic Response 31: May cause allergic skin reaction
Target Organ Effects 26: Prolonged or repeated ingestion may cause damage to: kidneys, adrenal glands, liver, stomach, brain, tongue, mucos membranes, musculo-skeletal system, male reproductive system
28: Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin, testes
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

![Pictograms]

Signal Word: Warning

Hazard Statements
H303 May be harmful if swallowed
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
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 the safety precautions have been read and understood
P264 Wash hands thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace
P273 Avoid release to the environment
P281 Use personal protective equipment as required

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
P308+P313 If exposed or concerned: Get medical advice/attention
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
P362 Take off contaminated clothing and wash before reuse
P363 Wash contaminated clothing before reuse
P391 Collect spillage

2.3 Other Hazards
No data available
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):

<table>
<thead>
<tr>
<th>CAS # Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Class.</th>
<th>OSHA Class.</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-51-4</td>
<td>204-402-9</td>
<td>30-40%</td>
<td>H302; H313; H400; H411</td>
<td>28, 3</td>
</tr>
<tr>
<td>Benzyl Benzoate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>118-58-1</td>
<td>204-262-9</td>
<td>10-20%</td>
<td>H303; H317; H320; H401; H412</td>
<td>31</td>
</tr>
<tr>
<td>Benzyl Salicylate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>140-11-4</td>
<td>205-399-7</td>
<td>5-10%</td>
<td>H303; H316; H401; H412</td>
<td>15, 25, 26, 31, 39</td>
</tr>
<tr>
<td>Benzyl acetate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>80-54-6</td>
<td>201-289-8</td>
<td>5-10%</td>
<td>H227; H302; H315; H317; H361; H401; H412</td>
<td>11, 15, 26, 28, 3, 31, 39</td>
</tr>
<tr>
<td>Butylphenyl Methylpropional</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101-86-0</td>
<td>202-983-3</td>
<td>5-10%</td>
<td>H303; H316; H317; H400; H411</td>
<td>11, 15</td>
</tr>
<tr>
<td>Hexyl cinnamaldehyde</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>60-12-8</td>
<td>200-456-2</td>
<td>2-5%</td>
<td>H302; H313; H316; H319</td>
<td>11, 15, 3</td>
</tr>
<tr>
<td>Phenethyl alcohol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>89-43-0</td>
<td>201-908-1</td>
<td>2-5%</td>
<td>H316</td>
<td></td>
</tr>
<tr>
<td>Hydroxycitronellal-methyl anthranilate (Schiff base)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>122-40-7</td>
<td>204-541-5</td>
<td>2-5%</td>
<td>H303; H316; H317; H401; H411</td>
<td>11, 15</td>
</tr>
<tr>
<td>Amyl Cinnamal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS # Ingredient</td>
<td>EC#</td>
<td>Conc. Range</td>
<td>GHS Class.</td>
<td>OSHA Class.</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>78-70-6</td>
<td>201-134-4</td>
<td>2-5%</td>
<td>H227; H303; H315; H317; H319; H402</td>
<td>12, 26</td>
</tr>
<tr>
<td><strong>Linalool</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>134-20-3</td>
<td>205-132-4</td>
<td>2-5%</td>
<td>H303; H316; H319; H401; H402</td>
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</tr>
<tr>
<td><strong>Methyl anthranilate</strong></td>
<td></td>
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<tr>
<td>93-92-5</td>
<td>202-288-5</td>
<td>2-5%</td>
<td>H227; H402</td>
<td></td>
</tr>
<tr>
<td><strong>methylbenzyl acetate</strong></td>
<td></td>
<td></td>
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<tr>
<td>104-67-6</td>
<td>203-225-4</td>
<td>2-5%</td>
<td>H316; H401; H402; H412</td>
<td>11</td>
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<tr>
<td><strong>gamma-Undecalactone</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>98-55-5</td>
<td>202-680-6</td>
<td>2-5%</td>
<td>H227; H303; H315; H319; H401</td>
<td>11, 15, 23</td>
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<td><strong>alpha-Terpineol</strong></td>
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<tr>
<td>123-11-5</td>
<td>204-602-6</td>
<td>1-2%</td>
<td>H303; H402</td>
<td></td>
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<tr>
<td><strong>Anisaldehyde</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>107-75-5</td>
<td>203-518-7</td>
<td>1-2%</td>
<td>H317; H319; H402</td>
<td>11, 15, 31</td>
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<tr>
<td><strong>Hydroxycitronellal</strong></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>97-53-0</td>
<td>202-589-1</td>
<td>1-2%</td>
<td>H303; H316; H317; H319; H401</td>
<td>11, 15, 31</td>
</tr>
<tr>
<td><strong>Eugenol</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104-61-0</td>
<td>203-219-1</td>
<td>1-2%</td>
<td>H316</td>
<td>12, 15</td>
</tr>
<tr>
<td><strong>gamma-Nonalactone</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>120-72-9</td>
<td>204-420-7</td>
<td>1-2%</td>
<td>H302; H311</td>
<td>11, 15, 2, 9</td>
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<tr>
<td><strong>Indole</strong></td>
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<tr>
<td>115-95-7</td>
<td>204-116-4</td>
<td>1-2%</td>
<td>H227; H315; H317; H319; H402</td>
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<tr>
<td><strong>Linalyl acetate</strong></td>
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<td></td>
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<td></td>
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<tr>
<td>106-24-1</td>
<td>203-377-1</td>
<td>0.1-1.0%</td>
<td>H303; H315; H317; H318; H402</td>
<td>11, 15, 31</td>
</tr>
<tr>
<td><strong>Geraniol</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 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 Exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**Skin Exposure:** Remove contaminated clothes. Wash thoroughly with water and soap. Contact physician if symptoms persist.

**Ingestion:** Rinse mouth with water and obtain medical advice.

---

<table>
<thead>
<tr>
<th>CAS # Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Class.</th>
<th>OSHA Class.</th>
</tr>
</thead>
<tbody>
<tr>
<td>106-22-9</td>
<td>203-375-0</td>
<td>0.1-1.0%</td>
<td>H303; H313; H315; H317; H319; H401</td>
<td>11, 15</td>
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<td><strong>Citronellol</strong></td>
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<td>106-25-2</td>
<td>203-378-7</td>
<td>0.1-1.0%</td>
<td>H303; H313; H315; H317; H318; H401</td>
<td>15</td>
</tr>
<tr>
<td><strong>Nerol</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>81-14-1</td>
<td>201-328-9</td>
<td>0.1-1.0%</td>
<td>H316; H351; H400; H410</td>
<td>11, 15</td>
</tr>
<tr>
<td><strong>Musk ketone</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>103-95-7</td>
<td>203-161-7</td>
<td>0.1-1.0%</td>
<td>H227; H303; H315; H317; H401; H412</td>
<td>11, 15, 32</td>
</tr>
<tr>
<td><strong>2-Methyl-3-(p-isopropylphenyl)propionaldehyde</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>97-54-1</td>
<td>202-590-7</td>
<td>0.1-1.0%</td>
<td>H302; H312; H315; H317; H319; H401</td>
<td>12, 15, 3, 31, 9</td>
</tr>
<tr>
<td><strong>Iso Eugenol</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See Section 16 for full text of GHS classification codes  
Total Hydrocarbon Content (% w/w) = 0.12
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 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 (CO$_2$), 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 spillage 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TWA ppm</th>
<th>ACGIH STEL ppm</th>
<th>OSHA TWA ppm</th>
<th>OSHA STEL ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>140-11-4 Benzyl acetate</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   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: Greenish Yellow (G5-6)
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@20C): 0.0186
%VOC: 9.5
Specific Gravity @ 25 C: 1.0450
Density @ 25 C: 1.0420
Refractive Index @ 20 C: 1.5330
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
11.1 Toxicological Effects
Acute Toxicity Estimates (ATEs) based on individual Ingredient Toxicity Data utilizing the “Additivity Formula”

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity-Oral-(Rat) mg/kg</td>
<td>(LD50: 2,197.45)</td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>Acute Toxicity-Dermal (Rabbit) mg/kg</td>
<td>(LD50: 3,493.81)</td>
<td>May be harmful in contact with skin</td>
</tr>
<tr>
<td>Acute Toxicity-Inhalation (Rat) mg/L/4hr</td>
<td>(LC50: 51.07)</td>
<td>May be harmful if inhaled</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td></td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>Serious Eye Damage/Irritation</td>
<td></td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
<td></td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td></td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
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<td>Not classified - the classification criteria are not met</td>
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<tr>
<td>Carcinogenicity</td>
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<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td></td>
<td>Suspected of damaging fertility or the unborn child</td>
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<tr>
<td>Specific Target Organ Toxicity Single Exposure</td>
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<tr>
<td>Specific Target Organ Toxicity Repeated Exposure</td>
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<tr>
<td>Aspiration Hazard</td>
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<td>Not classified - the classification criteria are not met</td>
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</table>

12.1 Toxicity

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Aquatic Toxicity</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>Chronic Aquatic Toxicity</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>Toxicity Data on Soil</td>
<td>No data available</td>
</tr>
<tr>
<td>Toxicity on Other Organisms</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Regulator</th>
<th>Class</th>
<th>Pack Group</th>
<th>UN-Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT (Non-Bulk)</td>
<td>Not regulated - Not Dangerous Goods</td>
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<td></td>
</tr>
<tr>
<td>Chemical NOI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADR/RID (International Road/Rail)</td>
<td></td>
<td>III</td>
<td>UN3082</td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
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<td>III</td>
<td>UN3082</td>
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<tr>
<td>IATA (Air Cargo)</td>
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<td>III</td>
<td>UN3082</td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td>UN3082</td>
</tr>
<tr>
<td>IMDG (Sea)</td>
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<td>III</td>
<td>UN3082</td>
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</tbody>
</table>

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(NF 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. The following components are
NOT on the list:

211299-54-6  427-580-1  <= 10 ppm  4H-4a,9-Methanozuleno[5,6-d]-1,3-
dioxole,octahydro-2,2,5,8,89a-
hexamehtyl-,4aR,5R,7aS,9R

SECTION 16: Other Information

16.1 GHS H-Statements Referred to Under Section 3

H227: Combustible liquid  H302: Harmful if swallowed
H311: Toxic in contact with skin  H312: Harmful in contact with skin
H316: Causes milk skin irritation  H317: May cause an allergic skin
H318: Causes serious eye damage  response
H351: Suspected of causing cancer  H320: Causes eye irritation
H402: Harmful to aquatic life  H401: Toxic to aquatic life
H412: Harmful to aquatic life with long  H410: Very toxic to aquatic life with long
lastirg effects  lasting effects

16.2 Total Fractional Values

(TFV) Risk
(1.32) Skin Corrosion/Irritation, Category
(20.00) Sensitization, Skin, Category 1A
(3.78) Eye Damage/Eye Irritation, Category 2A
(52.00) Reproductive Toxicology, Category 2
(1.57) Aquatic Acute Toxicity, Category 1
(1.84) 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.