

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).

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24-HOUR EMERGENCY CONTACT

CHEMTREC 1-800-424-9300

Contract ID: CCN1026268

SECTION 1

Identification

Product Name	Lychee & Peony
Product Code / SKU	P-O-20
Product Type	Fragrance Oil Blend
Collection	Observatory
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

Skin Irritation

2

Eye Irritation

2A

Skin Sensitization

1

Signal Word: **WARNING**

Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Hazard-Determining Components of Labeling

Ethanone, 1-(2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-

Helional

Benzyl salicylate

Linalool

Bergamot oil

Hydroxycitronellal

Exaltolide

Cyclamen aldehyde

Citronellol

Coumarin

Damascenone Delta

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

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

P280 Wear protective gloves/eye protection/face protection.

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.

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

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

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Hazard Information

NFPA Ratings (Scale 0–4)

Health: 2

Fire: 1

Reactivity: 0

HMIS Ratings (Scale 0–4)

Health: 2

Fire: 1

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)	>10–≤25%
Methyl Ionone Gamma	68155-66-8	Skin Irrit. 2 (H315); Skin Sens. 1 (H317)	>2.5–≤10%
Helional	1205-17-0	Skin Sens. 1 (H317)	>2.5–≤10%
Hexyl Salicylate	118-58-1	Skin Sens. 1 (H317)	>2.5–≤10%
Florol	63500-71-0	Eye Irrit. 2A (H319)	>2.5–≤10%
Ethyl Linalool	10339-55-6	Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Flam. Liq. 4 (H227)	>2.5–≤10%
Linalool	78-70-6	Skin Sens. 1 (H317); Flam. Liq. 4 (H227)	>2.5–≤10%
Sandalore	65113-99-7	Eye Irrit. 2A (H319)	>2.5–≤10%
Hydroxycitronellal	107-75-5	Eye Irrit. 2A (H319); Skin Sens. 1 (H317)	>2.5–≤10%
Ethyl Maltol	4940-11-8	Acute Tox. 3 Oral (H301)	>2.5–≤10%
Bergamot Oil	89957-91-5	Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Skin Sens. 1 (H317); Flam. Liq. 4 (H227)	>2.5–≤10%
Exaltolide	106-02-5	Skin Sens. 1 (H317)	≥1–≤2.5%
Phenyl Ethyl Alcohol	60-12-8	Acute Tox. 4 Dermal (H312); Acute Tox. 4 Oral (H302); Eye Irrit. 2A (H319)	≤2.5%
Cyclamen Aldehyde	103-95-7	Skin Irrit. 2 (H315); Skin Sens. 1 (H317); Flam. Liq. 4 (H227)	≥1–≤2.5%
Citronellol	106-22-9	Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Skin Sens. 1 (H317)	≥1–≤2.5%
Ethyl Vanillin	121-32-4	Acute Tox. 4 Oral (H302)	≤2.5%
2,6-Dimethyl-7-octen-2-ol	18479-58-8	Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Flam. Liq. 4 (H227)	≤2.5%
Coumarin	91-64-5	Acute Tox. 3 Oral (H301); Skin Sens. 1 (H317)	≥0.1–<1%
Damascenone Delta	57378-68-4	Acute Tox. 4 Oral (H302); Skin Irrit. 2 (H315); Skin Sens. 1 (H317)	≥0.1–<1%

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.

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.

Protective Action Criteria for Chemicals (PAC):

Chemical CAS No. PAC-1 PAC-2 PAC-3

Benzyl Benzoate (120-51-4) 5.1 mg/m³ 56 mg/m³ 540 mg/m³

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

Benzyl Acetate (140-11-4) 30 ppm 330 ppm 2,000 ppm

Methyl Benzoate (93-58-3) 1.1 ppm 39 mg/m³ 230 mg/m³

Ethyl Benzoate (93-89-0) 4.3 mg/m³ 69 mg/m³ 420 mg/m³

Handling and Storage

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

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

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:

60-12-8 PHENYL ETHYL ALCOHOL

Type Value

TLV Long-term value: 0.5 ppm

At this time, the other constituents have no known exposure limits.

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.

Personal Protective Equipment

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.

Avoid contact with the eyes and skin.

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/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the 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 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 can not be calculated in advance and has therefore 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:

Tightly sealed goggles.

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	127–128°C (260.6–262.4°F)
Flammability	Not applicable
Lower explosion limit	Not determined
Upper explosion limit	Not determined
Flash point	>93°C (>199.4°F)
Auto-ignition temperature	>290°C (482°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 with water
Partition coefficient (n-octanol/water)	Not determined
Vapor pressure @ 156°C (312.8°F)	6 hPa (4.5 mm Hg)
Vapor density	Not determined
Density at 20°C (68°F)	1.00305 g/cm ³ (8.37045 lbs/gal)
Relative 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	0.0%
VOC content	0.02% — 0.2 g/L (0.00 lb/gal)
Solids content	8.6%

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	2,434 mg/kg
ATE (Acute Toxicity Estimate)	Dermal	≥7,441 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)
Linalool (CAS 78-70-6)	Oral	2,790 mg/kg (rat)
Linalool (CAS 78-70-6)	Dermal	5,610 mg/kg (rabbit)
Phenyl Ethyl Alcohol (CAS 60-12-8)	Oral	1,790 mg/kg (rat)
Phenyl Ethyl Alcohol (CAS 60-12-8)	Dermal	790 mg/kg (rabbit)
Citronellol (CAS 106-22-9)	Oral	3,450 mg/kg (rat)
Citronellol (CAS 106-22-9)	Dermal	2,650 mg/kg (rabbit)
Ethyl Vanillin (CAS 121-32-4)	Oral	1,590 mg/kg (rat)
Coumarin (CAS 91-64-5)	Oral	293 mg/kg (rat)

Primary irritant effect

On the skin: Irritant to skin and mucous membranes.

On the eye: 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:
Irritant

Interactive effects

No interactive effects between components are known.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

Substance	Classification
Coumarin (CAS 91-64-5)	3
Benzyl Acetate (140-11-4)	3

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

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 3 (Self-assessment): extremely 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

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value)

Substance Classification

BENZYL ACETATE (140-11-4) A4

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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