

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 | July 15, 2026

24-HOUR EMERGENCY CONTACT

CHEMTREC 1-800-424-9300

Contract ID: CCN1026268

SECTION 1

Identification

Product Name	October
Product Code / SKU	P-CA-45
Product Type	Fragrance Oil Blend
Collection	Calendar
Manufacturer	PLUME™ Louisiana, USA www.PlumeFragrance.com contact@plumefragrance.com

Recommended Use

Fragrance ingredient for candles, melts, soap and home fragrance products. PLUME™ fragrances are carefully developed to deliver exceptional performance 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

	Category
Skin Corrosion / Irritation	3
Eye Damage / Irritation	2
Skin Sensitization	1
Hazardous to the Aquatic Environment, Acute	2
Hazardous to the Aquatic Environment, Long-term	2

Signal Word: WARNING

Hazard Statements

H316	Causes mild irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

P261	Avoid breathing vapour or dust
P264	Wash hands and other contacted skin thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of soap and water
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 rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse
P337+313	If eye irritation persists: Get medical advice/attention
P391	Collect spillage
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations

GHS Pictograms



Other Hazards

No additional information available

Composition / Information on Ingredients

Substance Type

Mixture – Proprietary Fragrance Oil Blend

Hazardous components are listed below in accordance with applicable hazard communication requirements.

Hazardous Components

Chemical Name

Name	CAS	%	GHS Classification
Eugenol	97-53-0	5–<10%	Skin Sens. 1B
Cinnamaldehyde	104-55-2	5–<10%	Skin Sens. 1A
Ethyl vanillin	121-32-4	1–<5%	Eye Irrit. 2B
Cedrol	77-53-2	1–<5%	Aquatic Chronic 2
Vanillin	121-33-5	1–<5%	Eye Irrit. 2A
Cinnamyl alcohol	104-54-1	1–<5%	Skin Sens. 1B
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone	33704-61-9	0.1–<1%	Skin Sens. 1B
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	0.1–<1%	Skin Irrit. 2
Coumarin	91-64-5	0.1–<1%	Skin Sens. 1B
Isoeugenol	97-54-1	0.1–<1%	Skin Sens. 1A
Isoeugenyl acetate	93-29-8	0.1–<1%	Skin Sens. 1B
Linalool	78-70-6	0.1–<1%	Skin Sens. 1B
Formaldehyde cyclododecyl ethyl acetal	58567-11-6	0.1–<1%	Skin Sens. 1B
alpha-Guaiene	3691-12-1	0.1–<1%	Asp. Tox. 1
beta-Caryophyllene	87-44-5	0.1–<1%	Skin Sens. 1B
Cinnamyl nitrile	1885-38-7	0.1–<1%	Skin Sens. 1B
2,2,6-trimethyl-α-propylcyclohexanepropanol	70788-30-6	0.1–<1%	Skin Sens. 1B
Acetyl cedrene	32388-55-9	0.1–<1%	Skin Sens. 1B
4-tert-Butylcyclohexyl acetate	32210-23-4	0.1–<1%	Skin Sens. 1B
alpha-Cedrene	469-61-4	0.1–<1%	Asp. Tox. 1
3,3-Dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-2-ol	107898-54-4	0.1–<1%	Skin Irrit. 2
Benzaldehyde	100-52-7	0.1–<1%	Repr. 2
Allyl heptanoate	142-19-8	<0.1%	Acute Tox. 3
beta-Cedrene	546-28-1	<0.1%	Skin Irrit. 2

Section 4

First Aid Measures

Description of First-Aid Measures

Eye Contact (*IF IN EYES*)

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

Skin Contact (*IF ON SKIN*)

Wash with plenty of soap and water.

Inhalation

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

Ingestion

Rinse mouth with water and obtain medical attention.

Most important symptoms and effects, both acute and delayed symptoms

Causes skin irritation. May cause an allergic skin reaction.

Section 5

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 fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6

Accidental Release Measures

Personal Precautions

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

Environmental Precautions

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

Methods for Containment and Cleanup

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.

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.

Engineering Controls

Increase ventilation with local exhaust ventilation where high or prolonged use, high temperature, or other conditions increase exposure.

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

Appearance	Free-flowing liquid without sediment
Odour	Characteristic
Odour threshold	Not determined
Melting point / freezing point	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not determined
Lower and upper explosion limit	Not determined
Flash point	> 199°F
Auto-ignition temperature	Not determined
Decomposition temperature	Not relevant
pH	Not determined
Kinematic viscosity	Not determined
Solubility	Not determined
Partition coefficient: n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density	0.9430 - 0.9730
Relative vapour density	Not determined
Particle characteristics	Not determined
Other Information:	
Flash Point (Fahrenheit)	> 200 °F
Refractive Index @ 20C	1.4747- 1.4847
Color Range	4 Pale Yellow - 2 Very Pale Yellow
Calculated VOC	2.40

Stability and Reactivity

Reactivity

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

Chemical Stability

Stable under normal conditions of storage and handling.

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.

Section 11

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

Acute Toxicity	Based on available data, the classification criteria are not met
Acute Toxicity (Oral)	>5000 mg/kg
Acute Toxicity (Dermal)	>5000 mg/kg
Acute Toxicity (Inhalation)	Not available
Skin Corrosion / Irritation	Skin Corrosion / Irritation Category 3
Serious Eye Damage / Irritation	Eye Damage / Irritation Category 2
Respiratory or Skin Sensitization	Skin Sensitization, Category 1
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive Toxicity	Based on available data, the classification criteria are not met
STOT — Single Exposure	Based on available data, the classification criteria are not met
STOT — Repeated Exposure	Based on available data, the classification criteria are not met
Aspiration Hazard	Based on available data, the classification criteria are not met

Component Acute Toxicity Data

Ingredient	CAS No.	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	LC50/ATE Inhalation	LC50 Route
Cinnamaldehyde	104-55-2	1260	2220 (Oral)		
Cinnamyl alcohol	104-54-1		2000 (Oral)		
Cinnamyl nitrile	1885-38-7	1100	100 (Oral)	1.5	dust/mist

Ingredient	CAS No.	LD50 Dermal (mg/kg)	LD50 Oral (mg/kg)	LC50/ATE Inhalation	LC50 Route
Eugenol	97-53-0		2500 (Oral)		
Vanillin	121-33-5	2600	3300 (Oral)		

Section 12

Ecological Information

Ecotoxicity

Very 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

Transport Classification

	UN number	UN Proper Shipping Name	Transport hazard class(es)	Sub Risk	Packing Group
UN Modal Regulations	UN3082	Environmental Hazardous Substance, Liquid, N.O.S. (alpha-Cedrene, Cinnamaldehyde)	9	-	III
IMDG	UN3082	Environmental Hazardous Substance, Liquid, N.O.S. (alpha-Cedrene, Cinnamaldehyde) Marine Pollutant	9	-	III
ADR,RID,ADN	UN3082	Environmental Hazardous Substance, Liquid, N.O.S. (alpha-Cedrene, Cinnamaldehyde)	9	-	III
ICAO TI	UN3082	Environmental Hazardous Substance, Liquid, N.O.S. (alpha-Cedrene, Cinnamaldehyde)	9	-	III

Environmental Hazards

This substance is classified as an environmentally hazardous substance under the UN Model Regulations. This substance 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.

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.

Components listed on California's Proposition 65:

Name	CAS	%
Myrcene	123-35-3	<0.1%

Naturally-Occuring Materials exempt from Prop65:

Name	CAS	%
Eugenyl methyl ether	93-15-2	
Myrcene	123-35-3	
Safrole	94-59-7	
Di-(2-ethylhexyl) adipate	103-23-1	50-100%
Cinnamaldehyde	104-55-2	5-<10%
Eugenol	97-53-0	5-<10%
Cinnamyl alcohol	104-54-1	0.1-<1%
Coumarin	91-64-5	0.1-<1%
Linalool	78-70-6	0.1-<1%
Citral	5392-40-5	<0.1%

Naturally-Occuring Materials exempt from Prop65:

Ethyl vanillin	121-32-4	1-<5%
Vanillin	121-33-5	1-<5%

Other Information

Revision History

Version	Date	Description
1.0	08/04/2026	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.