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

1.1 Product identifier

   Trade Name: Amaretto

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

   Wellington Fragrance
   33306 Glendale St.
   Livonia, MI 48150 USA
   734-261-5531

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
   
   Flammable Liquids, Category 4                  H227 : Combustible liquid
   Acute Toxicity Oral, Category 4                H302 : Harmful if swallowed
   Skin Corrosion/Irritation, Category 3         H316 : Causes mild skin irritation
   Sensitization, Skin, Category 1B              H317 : May cause an allergic skin reaction
   Eye Damage/Eye Irritation, Category 2A        H319 : Causes serious eye irritation
   Target Organ Systemic Toxicity - Single       H335 : May cause respiratory irritation
   Exposure, Category 3-RI
   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 (Provisions 1910.1200 of title 29)
   
   Flammable Liquids, Category 4                  H227 : Combustible liquid
   Acute Toxicity Oral, Category 4                H302 : Harmful if swallowed
   Eye Damage/Eye Irritation, Category 2A        H319 : Causes serious eye irritation
   Target Organ Systemic Toxicity - Single       H335 : May cause respiratory irritation
   Exposure, Category 3-RI
   Aquatic Acute Toxicity, Category 1            H400 : Very Toxic to aquatic life

   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

   Labelling (REGULATION (EC) No 1272/2008)

   Hazard pictograms
Safety Data Sheet

Product: Amaretto
SKU#: ama

Signal Word: Warning

Hazard statements
- H227 Combustible liquid
- H302 Harmful if swallowed
- H316 Causes mild skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H400 Very Toxic to aquatic life
- H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention:
- P233 Keep container tightly closed
- P235 Keep cool
- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P272 Contaminated work clothing should not be allowed out of the workplace
- P273 Avoid release to the environment

Response:
- P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth
- P302 + P352 IF ON SKIN: Wash with soap and water
- P304 + P312 + P340 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing
- 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
- 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):
### CAS# Ingredient EC# Conc. Range GHS Classification

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Ingredient</th>
<th>EC#</th>
<th>Conc. Range</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-52-7</td>
<td>Benzaldehyde</td>
<td>202-860-4</td>
<td>40 - 50 %</td>
<td>H227; H302; H316; H319; H332; H335; H401</td>
</tr>
<tr>
<td>120-51-4</td>
<td>Benzyl Benzoate</td>
<td>204-402-9</td>
<td>10 - 20 %</td>
<td>H302; H313; H400; H411</td>
</tr>
<tr>
<td>104-87-0</td>
<td>p-Tolualdehyde</td>
<td>203-246-9</td>
<td>10 - 20 %</td>
<td>H227; H302; H316; H319</td>
</tr>
<tr>
<td>5989-27-5</td>
<td>Limonene</td>
<td>227-813-5</td>
<td>2 - 5 %</td>
<td>H226; H304; H315; H317; H400; H410</td>
</tr>
<tr>
<td>121-33-5</td>
<td>vanillin</td>
<td>204-465-2</td>
<td>2 - 5 %</td>
<td>H303; H319</td>
</tr>
<tr>
<td>105-95-3</td>
<td>Ethylene brassylate</td>
<td>203-347-8</td>
<td>2 - 5 %</td>
<td>H401</td>
</tr>
<tr>
<td>121-32-4</td>
<td>3-Ethoxy-4-hydroxybenzaldehyde</td>
<td>204-464-7</td>
<td>1 - 2 %</td>
<td>H303; H320; H402</td>
</tr>
<tr>
<td>469-61-4</td>
<td>alpha-Cedrene</td>
<td>207-418-4</td>
<td>1 - 2 %</td>
<td>H304; H316; H400</td>
</tr>
<tr>
<td>123-11-5</td>
<td>Anisaldehyde</td>
<td>204-602-6</td>
<td>1 - 2 %</td>
<td>H303; H402; H412</td>
</tr>
<tr>
<td>128-37-0</td>
<td>Butylated hydroxytoluene</td>
<td>204-881-4</td>
<td>1 - 2 %</td>
<td>H316; H400; H410</td>
</tr>
<tr>
<td>77-53-2</td>
<td>Cedrol Crystals</td>
<td>201-035-6</td>
<td>1 - 2 %</td>
<td>H227; H401; H411</td>
</tr>
</tbody>
</table>

See Section 16 for full text of GHS classification codes which where not shown in section 2

Total Hydrocarbon Content (% w/w) = 5.12

### 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
Treatment: Refer to Section 2.2 "Response"

5. 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 fire fighting: 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 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

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>128-37-0 Butylated hydroxytoluene</td>
<td></td>
<td>2</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.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid
Odor: Conforms to Standard
Color: Yellow to Pale Orange (G8-9)
Viscosity: Liquid
Freezing Point: Not determined
Boiling Point: Not determined
Melting Point: Not determined
Flashpoint (CCCFP): 150 F (65.56 C)
Auto flammability: Not determined
Explosive Properties: None Expected
Oxidizing properties: None Expected
Vapor Pressure (mmHg@20 C): 0.6537
%VOC: 0.65
Specific Gravity @ 25 C: 1.0410
Density @ 25 C: 1.0380
Refractive Index @ 20 C: 1.5420
Soluble in: Oil

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"

| Acute toxicity - Oral - (Rat) mg/kg         | (LD50: 1622.7636) Harmful if swallowed |
| Acute toxicity - Dermal - (Rabbit) mg/kg   | Not classified - the classification criteria are not met |
| Acute toxicity - Inhalation - (Rat) mg/L/4hr | Not classified - the classification criteria are not met |
| Skin corrosion / irritation                | Not classified - the classification criteria are not met |
| 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 | May cause respiratory irritation |
| Specific target organ toxicity - repeated exposure | Not classified - the classification criteria are not met |
| Aspiration hazard                          | Not classified - the classification criteria are not met |

12.  Ecological Information
12.1 Toxicity

| Acute aquatic toxicity                      | Very Toxic to aquatic life |
| 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 |

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

Marine Pollutant
Yes. Ingredient of greatest environmental impact:
120-51-4 : (10 - 20 %) : Benzyl Benzoate

<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>ADR/RID (International Road/Rail)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td></td>
<td>UN3082</td>
</tr>
<tr>
<td>IATA (Air Cargo)</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td></td>
<td>UN3082</td>
</tr>
<tr>
<td>IMDG (Sea)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmentally Hazardous Substance, Liquid, n.o.s.</td>
<td>9</td>
<td>III</td>
<td></td>
<td>UN3082</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 NO components of concern.

U.S. State Regulations
California Proposition 65 Warning This product contains the following components:
123-35-3(NF 204-622-5 0.01 - 0.1% beta-Myrcene (Natural Source)

Canadian Regulations
DSL 100.00% of the components are listed or exempt.

16. Other Information

GHS H-Statements referred to under section 3 and not listed in section 2
H226 : Flammable liquid and vapour
H304 : May be fatal if swallowed and enters airways
H315 : Causes skin irritation
H320 : Causes eye irritation
H401 : Toxic to aquatic life
H410 : Very toxic to aquatic life with long lasting effects
H303 : May be harmful if swallowed
H313 : May be harmful in contact with skin
H317 : May cause an allergic skin reaction
H332 : Harmful if inhaled
H402 : Harmful to aquatic life
H412 : Harmful to aquatic life with long lasting effects

Total Fractional Values
(TFV) Risk
(26.16) Aquatic Chronic Toxicity, Category 3
(6.76) Eye Damage/Eye Irritation, Category 2A
(2.61) Aquatic Chronic Toxicity, Category 2
(1.40) Aquatic Acute Toxicity, Category 1
(7.15) Skin Corrosion/Irritation, Category 3
(3.59) Sensitization, Skin, Category 1B
(2.48) Target Organ Systemic Toxicity - Single Exposure, Category 3-RI
(1.23) Acute Toxicity Oral, Category 4
Remarks

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