

Safety Data Sheet

Section 1: Company and Product Information

Product Name: Palo Santo
INCI Name: Parfum
Country of Origin: United States
Product Use: Cosmetic and personal care applications.
Restrictions on Use: Repackaged for cosmetic use only.
Supplier: Windy Point Soap Making Supplies Inc.
 14, 6125-12th Street SE
 Calgary, AB T2H 2K1
 587-318-6678 / 877-257-0030
Emergency Phone Number: 770-334-3906

Section 2: Hazard Identification

Classification of the substance or mixture

Class and category of danger: Skin Corrosion / Irritation Category 2
 Sensitization - Skin Category 1
 Hazardous to the Aquatic Environment - Acute Hazard Category 2
 Hazardous to the Aquatic Environment - Long-term Hazard Category 1
 H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H401, Toxic to aquatic life.
 H410, Very toxic to aquatic life with long lasting effects.

Signal Word:

Warning

Hazard statements:

H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H401, Toxic to aquatic life.
 H410, Very toxic to aquatic life with long lasting effects.

Precautionary

Statements Prevention:

P261, Avoid breathing vapour or dust.
 P264, Wash hands and other contacted skin thoroughly after handling.
 P272, Contaminated work clothing should not be allowed out of the workplace.
 P273, Avoid release to the environment.
 P280, Wear protective gloves/eye protection/face protection.
 P302/352, IF ON SKIN: Wash with plenty of soap and water.
 P333/313, If skin irritation or rash occurs: Get medical advice/attention.
 P362, Take off contaminated clothing and wash before reuse.
 P391, Collect spillage.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



Other Hazards:

Hydrocarbon Concentration %: 0.0000%

Section 3: Composition / Information on Ingredients

| <u>Name</u> | <u>CAS</u> | <u>%</u> | <u>GHS Classification</u> |
|--|------------|----------|---|
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | 54464-57-2 | 50-100% | Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 1;H315-H317-H401-H410 |
| alpha-Hexylcinnamaldehyde | 101-86-0 | 5-<10% | Acute Tox. 5-Skin Irrit. 3-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H303-H316-H317-H400-H411 |

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|---|-------------|---------|---|
| GALAXOLIDE 50 BB | Solution | 1-<5% | Acute Tox. 5-Skin Irrit. 3;H303-H316 |
| Benzyl benzoate | 120-51-4 | 1-<5% | Acute Tox. 4-Acute Tox. 5-Aquatic Acute 1-Aquatic Chronic 2;H302-H313-H400-H411 |
| Methyl dihydrojasmonate | 24851-98-7 | 1-<5% | Aquatic Acute 3;H402 |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran | 1222-05-5 | 1-<5% | Skin Irrit. 3-Aquatic Acute 1-Aquatic Chronic 1;H316-H410 |
| Acetyl cedrene | 32388-55-9 | 1-<5% | Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H303-H317-H410 |
| Cedrol | 77-53-2 | 1-<5% | Flam. Liq. 4-Aquatic Acute 2-Aquatic Chronic 2;H227-H411 |
| Ethylene brassylate | 105-95-3 | 1-<5% | Aquatic Acute 2;H401 |
| Methyl atrarate | 4707-47-5 | 1-<5% | Skin Sens. 1B-Aquatic Acute 2;H317-H401 |
| 4-tert-Butylcyclohexyl acetate | 32210-23-4 | 1-<5% | Acute Tox. 5-Skin Sens. 1B-Aquatic Acute 2;H303-H317-H401 |
| E- and Z-Oxacyclohexadec-12 (+13)-en-2-one | 111879-80-2 | 1-<5% | Aquatic Acute 1-Aquatic Chronic 2;H400-H411 |
| Eugenol | 97-53-0 | 0.1-<1% | Acute Tox. 5-Skin Irrit. 3-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2;H303-H316-H317-H319-H401 |
| 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid) | 1506-02-1 | 0.1-<1% | Acute Tox. 4-Aquatic Acute 1-Aquatic Chronic 1;H302-H410 |
| d-Limonene | 5989-27-5 | 0.1-<1% | Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 3;H226-H304-H315-H317-H400-H412 |
| alpha-Cedrene | 469-61-4 | 0.1-<1% | Skin Irrit. 3-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1;H304-H316-H410 |
| 6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone | 33704-61-9 | 0.1-<1% | Acute Tox. 5-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H303-H315-H317-H319-H411 |
| Formaldehyde cyclododecyl ethyl acetal | 58567-11-6 | 0.1-<1% | Skin Irrit. 2-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 2;H315-H317-H411 |

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|---------------------|------------|---------|---|
| Benzyl salicylate | 118-58-1 | 0.1-<1% | Acute Tox. 5-Eye Irrit. 2B-Skin Sens. 1B-Aquatic Acute 2-Aquatic Chronic 3;H303-H317-H320-H401-H412 |
| beta-Caryophyllene | 87-44-5 | 0.1-<1% | Skin Sens. 1B-Asp. Tox 1-Aquatic Chronic 4;H304-H317-H413 |
| Cedrol methyl ether | 19870-74-7 | 0.1-<1% | Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1; H317-H410 |

Substances with workplace exposure limits, not listed above: Not applicable

Section 4: First Aid Measures

Description of first aid measures

| | |
|---|---|
| Inhalation: | Remove from exposure site to fresh air, keep at rest, and obtain medical attention. |
| Eye exposure: | Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist. |
| Skin exposure: | Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists. |
| Ingestion: | Rinse mouth with water and obtain medical advice. |
| Most important symptoms and effects, both acute and delayed | May be harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. |
| Indication of any immediate medical attention and special treatment needed | None expected. |

Section 5: Fire Fighting Measures

| | |
|---|---|
| Extinguishing media | |
| Suitable: | Carbon dioxide (CO ₂), Dry chemical, Foam. |
| Special hazards arising from the substance or mixture: | In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds. |
| During firefighting: | Carbon monoxide, Unidentified organic compounds. |
| Advice for firefighters: | In case of insufficient ventilation, wear suitable respiratory equipment. |

Section 6: Accidental Release Measures

| | |
|--|---|
| Personal precautions, protective equipment, and emergency procedures: | Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8. |
| Environmental precautions: | Keep away from drains, surface and ground water, and soil. |
| Methods and materials for containment and cleaning up: | Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations. |

Section 7: Handling and Storage

| | |
|--|--|
| Precautions for safe handling: | Keep away from heat, sparks, open flames, and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink, or smoke when using this product. |
| Conditions for safe storage, including any incompatibilities: | Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, |

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ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Specific end use(s): Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8: Exposure Control / Personal Protection

Exposure controls - Personal protective equipment

Eye Protection: Wear protective gloves/eye protection/face protection.

Respiratory Protection: Under normal conditions of use and where adequate ventilation is available to prevent buildup 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 minimize 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. Also refer to Sections 2 and 7.

Skin Protection: Avoid skin contact. Use chemically resistant gloves as needed.

Exposure limits: Not applicable.

Section 9: Physical and Chemical Properties

Appearance: Free flowing liquid without sediment

Odour: Characteristic

Odour threshold: Not determined

pH: Not determined

Melting point/freezing point: Not determined

Initial boiling point/range: Not determined

Flash point: >93 °C

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Product does not present an explosion hazard

Vapour pressure: Not determined

Vapour density: Not determined

Relative density: 0.9570 - 0.9670

Solubility(ies): Not determined

Partition coefficient: n-octanol/water: Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive properties: Not expected

Oxidizing properties: Not expected

Refractive index at 20°C: 1.4904 - 1.4934

Colour range: Very Pale Yellow - 1 Very Pale Yellow

Section 10: Stability and Reactivity

Reactivity conditions: Presents no significant reactivity hazard, by itself or in contact with water.

Chemical stability: Good stability under normal storage conditions.

Possibility of hazardous reactions: Not expected under normal conditions of use.

Conditions to avoid: Avoid extreme heat.

Incompatibility: Avoid contact with strong acids, alkalis, or oxidizing agents.

Hazardous decomposition products: Not expected.

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Section 11: Toxicological Information

Toxicological Effects

This mixture has not been tested for health effects. The health effects have been calculated using the methods outlined in UN GHS.

This material does not meet the criteria for classification for health hazards under UN GHS

Acute toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral: >5000

Acute Toxicity Dermal: >5000

Acute Toxicity Inhalation: Not available.

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation: Based on available data the classification criteria are not met.

Respiratory or skin sensitization: Sensitization - Skin Category 1

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture:

| <u>Ingredient</u> | <u>CAS</u> | <u>LD50/ATE</u> <u>Oral</u> | <u>LD50/ATE</u> <u>Dermal</u> | <u>LD50/ATE</u> <u>Inhalation</u> | <u>LC50</u> <u>Route</u> |
|--------------------------------|------------|--------------------------------|----------------------------------|--------------------------------------|--------------------------|
| 4-tert-Butylcyclohexyl acetate | 32210-23-4 | 3370 | Not available | Not available | Not available |
| Acetyl cedrene | 32388-55-9 | 4500 | Not available | Not available | Not available |
| Benzyl benzoate | 120-51-4 | 1500 | 4000 | Not available | Not available |
| alpha-Hexylcinnamaldehyde | 101-86-0 | 3100 | Not available | Not available | Not available |

Refer to Sections 2 and 3 for additional information.

Section 12: Ecological Information

Toxicity: Very toxic to aquatic life with long lasting effects.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: Not available.

Section 13: Disposal Information

Waste treatment methods: Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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Section 14: Transport Information

| | UN | UN Proper Shipping Name: | Transport Hazard Class(es): | Packing Group: |
|---|--|--|-----------------------------|----------------|
| UN Model Regulations | Number: UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, alpha-Cedrene) | 9 | III |
| IMDG | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, alpha-Cedrene) MARINE POLLUTANT | 9 | III |
| ADR, RID, ADN | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, alpha-Cedrene) | 9 | III |
| ICAO TI | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, alpha-Cedrene) | 9 | III |
| Environmental hazards: | This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code. | | | |
| Special precautions for user: | None additional. | | | |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not classified. | | | |

Section 15: Regulatory Information

Components listed on California's Proposition 65:

| Name | CAS | % |
|--|----------|-------|
| Myrcene (Naturally-Occurring) | 123-35-3 | <0.1% |
| Eugenyl methyl ether (Naturally-Occurring) | 93-15-2 | <0.1% |

Essential Oil Components:

| Name | CAS | % |
|------------------------|-----------|---------|
| CEDARWOOD OIL VIRGINIA | 8000-27-9 | 1-<5% |
| ORANGE ESSENCE OIL | 8008-57-9 | 0.1-<1% |
| LEMON OIL CALIFORNIA | 8008-56-8 | 0.1-<1% |
| AMYRIS OIL | 8015-65-4 | 0.1-<1% |

Additional formulation properties:

| Name | CAS | % |
|----------------|----------|-------|
| Vanillin | 121-33-5 | <0.1% |
| Ethyl vanillin | 121-32-4 | <0.1% |

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Components listed on California's SB312:

| Name | CAS | % |
|-------------------------------|-----------|---------|
| DIOCTYL ADIPATE (S) "DOA" | 103-23-1 | 20-<50% |
| HEXYL CINNAMIC ALDEHYDE (R) | 101-86-0 | 5-<10% |
| EUGENOL | 97-53-0 | 0.1-<1% |
| BENZYL SALICYLATE (R) | 118-58-1 | 0.1-<1% |
| CITRAL | 5392-40-5 | <0.1% |
| LINALOOL | 78-70-6 | <0.1% |

Section 16: Other Information

Concentration % Limits: SCI 2=18.00% SCI 3=1.74% SS 1=1.80% EH A2=11.26% EH A3=1.13%EH C1=39.98% EH C2=3.94% EH C3=0.39359867% EH C4=34.51%

Total Fractional Values: SCI 2=5.56 SCI 3=57.42 SS 1=55.55 EH A2=8.88 EH A3=88.87 EH C1=2. 50 EH C2=25.41 EH C3=254.07 EH C4=2.90

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