

PO BOX 337  
Necedah, WI 54646

Product: **Lavender**  
Product#: **FOLAVE**

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

### 1.1 Product identifier

Trade Name: Lavender

Product/Sales No: FOLAVE

UFI#

### 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

#### INDIGO FRAGRANCE

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### 1.4 Emergency telephone number

(24 Hours)

Chemtrec: 800-424-9300 (for U.S., Canada,  
Mexico) 703-527-3887 (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 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 1B                             | H317 : May cause an allergic skin reaction               |
| Eye Damage/Eye Irritation, Category 2A                       | H319 : Causes serious eye irritation                     |
| Acute Toxicity Inhalation, Category 5                        | H333 : May be harmful if inhaled                         |
| Target Organ Systemic Toxicity - Single Exposure, Category 2 | H371 : May cause damage to organs                        |
| Aquatic Acute Toxicity, Category 2                           | H401 : Toxic to aquatic life                             |
| Aquatic Chronic Toxicity, Category 3                         | H412 : Harmful to aquatic life with long lasting effects |

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

|  |  |
|--|--|
| Flammable Liquids, Category 4                                | H227 : Combustible liquid                  |
| Skin Corrosion/Irritation, Category 2                        | H315 : Causes 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 Exposure, Category 2 | H371 : May cause damage to organs          |

#### Classification Other

Carcinogenicity

This mixture contains ingredients identified as carcinogens, at 0.1% or greater, by the following: None [X] ACGIH [ ] IARC [ ] NTP [ ] OSHA [ ]

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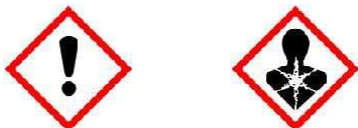
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**2.2 Label elements**

**Labelling (GHS)**

**Hazard pictograms**



**Signal Word: Warning**

**Hazard statements**

- |      |   |
|------|---|
| H227 | Combustible liquid                                |
| 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                         |
| H371 | May cause damage to organs                        |
| H401 | Toxic to aquatic life                             |
| H412 | Harmful to aquatic life with long lasting effects |

**Precautionary Statements**

**Prevention:**

- |      |   |
|------|---|
| P233 | Keep container tightly closed   |
| P235 | Keep cool   |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray                        |
| P264 | Wash hands thoroughly after handling                                  |
| P270 | Do not eat, drink or smoke when using this product                    |
| P271 | Use only outdoors or in a well-ventilated area                        |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P273 | Avoid release to the environment                                      |

**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      |
| P309               | IF exposed or you feel unwell:   |
| P311               | Call a POISON CENTER or doctor/physician   |
| 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  |
| 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 |

**2.3 Other Hazards**

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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#<br>Ingredient  | EC#       | Conc.<br>Range | GHS Classification                                   |
|---|-----------|----------------|--|
| <b>78-70-6</b><br><i>Linalool</i>   | 201-134-4 | 10 - 20 %      | H227; H303; H315; H317; H319; H402                   |
| <b>115-95-7</b><br><i>Linalyl Acetate</i>   | 204-116-4 | 10 - 20 %      | H227; H315; H317; H320; H402                         |
| <b>121-32-4</b><br><i>Ethyl Vanillin</i>  | 204-464-7 | 5 - 10 %       | H303; H320; H402                                     |
| <b>34590-94-8</b><br><i>PPG-2 methyl ether</i>  | 252-104-2 | 2 - 5 %        | H227   |
| <b>470-82-6</b><br><i>Eucalyptol</i>  | 207-431-5 | 2 - 5 %        | H226; H303; H317; H320; H402                         |
| <b>101-86-0</b><br><i>Hexyl cinnamal</i>  | 202-983-3 | 2 - 5 %        | H303; H316; H317; H400; H411                         |
| <b>76-22-2</b><br><i>Camphor</i>  | 200-945-0 | 2 - 5 %        | H228; H302; H315; H318; H332; H371; H401; H411       |
| <b>98-55-5</b><br><i>Terpineol</i>  | 202-680-6 | 1 - 2 %        | H227; H303; H315; H319; H401                         |
| <b>1222-05-5</b><br><i>Hexamethylindanopyran</i>  | 214-946-9 | 1 - 2 %        | H316; H400; H410                                     |
| <b>8007-35-0</b><br><i>Terpineol acetate</i>  | 232-357-5 | 1 - 2 %        | H316; H401; H411                                     |
| <b>91-64-5</b><br><i>Coumarin</i>   | 202-086-7 | 1 - 2 %        | H301; H317; H402                                     |
| <b>120-51-4</b><br><i>Benzyl Benzoate</i>   | 204-402-9 | 1 - 2 %        | H302; H313; H400; H411                               |
| <b>20665-85-4</b><br><i>Vanillin isobutyrate</i>  | 243-956-6 | 1 - 2 %        | H401   |
| <b>562-74-3</b><br><i>4-terpineol</i>   | 209-235-5 | 0.1 - 1.0 %    | H227; H302; H313; H315; H317; H320; H331; H336; H401 |
| <b>118-58-1</b><br><i>Benzyl Salicylate</i>   | 204-262-9 | 0.1 - 1.0 %    | H303; H317; H320; H401; H412                         |
| <b>87-44-5</b><br><i>Beta-Caryophyllene</i>   | 201-746-1 | 0.1 - 1.0 %    | H304; H317   |
| <b>35044-57-6</b><br><i>2,4-Cyclohexadiene-1-carboxylic Acid, 2,6,6-trimethyl-, ethyl ester</i> | 252-333-8 | 0.1 - 1.0 %    | H227; H317; H412                                     |

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| CAS#<br>Ingredient | EC# | Conc.<br>Range | GHS Classification |
|--------------------|-----|----------------|--------------------|
|--------------------|-----|----------------|--------------------|

See Section 16 for full text of GHS classification codes

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

Total Hydrocarbon Content (% w/w) = 0.79

## 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 (CO<sub>2</sub>), 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.

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**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:**

| Component                            | ACGIH<br>TWA ppm | ACGIH<br>STEL ppm | OSHA<br>TWA ppm | OSHA<br>STEL ppm |
|--------------------------------------|------------------|-------------------|-----------------|------------------|
| 76-22-2 <i>Camphor</i>               |                  | 2                 | 3               |                  |
| 34590-94-8 <i>PPG-2 methyl ether</i> | 100              |                   | 150             | 100              |

**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**

|                              |  |
|------------------------------|--|
| <b>Appearance:</b>           | Liquid                                 |
| <b>Odor:</b>                 | Conforms to Standard                   |
| <b>Color:</b>                | Nearly Colorless(G0) - Yellow Tint(G1) |
| <b>Viscosity:</b>            | Liquid                                 |
| <b>Freezing Point:</b>       | Not determined                         |
| <b>Boiling Point:</b>        | Not determined                         |
| <b>Melting Point:</b>        | Not determined                         |
| <b>Flashpoint (CCCFP):</b>   | 190 F (87.78 C)                        |
| <b>Auto flammability:</b>    | Not determined                         |
| <b>Explosive Properties:</b> | None Expected                          |
| <b>Oxidizing properties:</b> | None Expected                          |

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|                                     |        |
|-------------------------------------|--------|
| <b>Vapor Pressure (mmHg @20 C):</b> | 0.0661 |
| <b>%VOC:</b>                        | 17.55  |
| <b>Specific Gravity @ 25 C:</b>     | 0.9425 |
| <b>Density (g/mL) @ 25 C:</b>       | 0.9395 |
| <b>Refractive Index @ 20 C:</b>     | 1.4690 |
| <b>Soluble in:</b>                  | Oil    |

## 10. Stability and Reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | None   |
| <b>10.2 Chemical stability</b>                 | Stable   |
| <b>10.3 Possibility of hazardous reactions</b> | None known   |
| <b>10.4 Conditions to avoid</b>                | None known   |
| <b>10.5 Incompatible materials</b>             | Strong oxidizing agents, strong acids, and alkalis |
| <b>10.6 Hazardous decomposition products</b>   | None known   |

## 11. Toxicological Information

### 11.1 Toxicological Effects

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

|   |  |
|---|--|
| <b>Acute toxicity - Oral - (Rat) mg/kg</b>                | (LD50: 3772.4242) May be harmful if swallowed            |
| <b>Acute toxicity - Dermal - (Rabbit) mg/kg</b>           | (LD50: 4588.4112) May be harmful in contact with skin    |
| <b>Acute toxicity - Inhalation - (Rat) mg/L/4hr</b>       | (LD50: 81.9963) May be harmful if inhaled                |
| <b>Skin corrosion / irritation</b>                        | Causes skin irritation                                   |
| <b>Serious eye damage / irritation</b>                    | Causes serious eye irritation                            |
| <b>Respiratory sensitization</b>                          | Not classified - the classification criteria are not met |
| <b>Skin sensitization</b>                                 | May cause an allergic skin reaction                      |
| <b>Germ cell mutagenicity</b>                             | Not classified - the classification criteria are not met |
| <b>Carcinogenicity</b>                                    | Not classified - the classification criteria are not met |
| <b>Reproductive toxicity</b>                              | Not classified - the classification criteria are not met |
| <b>Specific target organ toxicity - single exposure</b>   | May cause damage to organs                               |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified - the classification criteria are not met |
| <b>Aspiration hazard</b>                                  | Not classified - the classification criteria are not met |

## 12. Ecological Information

### 12.1 Toxicity

|                                 |   |
|---------------------------------|---|
| <b>Acute aquatic toxicity</b>   | Toxic to aquatic life                             |
| <b>Chronic aquatic toxicity</b> | Harmful to aquatic life with long lasting effects |
| <b>Toxicity Data on soil</b>    | no data available                                 |

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**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** No

| Regulator   | Class                               | Pack Group | Sub Risk | UN-nr. |
|---|-------------------------------------|------------|----------|--------|
| <b>U.S. DOT (Non-Bulk)</b><br>Chemicals NOI               | Not Regulated - Not Dangerous Goods |            |          |        |
| <b>ADR/RID (International Road/Rail)</b><br>Chemicals NOI | Not Regulated - Not Dangerous Goods |            |          |        |
| <b>IATA (Air Cargo)</b><br>Chemicals NOI                  | Not Regulated - Not Dangerous Goods |            |          |        |
| <b>IMDG (Sea)</b><br>Chemicals NOI                        | Not Regulated - Not Dangerous Goods |            |          |        |

## 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:  
1222-05-5 214-946-9 1 - 2 % Hexamethylindanopyran

### U.S. State Regulations

**California Proposition 65 Warning** No Warning required

### 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

H228 : Flammable Solid



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H301 : Toxic if swallowed  
H304 : May be fatal if swallowed and enters airways  
H317 : May cause an allergic skin reaction  
H320 : Causes eye irritation  
H332 : Harmful if inhaled  
H400 : Very Toxic to aquatic life  
H410 : Very toxic to aquatic life with long lasting effects

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H302 : Harmful if swallowed  
H316 : Causes mild skin irritation  
H318 : Causes serious eye damage  
H331 : Toxic if inhaled  
H336 : May cause drowsiness or dizziness  
H402 : Harmful to aquatic life  
H411 : Toxic to aquatic life with long lasting effects

### Total Fractional Values

(TFV) Risk  
(60.98) Acute Toxicity Inhalation, Category 5  
(9.88) Aquatic Chronic Toxicity, Category 3  
(3.31) Skin Corrosion/Irritation, Category 3  
(2.56) Aquatic Acute Toxicity, Category 2  
  
(2.01) Eye Damage/Eye Irritation, Category 2B  
(1.09) Acute Toxicity Dermal, Category 5

(TFV) Risk  
(11.69) Sensitization, Skin, Category 1B  
(3.73) Eye Damage/Eye Irritation, Category 2A  
(2.73) Skin Corrosion/Irritation, Category 2  
(2.10) Target Organ Systemic Toxicity - Single Exposure, Category 2  
(1.33) Acute Toxicity Oral, Category 5

### Remarks

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