1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- **Trade Name:** Bayberry
- **Product/Sales No:** BayberryLW

1.2 Relevant identified product use

- **Intended use:** Compound used in customer substance/mixture/product

1.3 Details of the manufacturer/supplier of the safety data sheet

- **Manufacturer:** Rustic Escentuals
  
  1050 Canaan Road
  
  Roebuck, SC 29376 USA
  
  P:864-582-9335 F:864-582-9334
  
  http://www.rusticescentuals.com

1.4 Emergency telephone number

- **(800) 255-3924** Domestic USA, Canada, Puerto Rico, and US Virgin Islands
- **+1 813 248-0585** International

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)**

- Flammable Liquids, Category 4: H227: Combustible liquid
- Skin Corrosion/Irritation, Category 3: H316: Causes mild skin irritation
- Sensitization, Skin, Category 1A: H317: May cause an allergic skin reaction
- Acute Toxicity Inhalation, Category 5: H333: May be harmful if inhaled
- Carcinogenicity, Category 1B: H350: May cause cancer
- Aquatic Chronic Toxicity, Category 2: H411: Toxic to aquatic life with long lasting effects

**Classification OSHA (Provisions 1910.1200 of title 29)**

- Flammability: Class IIIA Combustible Liquid
- Acute Dermal/Eye: 12: Causes moderate skin irritation. 16: Causes eye irritation.
- Acute Oral: 3: May be harmful if swallowed or if aspirated into the lungs 4: Harmful if swallowed, can enter lungs and cause damage
- Genotoxicity: 36: Suspected of causing genetic defects
- Sensitization/Allergic Response: 31: May cause allergic skin reaction.
- Target Organ Effects: 28: Prolonged or repeated Dermal Exposure may cause damage to: kidneys, skin
- 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

- Labelling (REGULATION (EC) No 1272/2008)
- Hazard pictograms
Signal Word: Danger

Hazard statements

H227  Combustible liquid
H316  Causes mild skin irritation
H317  May cause an allergic skin reaction
H333  May be harmful if inhaled
H350  May cause cancer
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
P235  Keep cool
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
P308 + P313  IF exposed or concerned: Get medical advice/attention
P333 + P313  If skin irritation or a rash occurs: Get medical advice/attention
P363  Wash contaminated clothing before reuse
P370 + P378  In case of fire: Use Carbon dioxide (CO2), Dry chemical, or Foam for extinction. Do not use a direct water jet on burning material
P391  Collect Spillage

2.3 Other Hazards

no data available

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):

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Classification</th>
<th>OSHA Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>84-66-2</td>
<td>Diethyl phthalate</td>
<td>201-550-6</td>
<td>&gt; 80 %</td>
<td>H316; H402</td>
<td></td>
</tr>
<tr>
<td>125-12-2</td>
<td>Isobornyl acetate</td>
<td>204-727-6</td>
<td>2 - 5 %</td>
<td>H227; H316; H401</td>
<td>11, 15</td>
</tr>
</tbody>
</table>
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.

4.2 Most important symptoms and effects, both 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

Total Hydrocarbon Content (% w/w) = 3.99
8. Fire-Fighting 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 firefighting: Water may be ineffective

5.3 Advice for firefighters

Further information: Standard procedure for chemical fires

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

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

8. Exposure Controls/Personal Protection

8.1 Control parameters

<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>84-66-2</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80-56-8</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>127-91-3</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Engineering Controls:
Use local exhaust as needed.

### 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.

## 9. Physical and Chemical Properties
### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Conforms to Standard</td>
</tr>
<tr>
<td>Odor</td>
<td>Conforms to Standard</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Liquid</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flashpoint (CCCFP)</td>
<td>155 F (68.33 C)</td>
</tr>
<tr>
<td>Auto flammability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>None Expected</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None Expected</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg@20 C)</td>
<td>0.0689</td>
</tr>
<tr>
<td>%VOC</td>
<td>5.9603</td>
</tr>
<tr>
<td>Specific Gravity @ 25 C</td>
<td>1.0850</td>
</tr>
<tr>
<td>Density @ 25 C</td>
<td>1.0820</td>
</tr>
<tr>
<td>Refractive Index @ 20 C</td>
<td>1.4985</td>
</tr>
<tr>
<td>Solubility</td>
<td>Oil</td>
</tr>
</tbody>
</table>

## 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. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATES) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral - (Rat) mg/kg</td>
<td>(LD50: 6,580.99) Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Acute toxicity - Dermal - (Rabbit) mg/kg</td>
<td>(LD50: 8,205.32) Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation - (Rat) mg/L/4hr</td>
<td>(LC50: 21.85) May be harmful if inhaled</td>
</tr>
<tr>
<td>Skin corrosion / irritation</td>
<td>Causes mild skin irritation</td>
</tr>
<tr>
<td>Serious eye damage / irritation</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified - the classification criteria are not met</td>
</tr>
</tbody>
</table>

12. Ecological Information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic toxicity</td>
<td>Not classified - the classification criteria are not met</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 Bioaccumulate potential                 | no data available                                      |

12.4 Mobility in soil                        | no data available                                      |

12.5 Other adverse effects                   | no data available                                      |

13. Disposal Conditions

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.
14. Transport Information

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

15. Regulatory Information

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 the following components:
  - 84-66-2 201-550-6 > 80 % Diethyl phthalate

U.S. State Regulations:

- California Proposition 65 Warning: This product contains the following components:
  - 94-59-7 202-345-4 <= 50 ppm Safrole (NFS)
  - 123-35-3(NFS) 204-622-5 0.01 - 0.1 % beta-Myrcene (NFS)

Canadian Regulations:

- DSL / NDSL: 99.67% of the components are listed or exempt.
  - IFF#3076211 0.1 - 1.0 % Fir Essence OLIFFAC 0110 (IFF Compound)

16. Other Information

GHS H-Statements referred to under section 3

Total Fractional Values

<table>
<thead>
<tr>
<th>TFV Risk</th>
<th>TFV Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>(9.58) Skin Corrosion/Irritation, Category 3</td>
<td>(3.30) Sensitization, Skin, Category 1A</td>
</tr>
<tr>
<td>(4.18) Carcinogenicity, Category 1B</td>
<td>(3.16) Aquatic Chronic Toxicity, Category 2</td>
</tr>
</tbody>
</table>

Department issuing data sheet: Technical Support

Department E-mail address: TechSupport@RusticEscentuals.com
Remarks

This safety data sheet is based on the properties of the material known to Rustic Escentuals 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 Rustic Escentuals holds no responsibility. This document is not intended for quality assurance purposes.