

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	Vanilla Creme & Lemon Curd
Product Code / SKU	P-P-8
Product Type	Fragrance Oil Blend
Collection	Provisions
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

Hazard Class

Category

Carcinogenicity	2
Acute Toxicity – Oral	4
Skin Sensitization	1
Flammable Liquids	4

Signal Word: WARNING

Hazard Statements

H351	Suspected of causing cancer.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H227	Combustible liquid.

Hazard-Determining Components of Labeling

Benzyl Benzoate
Benzyl Alcohol
2-Furaldehyde
Coumarin
Heliotropine
Orange Oil

Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash 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/hearing protection.
P301+P312	
P330	IF ON SKIN: Wash with plenty of water.
P302+P352	IF SWALLOWED: Call a poison center/doctor if you feel unwell. Rinse mouth.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P370+P378	In case of fire: Use CO ₂ , powder or water spray to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Hazard Information

HMIS Ratings (Scale 0–4)

Health: 1
Fire: 2
Reactivity: 0

NFPA Ratings (Scale 0–4)

Health: 1
Fire: 2
Reactivity: 0

Other Hazards

PBT: Not applicable.

vPvB: Not applicable.

Hazards Not Otherwise Classified (HNOC):

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communication Standard.



SECTION 3

Composition / Information on Ingredients

Substance Type

Mixture – Proprietary Fragrance Oil Blend

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

Ingredient Name	CAS No.	Classification	%
Benzyl Benzoate	120-51-4	Acute Tox. 4 Oral (H302)	>50–≤100%
Benzyl Alcohol	100-51-6	Acute Tox. 4 Oral (H302); Acute Tox. 4 Dermal (H312); Eye Irrit. 2A (H319); Skin Sens. 1B (H317)	>2.5–≤10%
Ethyl Vanillin	121-32-4	Acute Tox. 4 Oral (H302)	>2.5–≤10%
Ethyl Maltol	4940-11-8	Acute Tox. 3 Oral (H301)	>2.5–≤10%
Anisic Aldehyde	123-11-5	Acute Tox. 4 Oral (H302)	>2.5–≤10%
Coumarin	91-64-5	Acute Tox. 3 Oral (H301); Skin Sens. 1 (H317)	≥1–≤2.5%
Heliotropine	120-57-0	Skin Sens. 1 (H317)	≥1–≤2.5%
Vanillin	121-33-5	Acute Tox. 4 Oral (H302); Eye Irrit. 2A (H319)	≤2.5%
Acetoin	513-86-0	Flammable Liq. 3 (H226)	≤2.5%
Orange Oil	8008-57-9	Flammable Liq. 3 (H226); Aspiration Haz. 1 (H304); Skin Irrit. 2 (H315); Skin Sens. 1 (H317)	≥1–≤2.5%
2,6-Dimethyl-7-octen-2-ol	18479-58-8	Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Flammable Liq. 4 (H227)	≤2.5%
2-Furaldehyde	98-01-1	Acute Tox. 3 Oral (H301); Acute Tox. 3 Inhalation (H331); Carc. 2 (H351); Acute Tox. 4 Dermal (H312); Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); STOT SE 3 (H335); Flammable Liq. 4 (H227)	≥0.1–≤2.5%

Section 4

First Aid Measures

Description of First Aid Measures

First-aid measures general:

Immediately remove any clothing soiled by the product.

First-aid measures after inhalation:

Supply fresh air and seek medical attention if symptoms occur. In case of unconsciousness, place the patient in a stable side position for transportation.

First-aid measures after skin contact:

Immediately wash with water and soap and rinse thoroughly.

First-aid measures after eye contact:

Rinse opened eye for several minutes under running water.

First-aid measures after ingestion:

If symptoms persist, consult a doctor.

Most Important Symptoms and Effects (Acute and Delayed)

No further relevant information available.

Immediate Medical Attention and Special Treatment, if Necessary

No further relevant information available.

Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Specific Hazards Arising from the Chemical

Special hazards arising from the substance or mixture:

No further relevant information available.

Special Protective Equipment and Precautions for Firefighters

Advice for firefighters:

No further relevant information available.

Protective equipment:

No special measures required.

Section 6

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General measures:

Not required.

Environmental Precautions

Do not allow product to enter sewers, surface water or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Disposal:

Dispose contaminated material as waste according to Section 13.

Additional information:

Ensure adequate ventilation.

Additional Information

Protective Action Criteria for Chemicals (PAC):

Chemical PAC-1 PAC-2 PAC-3

Benzyl Benzoate (120-51-4) 5.1 mg/m³ 56 mg/m³ 340 mg/m³

Benzyl Alcohol (100-51-6) 30 ppm 52 ppm 740 ppm

Anisic Aldehyde (123-11-5) 21 mg/m³ 230 mg/m³ 300 mg/m³

Coumarin (91-64-5) 0.88 mg/m³ 9.7 mg/m³ 58 mg/m³

Ethyl Propionate (105-37-3) 6.5 ppm 69 ppm 410 ppm

Amyl Acetate (123-92-2) 100 ppm 500 ppm 3000 ppm

2-Furaldehyde (98-01-1) 2.0 ppm 10 ppm 50 ppm

Section 7

Handling and Storage

Precautions for Safe Handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information About Protection Against Explosions and Fires

No special measures required.

Conditions for Safe Storage, Including Any Incompatibilities

Storage:

Store in tightly sealed containers in a cool, dry place that is well ventilated. Keep away from heat, sparks, and open flame.

Information About Storage in One Common Storage Facility

Not required.

Further Information About Storage Conditions

Keep receptacle tightly sealed.

Specific End Use(s)

No further relevant information available.

Exposure Controls / Personal Protection

Control Parameters

Components with limit values that require monitoring at the workplace:

Benzyl Alcohol (CAS 100-51-6) | WEEL – Long-term value: 10 ppm

Vanillin (CAS 121-33-5) | WEEL – Long-term value: 10 mg/m³

2-Furaldehyde (CAS 98-01-1) | PEL – Long-term value: 20 mg/m³; 5 ppm — Skin

2-Furaldehyde (CAS 98-01-1) | TLV – Long-term value: 0.8 mg/m³; 0.2 ppm — Skin; BEI, A3

Ingredients with Biological Limit Values

2-Furaldehyde (CAS 98-01-1) | BEI: 200 mg/L

Medium: urine

Time: end of shift

Parameter: Furoic acid with hydrolysis (nonspecific)

Additional Information

The lists that were valid during the creation were used as basis.

Exposure Controls

Appropriate Engineering Controls

No further data; see Section 7.

General Protective and Hygienic Measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Breathing Equipment

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of Hands

Protective gloves.

Material of Gloves

The glove material has to be impermeable and resistant to the product/substance/preparation.

Due to missing tests no recommendation to the glove material can be given for the product/preparation/chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of Gloves (continued)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and therefore has to be checked prior to the application.

Penetration Time of Glove Material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection

Safety glasses recommended during refilling.

Physical and Chemical Properties

Appearance	Liquid
Color	Clear pale yellow to yellow
Odor	Characteristic
Odor threshold	Not determined
Melting point / freezing point	Undetermined
Boiling point / boiling range	170°C (338°F)
Flammability	Not applicable
Lower explosion limit	Not determined
Upper explosion limit	Not determined
Flash point	>93.3°C (>199.9°F)
Auto-ignition temperature	480°C (896°F)
Decomposition temperature	Not determined
pH	Not determined
Viscosity	Not determined
Kinematic viscosity	Not determined
Solubility / miscibility with water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Vapor pressure @ 156°C (312.8°F)	6 hPa (4.5 mm Hg)
Density @ 20°C (68°F)	1.04945 g/cm ³ (8.75766 lbs/gal)
Relative density	Not determined
Relative vapor density	Not determined
Particle characteristics	Not applicable
Ignition temperature	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard
Solvent content	—
VOC content	0.00% / 0.0 g/L (0.00 lb/gal)
Solids content	34.9%
Change in condition / Evaporation rate	Not determined

Stability and Reactivity

Reactivity

No further relevant information available.

Chemical Stability

No decomposition if used according to specifications.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to Avoid

No further relevant information available.

Incompatible Materials

No further relevant information available.

Hazardous Decomposition Products

No dangerous decomposition products known.

Toxicological Information

Information on Toxicological Effects

Acute Toxicity — LD/LC50 Values Relevant for Classification

Component	Route	LD50
ATE (Acute Toxicity Estimate)	Oral	1,159 mg/kg
ATE (Acute Toxicity Estimate)	Dermal	5,000 mg/kg (rabbit)
Benzyl Benzoate (CAS 120-51-4)	Oral	1,700 mg/kg (rat)
Benzyl Benzoate (CAS 120-51-4)	Dermal	4,000 mg/kg (rabbit)
Benzyl Alcohol (CAS 100-51-6)	Oral	1,230 mg/kg (rat)
Benzyl Alcohol (CAS 100-51-6)	Dermal	2,000 mg/kg (rabbit)
Ethyl Vanillin (CAS 121-32-4)	Oral	1,590 mg/kg (rat)
Anisic Aldehyde (CAS 123-11-5)	Oral	1,510 mg/kg (rat)
Anisic Aldehyde (CAS 123-11-5)	Dermal	>5,000 mg/kg (rabbit)
Coumarin (CAS 91-64-5)	Oral	293 mg/kg (rat)
Heliotropine (CAS 120-57-0)	Oral	2,700 mg/kg (rat)
Vanillin (CAS 121-33-5)	Oral	1,580 mg/kg (rat)
Acetoin (CAS 513-86-0)	Oral	>5,000 mg/kg (rat)
Acetoin (CAS 513-86-0)	Dermal	>5,000 mg/kg (rabbit)
2-Furaldehyde (CAS 98-01-1)	Oral	50.8 mg/kg (rat)

Primary Irritant Effect

On the skin: No irritant effect.

On the eye: No irritating effect.

Sensitization

Sensitization possible through skin contact.

Additional Toxicological Information

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Interactive Effects

No interactive effects between components are known.

Carcinogenic Categories

Agency	Substance	Classification
IARC	Coumarin (CAS 91-64-5)	3
IARC	2-Furaldehyde (CAS 98-01-1)	3
NTP	None of the ingredients is listed.	—
OSHA-Ca	None of the ingredients is listed.	—

Alternative Sources for Toxicological Information

No non-standard sources for toxicological information were used.

Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and Degradability

No further relevant information available.

Bioaccumulative Potential

No further relevant information available.

Mobility in Soil

No further relevant information available.

Results of PBT and vPvB Assessment

PBT: Not applicable.

vPvB: Not applicable.

Other Adverse Effects

Additional Ecological Information

General Notes

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

Section 13

Disposal Considerations

Waste Treatment Methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packaging

Recommendation:

Disposal must be made according to official regulations.

Section 14

Transport Information

UN Number

DOT, IMDG, IATA: Not regulated

UN Proper Shipping Name

DOT, IMDG, IATA: Not regulated

Transport Hazard Class(es)

DOT, ADR, IMDG, IATA: Not regulated

Packing Group

DOT, IMDG, IATA: Not regulated

Environmental Hazards

Not applicable

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

Not applicable

Special Precautions for User

Not applicable

UN Model Regulation

Not regulated.

Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Section 355 (Extremely Hazardous Substances)

None of the ingredients is listed.

Section 313 (Specific Toxic Chemical Listings)

None of the ingredients is listed.

TSCA (Toxic Substances Control Act)

All substances are active or exempt.

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic Categories

Agency | Substance | Classification

EPA (Environmental Protection Agency) | None of the ingredients is listed. | —

TLV (Threshold Limit Value) | 2-Furaldehyde (CAS 98-01-1) | A3

NIOSH-Ca (National Institute for Occupational Safety and Health) | None of the ingredients is listed. | —

Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Other Information

Revision History

Version	Date	Description
1	08/18/2026	Initial release

Disclaimer

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