

Safety Data Sheet Sandalwood Patchouli Fragrance Oil

SECTION 1: Identification

1.1 Product identifier

Product name Sandalwood Patchouli Fragrance Oil

Brand Nature's Oil

1.3 Recommended use of the chemical and restrictions on use

No additional information available.

1.4 Supplier's details

Name Bulk Apothecary
Address 115 Lena Dr
Aurora OH 44202
United States

Telephone 1-888-728-7612
email sales@bulkapothecary.com

1.5 Emergency phone number(s)

Domestic: 1-800-633-8253 International: 801-629-0667

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

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Hazard statement(s)

H319 Causes serious eye irritation
H317 May cause an allergic skin reaction

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands, forearms, and face 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.
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).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, state, national, and/or international regulations

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. 6-Octen-1-ol, 3,7-dimethyl-

Concentration 1 - 5 % (weight)
CAS no. 106-22-9

- Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

2. Oil, Cedarwood

Concentration 1 - 5 % (weight)
CAS no. 8000-27-9

- Asp. Tox. 1, H304

3. Oils, patchouli

Concentration 1 - 5 % (weight)
CAS no. 8014-09-3

- Asp. Tox. 1, H304

4. 3-Buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-

Concentration 1 - 5 % (weight)
EC no. 204-846-3

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CAS no. 127-51-5

- Skin Irrit. 2, H315
Eye Irrit. 2B, H320
Skin Sens. 1B, H317
Aquatic Acute 2, H401
Aquatic Chronic 2, H411

5. Ethanone, 1-[(3R,3aR,7R,8aS)-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl]-

Concentration 1 - 5 % (weight)
CAS no. 32388-55-9

- Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1B, H317

6. ETHYL VANILLIN

Concentration 1 - 5 % (weight)
CAS no. 121-32-4

- Eye Irrit. 2B, H320

7. 2-Buten-1-ol, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-

Concentration 1 - 5 % (weight)
CAS no. 28219-61-6

- Eye Irrit. 2, H319
Aquatic Acute 1, H400
Aquatic Chronic 1, H410

8. 3-Cyclopentene-1-butanol, alpha,beta,2,2,3-pentamethyl-

Concentration 1 - 5 % (weight)
CAS no. 65113-99-7

- Eye Irrit. 2, H319
Aquatic Chronic 2, H411

9. Linalyl acetate

Concentration 0.1 - 1 % (weight)
EC no. 204-116-4
CAS no. 115-95-7

- Flam. Liq. 4, H227
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

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10. Linalool

Concentration 0.1 - 1 % (weight)
EC no. 201-134-4
CAS no. 78-70-6

- Flam. Liq. 4, H227
Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

11. D-Limonene

Concentration 0.1 - 1 % (weight)
EC no. 227-813-5
CAS no. 5989-27-5

- Flam. Liq. 3, H226
Skin Irrit. 2, H315
Skin Sens. 1, H317
Asp. Tox. 1, H304

12. Opopanax chironium resin

Concentration 0.1 - 1 % (weight)
CAS no. 93384-32-8

- Skin Irrit. 2, H315
Skin Sens. 1, H317

13. Petitgrain oil

Concentration 0.1 - 1 % (weight)
CAS no. 8014-17-3

- Flam. Liq. 4, H227
Skin Irrit. 2, H315
Skin Sens. 1, H317
Asp. Tox. 1, H304

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If exposed, concerned, or you feel unwell, seek medical advice. Show the label or this safety data sheet to the doctor in attendance.
If inhaled	Remove from exposure and move to fresh air immediately. Get medical assistance if cough or other symptoms develop.
In case of skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

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In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Call a poison center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

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

Symptoms/effects after eye contact: Eye irritation.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Specific hazards arising from the chemical

Upon combustion may produce oxides of carbon, smoke, and fumes. Burning fumes may be acrid.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting. Wear protective clothing and gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Emergency responders: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of in accordance with local and national regulations. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 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. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust, fumes, gas, mist, vapors, and/or spray.

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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.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Ensure Good Ventilation of the work station. Handle material in accordance with good industrial hygiene and safety practices. Avoid release into the environment.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear chemical goggles or safety glasses.

Skin protection

Wear protective gloves.

Body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Respiratory protection

Respiratory protection is normally not required in a well ventilated area. However, approved respiratory protection may be required when the material is rated toxic by inhalation or if the material is to be used in a confined area.

Thermal hazards

No data available

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid: Light amber to amber
Odor	Characteristic; Matching retainer sample
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	120 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available

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Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.926 (0.916 - 0.936)
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other safety information

Refractive index: 1.459 (1.449 - 1.469)

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended use, transport, and storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

None under normal use and storage conditions.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

On combustion may produce smoke, carbon monoxide, and carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

OPOPONAX RESIN (9000-78-6; 93384-32-8)

ATE US (dermal): 3600 mg/kg body weight

ETHYL VANILLIN (121-32-4)

ATE US (oral): 3000 mg/kg body weight

CITRONELLOL (106-22-9)

LD50 oral: 3450 mg/kg (Inconclusive, insufficient data, Oral)

LD50 dermal: 2650 mg/kg (Inconclusive, insufficient data, Dermal)

ATE US (oral): 3450 mg/kg body weight

ATE US (dermal): 2650 mg/kg body weight

ACETYL CEDRENE (32388-55-9)

LD50 oral: > 2000 mg/kg

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LD50 dermal: > 2000 mg/kg

LIMONENE (5989-27-5)

LD50 oral: > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method Read-across, Oral)

LD50 dermal: > 5000 mg/kg body weight (Equivalent or similar to OECD 402, Weight of evidence, Dermal)

LINALOOL (78-70-6)

LD50 oral: 2790 mg/kg

LD50 dermal: 5610 mg/kg

LD50 dermal: > 5000 mg/kg

ATE US (oral): 2790 mg/kg body weight

ATE US (dermal): 5610 mg/kg body weight

PETITGRAIN OIL (8014-17-3)

ATE US (oral): 4311 mg/kg body weight

Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT-single exposure

Not classified

STOT-repeated exposure

Not classified

Aspiration hazard

Not classified

Additional information

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

Symptoms/effects after eye contact: Eye irritation.

SECTION 12: Ecological information

Toxicity

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

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CITRONELLOL (106-22-9)

LC50 fish 1: 10 - 22 mg/l (96 h, *Leuciscus idus*)

EC50 Daphnia 1: 17 mg/l (48 h, *Daphnia magna*)

LIMONENE (5989-27-5)

LC50 fish 1: 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, *Pimephales promelas*, Flow-through system, Fresh water, Experimental value, Lethal)

EC50 Daphnia 1: 0.36 mg/l (OECD 202: *Daphnia* sp. Acute Immobilisation Test, 48 h, *Daphnia magna*, Static system, Fresh water, Experimental value, GLP)

LINALOOL (78-70-6)

EC50 Daphnia 1: 59 mg/l (EC50; OECD 202: *Daphnia* sp. Acute Immobilisation Test; 48 h; *Daphnia magna*)

EC50 other aquatic organisms 1: \geq 100 mg/l (3 h; Activated sludge)

LC50 fish 2: 27.8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; *Salmo gairdneri*) Threshold limit algae 1 88.3 mg/l (EC50; 96 h)

LINALYL ACETATE (115-95-7)

LC50 fish 1: 11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, *Cyprinus carpio*)

EC50 Daphnia 1: 15 mg/l (OECD 202: *Daphnia* sp. Acute Immobilisation Test, 48 h, *Daphnia magna*)

Persistence and degradability

CITRONELLOL (106-22-9)

Persistence and degradability: Readily biodegradable in water.

Chemical oxygen demand (COD): 2.05 g O₂/g substance

ThOD: 2.961 g O₂/g substance

ACETYL CEDRENE (32388-55-9)

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

LIMONENE (5989-27-5)

Persistence and degradability: Readily biodegradable in water.

ThOD: 3.29 g O₂/g substance

LINALOOL (78-70-6)

Persistence and degradability: Readily biodegradable in water.

LINALOOL (78-70-6)

Biochemical oxygen demand (BOD): 1.531 g O₂/g substance

Chemical oxygen demand (COD): 2.808 g O₂/g substance

LINALYL ACETATE (115-95-7)

Persistence and degradability: Readily biodegradable in water.

Bioaccumulative potential

CITRONELLOL (106-22-9)

Log Pow: 3.41 - 3.91

ACETYL CEDRENE (32388-55-9)

Bioaccumulative potential: No bioaccumulation data available.

LIMONENE (5989-27-5)

BCF fish 1: 864.8 - 1022 (Pisces, QSAR, Fresh weight)

Log Pow: 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)

Bioaccumulative potential: Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$).

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LINALOOL (78-70-6)
Log Pow: 2.84 - 3.145
Bioaccumulative potential: Bioaccumable.

LINALYL ACETATE (115-95-7)
Log Pow: 3.93 (Experimental value)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil

LIMONENE (5989-27-5)
Ecology - soil: Adsorbs into the soil.

LINALYL ACETATE (115-95-7)
Ecology - soil: Adsorbs into the soil.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal of the product

Dispose of contents/container in accordance with licensed collector's sorting instructions as well as local, state, federal and/or international regulations.

Disposal of contaminated packaging

Dispose of as unused product, following federal, state, and local regulations.

Waste treatment

Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

Sewage disposal

Avoid release into sewers or other public water ways.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not applicable

IATA

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory

All components are listed on the United States Toxic Substances Control Act (TSCA) inventory.

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Canadian Domestic Substances List (DSL)

All components are listed on the Canadian Domestic Substances List (DSL).

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

SDS Version: 1.0

Revision Date: 12/18/2018

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Bulk Apothecary be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Bulk Apothecary has been advised of the possibility of such damages.