

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 26, 2026

24-HOUR EMERGENCY CONTACT

CHEMTREC 1-800-424-9300

Contract ID: CCN1026268

SECTION 1

Identification

Product Name	Septmeber
Product Code / SKU	P-CA-47
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 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 of the substance or mixture

GHS US classification

Skin sensitization, Category 1 — H317 May cause an allergic skin reaction.

Signal word (GHS US): WARNING

Hazard statements (GHS US):

H317 – May cause an allergic skin reaction.

Precautionary statements

P261 – Avoid breathing dust, fume, gas, mist, vapors, spray.

P264 – Wash hands, forearms and face thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P272 – Contaminated work clothing must not be allowed out of the workplace.

P280 – Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

P301+P312 – IF SWALLOWED: Call a poison center or doctor if you feel unwell.

P302+P352 – IF ON SKIN: Wash with plenty of 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.

P321 – Specific treatment (see supplemental first aid instruction on this label).

P330 – Rinse mouth.

P333+P313 – If skin irritation or rash occurs: Get medical advice or attention.

P337+P313 – If eye irritation persists: Get medical advice or attention.

P362+P364 – Take off contaminated clothing and wash it before reuse.

P501 – Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national, and/or international regulations.

GHS US labeling

Hazard pictogram (GHS US):



Other Hazards

No additional information available

Composition/Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	GHS US classification
VANILLIN	CAS-No. 121-33-5	5–10	Eye Irrit. 2A, H319
COUMARIN	CAS-No. 91-64-5	1–5	Acute Tox. 4 (Oral), H302; Skin Sens. 1B, H317
HEXYL CINNAMAL	CAS-No. 101-86-0	1–5	Skin Sens. 1B, H317
2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	CAS-No. 63500-71-0	1–5	Eye Irrit. 2A, H319
ETHYL LINALOOL	CAS-No. 10339-55-6	1–5	Flam. Liq. 4, H227; Eye Irrit. 2A, H319; Skin Sens. 1B, H317
1,3-benzodioxole-5-carbaldehyde	CAS-No. 120-57-0	1–5	Skin Sens. 1B, H317

SECTION 4

First-aid measures

Description of first aid measures

First-aid measures general: Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: None under normal conditions.

Symptoms/effects after skin contact: May cause an allergic skin reaction.

Symptoms/effects after eye contact: None under normal conditions.

Symptoms/effects after ingestion: None under normal conditions.

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5

Fire-Fighting measures

Suitable (and unsuitable extinguishing media

Suitable extinguishing media :Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

Specific Hazards

Fire Hazard: No fire hazard.

Explosion Hazard: No direct explosion hazard

Special protective equipment and precautions for fire-fighters

Firefighting instructions

Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Complete protective clothing.

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For Non-Emergency Personnel

Protective Equipment

Wear recommended personal protective equipment.

Emergency Procedures

Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

For Emergency Responders

Protective Equipment

Do not attempt to take action without suitable protective equipment. For further information refer to Section 8: Exposure Controls/Personal Protection.

Emergency Procedures

Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental Precautions

Avoid release to the environment. Prevent entry into drains, surface waters, groundwater, and soil.

Methods and Material for Containment and Cleaning Up

Absorb spilled material with sand, earth, vermiculite, or other inert absorbent material. Collect and place in suitable containers for disposal. Dispose of in accordance with local, state, and federal regulations.

Handling and Storage

Precautions for Safe Handling

Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures

Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Specific end use(s)

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

Conditions for Safe Storage, Including Any Incompatibilities

Technical measures: : Keep in a cool, well-ventilated place away from heat.

Storage conditions: : Keep cool. Protect from sunlight.

Packaging materials: Always store product in container of same material as original container.

Exposure Controls

Control Parameters

VANILLIN (121-33-5)

Not applicable

ETHYL LINALOOL (10339-55-6)

Not applicable

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Not applicable

HEXYL CINNAMAL (101-86-0)

Not applicable

COUMARIN (91-64-5)

Not applicable

1,3-benzodioxole-5-carbaldehyde (120-57-0)

Not applicable

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (Iso E Super) (54464-57-2)

Not applicable

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Environmental exposure controls:

Avoid release to the environment.

Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves.

Eye protection:

Safety glasses.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment symbol(s):

Gloves · Safety glasses · Protective clothing

Physical and Chemical Properties

Property	Value
Physical state	Liquid
Color	No data available
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	212°F
Relative evaporation rate (butyl acetate=1)	No data available
Flammability	Not applicable
Vapor pressure	No data available
Relative vapor density at 20°C	No data available
Relative density	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Section 10

Stability and Reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Chemical Stability

Stable under normal conditions of storage and handling.

Possibility of Hazardous Reactions

Not expected under normal conditions of use.

Conditions to Avoid

None under recommended storage and handling conditions (see section 7).

Incompatible Materials

No additional information available

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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.

11.1 Information on toxicological effects

Acute toxicity (oral): No data available
Acute toxicity (dermal): No data available
Acute toxicity (inhalation): No data available

VANILLIN (121-33-5)

LD50 oral rat: 3300 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral, 14 day(s))

LD50 dermal rat: > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal, 14 day(s))

ATE US (oral): 3300 mg/kg body weight

ATE US (dermal): 2600 mg/kg body weight

ETHYL LINALOOL (10339-55-6)

ATE US (oral): 5000 mg/kg body weight

HEXYL CINNAMAL (101-86-0)

ATE US (oral): 3100 mg/kg body weight

COUMARIN (91-64-5)

LD50 oral rat: 293 mg/kg body weight (Rat, Male/female, Experimental value, Oral)

ATE US (oral): 293 mg/kg body weight

1,3-benzodioxole-5-carbaldehyde (120-57-0)

LD50 oral rat: 2700 mg/kg (Rat, Oral)

LD50 dermal rat: > 5000 mg/kg (Rat, Dermal)

ATE US (oral): 2700 mg/kg body weight

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

COUMARIN (91-64-5)

IARC group: 3 – Not classifiable

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

Viscosity, kinematic: No data available

Symptoms/effects after inhalation: None under normal conditions.

Symptoms/effects after skin contact: May cause an allergic skin reaction.

Symptoms/effects after eye contact: None under normal conditions.

Symptoms/effects after ingestion: None under normal conditions.

Ecological Information

Toxicity

Ecology – general:

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

VANILLIN (121-33-5)

LC50 – Fish [1]: 57 mg/L (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)

EC50 – Crustacea [1]: 36.79 mg/L (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

EC50 algae: 120 mg/L (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

COUMARIN (91-64-5)

LC50 – Fish [1]: 2.94 mg/L (96 h, Pisces, QSAR)

EC50 – Crustacea [1]: 24.3–36.9 mg/L (48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

Persistence and degradability

VANILLIN (121-33-5)

Persistence and degradability: Readily biodegradable in water.

ETHYL LINALOOL (10339-55-6)

Persistence and degradability:
Biodegradability in water: no data available.

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Persistence and degradability:
Biodegradability in water: no data available.

COUMARIN (91-64-5)

Persistence and degradability: Readily biodegradable in water.

1,3-benzodioxole-5-carbaldehyde (120-57-0)

Persistence and degradability: Biodegradable in the soil. Readily biodegradable in water.
ThOD: 1.71 g O₂/g substance

Bioaccumulative potential

VANILLIN (121-33-5)

Partition coefficient n-octanol/water (Log Pow): 1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

ETHYL LINALOOL (10339-55-6)

Bioaccumulative potential: No bioaccumulation data available.

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Bioaccumulative potential: No bioaccumulation data available.

COUMARIN (91-64-5)

Partition coefficient n-octanol/water (Log Pow): 1.39 (QSAR, 25 °C)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

1,3-benzodioxole-5-carbaldehyde (120-57-0)

Partition coefficient n-octanol/water (Log Pow): 1.05
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil

VANILLIN (121-33-5)

Organic Carbon Normalized Adsorption Coefficient (Log Koc): 3.438 (log Koc, Experimental value)
Ecology – soil: Low potential for mobility in soil.

2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)

Ecology – soil: No (test) data on mobility of the substance available.

COUMARIN (91-64-5)

Organic Carbon Normalized Adsorption Coefficient (Log Koc): 1.63 (log Koc, QSAR)
Ecology – soil: Highly mobile in soil.

Other adverse effects

No additional information available.

Disposal Considerations

Category	Requirement
Regional waste regulation	Disposal must be done according to official regulations.
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	Disposal must be done according to official regulations.
Additional information	Do not re-use empty containers.

Transport Information

Department of Transportation (DOT)

In accordance with DOT

Not Regulated

Regulatory Information

US Federal Regulations

No additional information available.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Other Information

Revision History

Version	Date	Description
1	08/26/2026	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.