

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 5, 2026

24-HOUR EMERGENCY CONTACT

CHEMTREC 1-800-424-9300

Contract ID: CCN1026268

SECTION 1

Identification

Product Name	Rose, Patchouli & Amber
Product Code / SKU	P-AD-13
Product Type	Fragrance Oil Blend
Collection	After DarK
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

Flammable liquid, Category 1

Skin sensitization, Category 1

H317 May cause an allergic skin reaction.

H224 Extremely flammable liquid and vapor

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US): Danger

Hazard statements (GHS US): H224 Extremely flammable liquid and vapor; H317 May cause an allergic skin reaction

Precautionary statements (GHS US)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

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

P264 Wash hands thoroughly after handling.

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

P280 Wear protective gloves, protective clothing, eye protection, face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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

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

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

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

Other Hazards

No additional information available

Composition/Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product Identifier	%	GHS US classification
BENZYL BENZOATE	(CAS-No.) 121-51-4	30-70	Acute Tox. 4 (Oral), H302
ALPHA-ISOMETHYL IONONE	(CAS-No.) 127-51-5	10-30	Skin Sens. 1B, H317
CITRONELLOL	(CAS-No.) 106-22-9	1-5	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317
PHENYL ETHYL ALCOHOL	(CAS-No.) 60-12-8	1-5	Acute Tox. 4 (Oral), H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319
PENTADECALACTONE	(CAS-No.) 106-02-5	1-5	Skin Sens. 1B, H317
alpha-Guaiene	(CAS-No.) 21145-77-7	1-5	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317
CINNAMAL	(CAS-No.) 104-55-2	0,1-1	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317
GERANIOL	(CAS-No.) 106-24-1	0,1-1	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317
1-(5,6,7,8-Tetrahydro-3,5,5,6,8a-hexamethyl-2-naphthyl)ethan-1-one	(CAS-No.) 21145-77-7	1-5	Acute Tox. 4 (Oral), H302
OLIBANUM OIL	(CAS-No.) 8016-36-2	0,1-1	Flam. Liq. 3, H226; Acute Tox. 4 (Oral), H302; Skin Irrit. 2, H315; Asp. Tox. 1, H304; Skin Sens. 1, H317

SECTION 4

First-aid measures

4.1 Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice.

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

First-aid measures after skin contact: Rinse skin with water/shower. Remove/take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

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

4.2 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.

4.3 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: Extremely Flammable liquid and vapor

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: : Ground/bond container and receiving equipment.

Storage conditions: : Ground/bond container and receiving equipment.

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

Exposure Controls / Personal Protection

Control Parameters

No occupational exposure limits established for the mixture.

Eye / Skin Protection

Wear protective gloves, eye protection, face protection and [In case of inadequate ventilation] wear respiratory 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.

Engineering Controls

Use in areas with adequate ventilation.

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

Extremely flammable liquid and vapor.

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 contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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.

Toxicological Classification

Acute Toxicity	: No data available
Acute Toxicity (Oral)	: No data available
Acute Toxicity (Dermal)	: No data available
Acute Toxicity (Inhalation)	: No data available
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
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:	Irritation. 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

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

Toxicity

GERANIOL (106-24-1)

LC50 Fish: 22 mg/L
EC50 Crustacea: 10.8 mg/L
ErC50 Algae: 13.1 mg/L

BENZYL BENZOATE (120-51-4)

LC50 Fish: 2.32 mg/L
EC50 Crustacea: 3.09 mg/L

PHENYL ETHYL ALCOHOL (60-12-8)

LC50 Fish: 220–260 mg/L
EC50 Crustacea: 287.17 mg/L

1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (21145-77-7)

EC50 Crustacea: 0.61 mg/L
NOEC Chronic Fish: 0.035 mg/L

Persistence and degradability

CITRONELLOL (106-22-9)

Readily biodegradable in water.
Chemical oxygen demand (COD): 2.05 g O₂/g substance
ThOD: 2.961 g O₂/g substance

GERANIOL (106-24-1)

Readily biodegradable in water.

BENZYL BENZOATE (120-51-4)

Readily biodegradable in water.

PHENYL ETHYL ALCOHOL (60-12-8)

Biodegradable in soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD): 1.45 g O₂/g substance
Chemical oxygen demand (COD): 2.5 g O₂/g substance

Bioaccumulative potential

CITRONELLOL (106-22-9)

Partition coefficient n-octanol/water (Log Pow): 3.41 – 3.91

GERANIOL (106-24-1)

Partition coefficient n-octanol/water (Log Pow): 2.6 (Experimental value, OECD 117)
Low potential for bioaccumulation (Log Kow < 4).

BENZYL BENZOATE (120-51-4)

BCF – Fish [1]: 2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow): 3.97 (Experimental value, 25 °C)
Low potential for bioaccumulation (Log Kow < 4).

PHENYL ETHYL ALCOHOL (60-12-8)

Partition coefficient n-octanol/water (Log Pow): 1.38 (Experimental value)
Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil

GERANIOL (106-24-1)

Organic Carbon Normalized Adsorption Coefficient (Log Koc): 1.85 (log Koc, PCKOCWIN v1.66, Calculated value)
Highly mobile in soil.

BENZYL BENZOATE (120-51-4)

Surface tension: 0.027 N/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc): 3.8 (log Koc, OECD 121)
Low potential for mobility in soil.

LINALYL ACETATE (115-95-7)

Organic Carbon Normalized Adsorption Coefficient (Log Koc): 1.38
Low potential for mobility in soil.

PHENYL ETHYL ALCOHOL (60-12-8)

Log Koc: 1.38
Adsorbs into the soil.

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	Flammable vapors may accumulate in the container. Do not re-use empty containers.

Transport Information

Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT)

UN3082 Environmentally hazardous substances, liquid, n.o.s. (BENZYL BENZOATE), 9, III

UN No. (DOT): UN3082

Proper Shipping Name (DOT): Environmentally hazardous substances, liquid, n.o.s.

Class (DOT): 9

Packing group (DOT): III

Label (DOT): 9 Class 9 (Miscellaneous dangerous materials)



DOT Packaging Non Bulk (49 CFR 173.240): 203

DOT Packaging Bulk (49 CFR 173.241/173.242): 241

DOT Symbols: G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102): 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description 'Environmentally hazardous substances, liquid, n.o.s.' as appropriate. In addition, for materials, this proper shipping name must be accompanied by the technical name(s) of the hazardous material.

DOT Packaging Exceptions (49 CFR 173.xxx): No Limit

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): No Limit

DOT Quantity Limitations Cargo aircraft only (49 CFR 173.27): No Limit

DOT Vessel Stowage Location: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Emergency Response Guide (ERG) Number: 171

Other information: No supplementary information available.

Regulatory Information

15.1. 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	08/05/2026	Initial release

Disclaimer

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