

# PLUME™

THE ART OF ATMOSPHERE

## Safety Data Sheet

*This Safety Data Sheet was prepared using supplier hazard data and classified in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Revision 1.0 | August 18, 2026

---

### 24-HOUR EMERGENCY CONTACT

CHEMTREC 1-800-424-9300

Contract ID: CCN1026268

#### SECTION 1

## Identification

---

|                    |                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name       | Wayfinder                                                                                                                                                                               |
| Product Code / SKU | P-CO-31                                                                                                                                                                                 |
| Product Type       | Fragrance Oil Blend                                                                                                                                                                     |
| Collection         | Coordinates                                                                                                                                                                             |
| Manufacturer       | <b>PLUME™</b><br><br>Louisiana, USA<br><a href="http://www.PlumeFragrance.com">www.PlumeFragrance.com</a><br><a href="mailto:contact@plumefragrance.com">contact@plumefragrance.com</a> |

#### Recommended Use

Fragrance ingredient for candles, melts, soap and home fragrance products. PLUME™ fragrances are carefully developed to deliver exceptional preformance in candle applications while remaining versatile for use across multiple fragranced products when used within applicable IFRA usage limits.

#### Restrictions on Use

Supplied as a fragrance ingredient for further manufacturing only. Not intended to be used undiluted or as a finished consumer product. Do not use in food, drugs, or apply directly to skin unless the finished product has been appropriately formulated, evaluated for safety, and complies with applicable regulations and IFRA Standards.

Prepared By PLUME™ Regulatory Affairs

# Hazard Identification

## Classification

### Hazard Class

Skin Corrosion / Irritation

### Category

2

Eye Damage / Irritation

2

Skin Sensitization

1

Hazardous to the Aquatic Environment, Acute

1

Hazardous to the Aquatic Environment, Long-term

2

### Signal Word: **WARNING**

### Hazard Statements

|             |                                                  |
|-------------|--------------------------------------------------|
| <b>H315</b> | Causes skin irritation.                          |
| <b>H319</b> | Causes serious eye irritation.                   |
| <b>H317</b> | May cause an allergic skin reaction.             |
| <b>H400</b> | Very toxic to aquatic life.                      |
| <b>H411</b> | Toxic to aquatic life with long lasting effects. |

### Precautionary Statements

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>P264</b>           | Wash hands and other contacted skin thoroughly after handling.                                                                   |
| <b>P273</b>           | Avoid release to the environment.                                                                                                |
| <b>P280</b>           | Wear protective gloves/eye protection/face protection.                                                                           |
| <b>P261</b>           | Avoid breathing vapour or dust.                                                                                                  |
| <b>P272</b>           | Contaminated work clothing should not be allowed out of the workplace.                                                           |
| <b>P305+P351+P338</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>P302+P352</b>      | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| <b>P337+P313</b>      | If eye irritation persists: Get medical advice/attention.                                                                        |
| <b>P333+P313</b>      | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| <b>P362</b>           | Take off contaminated clothing and wash before reuse.                                                                            |
| <b>P391</b>           | Collect spillage.                                                                                                                |
| <b>P501</b>           | Dispose of contents/container to approved disposal site, in accordance with local regulations.                                   |

### GHS Pictograms



### Other Hazards

Hydrocarbon Concentration %: 3.3527%

This substance/mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

# Composition / Information on Ingredients

| Chemical Name                               | CAS No.     | %       | GHS Classification                                                                                                                                   |
|---------------------------------------------|-------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl dihydrojasmonate                     | 24851-98-7  | 10–20%  | Aquatic Acute 2 (H401)                                                                                                                               |
| E- and Z-Oxacyclohexadec-12-en-2-one        | 111879-80-2 | 5–<10%  | Aquatic Acute 1 (H400); Aquatic Chronic 2 (H411)                                                                                                     |
| 3-O-Ethylphenyl-2,2-dimethylpropionaldehyde | 67634-14-4  | 5–<10%  | Skin Irrit. 2 (H315); Skin Sens. 1B (H317); Aquatic Acute 1 (H400); Aquatic Chronic 2 (H411)                                                         |
| Linalool                                    | 78-70-6     | 5–<10%  | Flam. Liq. 4 (H227); Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Skin Sens. 1B (H317); Aquatic Acute 3 (H402)                                        |
| 4-tert-Butylcyclohexyl acetate              | 32210-23-4  | 1–<5%   | Acute Tox. 5; Skin Sens. 1B; Aquatic Acute 2 (H403); H317; H401                                                                                      |
| Acetyl cedrene                              | 32388-55-9  | 1–<5%   | Acute Tox. 5; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1; H303; H317; H410                                                                    |
| Tricyclodecenyl acetate                     | 5413-60-5   | 1–<5%   | Acute Tox. 5; Skin Irrit. 2; Aquatic Acute 2; H303; H315; H401                                                                                       |
| Cedrenyl acetate                            | 1405-92-1   | 1–<5%   | Aquatic Acute 1 (H400); Aquatic Chronic 1 (H410)                                                                                                     |
| Linalyl acetate                             | 115-95-7    | 1–<5%   | Flam. Liq. 4 (H227); Skin Irrit. 2 (H315); Skin Sens. 1B (H317); Aquatic Acute 3 (H402)                                                              |
| d-Limonene                                  | 5989-27-5   | 1–<5%   | Flam. Liq. 3 (H226); Skin Irrit. 2 (H315); Skin Sens. 1B (H317); Aquatic Acute 1 (H400); Aquatic Chronic 2 (H411)                                    |
| Benzyl acetate                              | 140-11-4    | 1–<5%   | Acute Tox. 5 (H303); Aquatic Acute 2 (H401); Aquatic Chronic 3 (H412)                                                                                |
| Phenethyl alcohol                           | 60-12-8     | 1–<5%   | Acute Tox. 4 (H302); Acute Tox. 5 Skin Irrit. 3; Eye Irrit. 2A; H303; H316; H319                                                                     |
| Cedrol methyl ether                         | 19870-74-7  | 1–<5%   | Skin Sens. 1B (H317); Aquatic Acute 1 (H400); Aquatic Chronic 1 (H410)                                                                               |
| Dihydromyrcenol                             | 18479-58-8  | 0.1–<1% | Flam. Liq. 4; Acute Tox. 5; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H227; H303; H315; H319; H336                                                    |
| Octahydrocoumarin                           | 4430-31-3   | 0.1–<1% | Acute Tox. 5; Acute Tox. 5; Eye Dam. 1; Aquatic Acute 3; H303; H313; H318; H402                                                                      |
| 3,7-Dimethyl-1,6-nonadien-3-ol              | 10339-55-6  | 0.1–<1% | Flam. Liq. 4; Acute Tox. 5; Skin Irrit. 3; Eye Irrit. 2A; Skin Sens. 1B; Aquatic Acute 3; H227; H303; H316; H319; H317; H402                         |
| dl-Citronellol                              | 106-22-9    | 0.1–<1% | Acute Tox. 5; Acute Tox. 5; Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1B; Aquatic Acute 3; H303; H313; H315; H319; H317; H402                         |
| Nerolidol (isomer unspecified)              | 7212-44-4   | 0.1–<1% | Eye Irrit. 2A; Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 1; H319; H317; H410                                                                   |
| beta-Caryophyllene                          | 87-44-5     | 0.1–<1% | Skin Sens. 1B; Aquatic Acute 1 (H400); H317                                                                                                          |
| 6,6-Dimethyl-2,5,5-trimethylhex-2-ene       | 67674-46-8  | 0.1–<1% | Skin Irrit. 2; Skin Irrit. 2; Aquatic Acute 3; Aquatic Chronic 3; H227; H315; H412                                                                   |
| Neryl acetate                               | 141-12-8    | 0.1–<1% | Skin Sens. 1B; Aquatic Acute 2; H317; H401                                                                                                           |
| Methyl anthranilate                         | 134-20-3    | 0.1–<1% | Skin Sens. 1B; Aquatic Acute 2; H317; H401                                                                                                           |
| 3,7-Dimethyl-1-octanol                      | 106-21-8    | 0.1–<1% | Acute Tox. 5; Skin Irrit. 2; Eye Irrit. 2A; Aquatic Acute 2; H313; H315; H319; H401                                                                  |
| 3-Methylcyclopentadecenone                  | 82356-51-2  | 0.1–<1% | Skin Sens. 1B; Aquatic Acute 1; Aquatic Chronic 3; H317; H400; H412                                                                                  |
| 5-Cyclohexadecen-1-one                      | 37609-25-9  | 0.1–<1% | Acute Tox. 5; Aquatic Acute 1; Aquatic Chronic 1; H303; H410                                                                                         |
| Eucalyptol                                  | 470-82-6    | 0.1–<1% | Flam. Liq. 3; Acute Tox. 5; Eye Irrit. 2B; Skin Sens. 1B; Aquatic Acute 3; H226; H303; H320; H317; H402                                              |
| alpha-Terpineol                             | 98-55-5     | 0.1–<1% | Flam. Liq. 4; Acute Tox. 5; Acute Tox. 5; Skin Corr. 1B; Eye Dam. 1; STOT SE 2; H227; H303; H313; H314; H318; H371                                   |
| Camphor                                     | 76-22-2     | 0.1–<1% | Flam. Sol. 2; Acute Tox. 5; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 2; STOT SE 2; Aquatic Acute 2; H228; H303; H315; H318; H332; H371; H401 |
| Indole                                      | 120-72-9    | 0.1–<1% | Acute Tox. 4 (H302); Skin Irrit. 2 (H315); Eye Irrit. 2A (H319)                                                                                      |

## First Aid Measures

---

### Description of First Aid Measures

#### Inhalation:

Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

#### Eye Exposure:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Skin Exposure:

IF ON SKIN: Wash with plenty of soap and water.

#### Ingestion:

Rinse mouth with water and obtain medical attention.

### Most Important Symptoms and Effects, Both Acute and Delayed

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

None expected; see Section 4.1 for further information.

## Fire Fighting Measures

---

### Extinguishing Media

Suitable media: Carbon dioxide, dry chemical, foam.

### Special Hazards Arising from the Substance or Mixture

In case of fire, may be liberated: Carbon monoxide, unidentified organic compounds.

### Advice for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

## Accidental Release Measures

---

### Personal Precautions, Protective Equipment and Emergency Procedures

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Sections 7 and 8.

### Environmental Precautions

Keep away from drains, surface and ground water, and soil.

### Methods for Containment and Cleaning Up

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### Reference to Other Sections

Also refer to Sections 8 and 13.

## Handling and Storage

---

### **Precautions for Safe Handling**

Keep away from heat, sparks, open flames, and hot surfaces — no smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink, or smoke when using this product.

### **Conditions for Safe Storage**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### **Specific end use(s)**

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices

## Exposure Controls / Personal Protection

---

### **Workplace Exposure Limits**

Not applicable.

### **Eye / Skin Protection**

Wear protective gloves, eye protection, and face protection.

### **Respiratory Protection**

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

# Physical and Chemical Properties

|                                                                 |                                      |
|-----------------------------------------------------------------|--------------------------------------|
| <b>Appearance</b>                                               | Free flowing liquid without sediment |
| <b>Odour</b>                                                    | Characteristic                       |
| <b>Odour threshold</b>                                          | Not determined                       |
| <b>Melting point / freezing point</b>                           | Not determined                       |
| <b>Boiling point or initial boiling point and boiling range</b> | Not determined                       |
| <b>Flammability</b>                                             | Not determined                       |
| <b>Lower and upper explosion limit</b>                          | Not determined                       |
| <b>Flash point</b>                                              | >199 °F                              |
| <b>Auto-ignition temperature</b>                                | Not determined                       |
| <b>Decomposition temperature</b>                                | Not relevant                         |
| <b>pH</b>                                                       | Not determined                       |
| <b>Kinematic viscosity</b>                                      | Not determined                       |
| <b>Solubility</b>                                               | Not determined                       |
| <b>Partition coefficient: n-octanol/water (log value)</b>       | Not determined                       |
| <b>Vapour pressure</b>                                          | Not determined                       |
| <b>Density and/or relative density</b>                          | 0.0150 – 0.0150                      |
| <b>Relative vapour density</b>                                  | Not determined                       |
| <b>Particle characteristics</b>                                 | Not determined                       |
| <b>Other Information:</b>                                       |                                      |
| <b>Flash Point (Fahrenheit)</b>                                 | > 200 °F                             |
| <b>Refractive Index @ 20C</b>                                   | 0.0050 – 0.0050                      |

# Stability and Reactivity

## Reactivity

Presents no significant reactivity hazard, by itself or in contact with water

## Chemical Stability

Good stability under normal storage conditions.

## Possibility of Hazardous Reactions

Not expected under normal conditions of use.

## Conditions to Avoid

Avoid extreme heat.

## Incompatible Materials

Avoid contact with strong acids, alkalis, or oxidizing agents.

## Hazardous Decomposition Products

Not expected.

# Toxicological Information

This mixture has not been tested as a whole for health effects. Health effects have been calculated using the methods outlined in the UN GHS.

## Toxicological Classification

|                                          |                                                                   |
|------------------------------------------|-------------------------------------------------------------------|
| <b>Acute Toxicity</b>                    | Based on available data, the classification criteria are not met. |
| <b>Acute Toxicity (Oral)</b>             | >5000 mg/kg                                                       |
| <b>Acute Toxicity (Dermal)</b>           | >5000 mg/kg                                                       |
| <b>Acute Toxicity (Inhalation)</b>       | Not available                                                     |
| <b>Skin Corrosion / Irritation</b>       | Skin Corrosion / Irritation Category 2                            |
| <b>Serious Eye Damage / Irritation</b>   | Eye Damage / Irritation Category 2                                |
| <b>Respiratory or Skin Sensitization</b> | Sensitization – Skin Category 1                                   |
| <b>Germ Cell Mutagenicity</b>            | Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met. |
| <b>Reproductive Toxicity</b>             | Based on available data, the classification criteria are not met. |
| <b>STOT – Single Exposure</b>            | Based on available data, the classification criteria are not met. |
| <b>STOT – Repeated Exposure</b>          | Based on available data, the classification criteria are not met. |
| <b>Aspiration Hazard</b>                 | Based on available data, the classification criteria are not met. |

**Component Acute Toxicity Data**

| <b>Ingredient</b>              | <b>CAS No.</b> | <b>LD50/ATE Oral<br/>(mg/kg)</b> | <b>LD50/ATE Dermal<br/>(mg/kg)</b> | <b>LC50/ATE<br/>Inhalation</b> | <b>LC50 Route</b> |
|--------------------------------|----------------|----------------------------------|------------------------------------|--------------------------------|-------------------|
| 4-tert-Butylcyclohexyl acetate | 32210-23-4     | 3370                             | —                                  | —                              | —                 |
| Acetyl cedrene                 | 32388-55-9     | 4500                             | —                                  | —                              | —                 |
| Benzyl acetate                 | 140-11-4       | 2490                             | —                                  | —                              | —                 |
| Indole                         | 120-72-9       | 1000                             | 790                                | —                              | —                 |
| Linalool                       | 78-70-6        | 2790                             | —                                  | —                              | —                 |
| Phenethyl alcohol              | 60-12-8        | 1610                             | 2500                               | —                              | —                 |
| Tricyclodecanyl acetate        | 5413-60-5      | 2750                             | —                                  | —                              | —                 |

Section 12

## Ecological Information

**Ecotoxicity**

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects.

**Persistence and Degradability**

Not available.

**Bioaccumulative Potential**

Not available.

**Mobility in Soil**

Not available.

**Other Adverse Effects**

Not available.

Section 13

## Disposal Considerations

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14

## Transport Information

| <b>Transport Classification</b> |        | <b>UN Proper Shipping Name</b>                                                                          | <b>Transport hazard class(es)</b> | <b>Sub Risk</b> | <b>Packing Group</b> |
|---------------------------------|--------|---------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|----------------------|
| <b>UN Model Regulations</b>     | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cedrenyl acetate, Nerolidol [isomer unspecified])  | 9                                 | —               | III                  |
| <b>IMDG</b>                     | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetyl cedrene, Cedrenyl acetate) MARINE POLLUTANT | 9                                 | —               | III                  |
| <b>ADR/RID/ADN</b>              | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetyl cedrene, Cedrenyl acetate)                  | 9                                 | —               | III                  |
| <b>ICAO TI</b>                  | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetyl cedrene, Cedrenyl acetate)                  | 9                                 | —               | III                  |

### Environmental Hazards

This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

### Special Precautions for User

None additional.

### Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

Section 15

## Regulatory Information

This product has been classified in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200. Applicable federal, state, and local regulations should be consulted by the user.

### TSCA Inventory Status:

All components are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

#### Components listed on California's Proposition 65

| Name    | CAS      | %       |
|---------|----------|---------|
| Myrcene | 123-35-3 | 0.1–<1% |

#### Naturally-Occurring Materials exempt from Prop 65

| Name    | CAS      | % |
|---------|----------|---|
| Myrcene | 123-35-3 | — |

#### Components listed on California's SB312

| Name                      | CAS      | %       |
|---------------------------|----------|---------|
| Di-(2-ethylhexyl) adipate | 103-23-1 | 20-50 % |
| Linalool                  | 78-70-6  | 5–<10%  |

Section 16

## Other Information

### Revision History

| Version | Date       | Description     |
|---------|------------|-----------------|
| 1       | 08/18/2026 | Initial release |

### Disclaimer

The information contained in this Safety Data Sheet is believed to be accurate and is based on information available at the date of publication. It is provided solely as guidance for the safe handling, storage, transportation, use, and disposal of this product. No warranty, expressed or implied, is made regarding its accuracy or completeness. Users are responsible for determining the suitability of this product for their intended application and for complying with all applicable laws and regulations.