

# Palette Naturals®

## SAFETY DATA SHEET (In accordance with 29 CFR 1910.1200)

### AROMATIC WOODS

Safety Data Sheet generated: 8/2/2017

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: AROMATIC WOODS

### Other means of identification:

Trade code: Palette Naturals® 100% natural perfumery blending accords

### Recommended use of the chemical and restrictions on use

Recommended use: Intended to be used in the manufacture of products for consumers.

Restrictions on use: Data not available

### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: Palette Naturals®  
25 NW 23rd Place, Suite 6 #397  
Portland, OR 97210  
Phone: (503)860-3112  
e-mail contact: info@palettenaturals.com

### Emergency telephone number

USA: 1-800-222-1222

CHEMTREC 1800-424-9300 (USA), 1703-527-3887(OUTSIDE USA)

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

#### Classification of the chemical

Flam. Liq. 4	Combustible liquid
Skin Sens. 1B	May cause an allergic skin reaction.
STOT SE 2	May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
Aquatic Acute 2	Toxic to aquatic life
Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

### Label elements

#### Symbols:



Warning

Code	Description
H227	Combustible liquid
H317	May cause an allergic skin reaction.
H371	May cause damage to organs <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.
Code	Description
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P270	Do no eat, drink or smoke when using this product.

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**

Data not available

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

Qty	Name	Ident. Numb.	Classification	Registration Number
1-5 %	EUCALYPTOL	CAS:470-82-6 EC:207-431-5	Flam. Liq. 3, H226; Skin Sens. 1B, H317	01-2119967772-24/-
1-5 %	ALPHA-PINENE	CAS:80-56-8 EC:201-291-9	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
1-5 %	CAMPHENE	CAS:79-92-5 EC:201-234-8	Flam. Sol. 2, H228; Eye Irrit. 2B, H320; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
1-5 %	ETHYL ALCOHOL	CAS:64-17-5 EC:200-578-6 Index:603-002-00-5	Flam. Liq. 2, H225; Eye Irrit. 2A, H319	01-2119457610-43 / -
1-5 %	THUJONE	CAS:546-80-5 EC:208-912-2	Acute Tox. 4, H302	
1-5 %	D-LIMONENE	CAS:5989-27-5 EC:227-813-5 Index:601-029-00-7	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317; Skin Irrit. 2, H315	01-211959223-47/-
1-5 %	1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE;CAMPHOR	CAS:76-22-2 EC:200-945-0	Acute Tox. 4, H332; Acute Tox. 4, H302; STOT SE 2, H371; Aquatic Acute 3, H402; Flam. Sol. 2, H228	01-2119966156-31 / -
0.1-1 %	ALPHA-CEDRENE	CAS:469-61-4 EC:207-418-4	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M:10	
0.1-1 %	BETA.-CEDRENE	CAS:546-28-1 EC:208-898-8	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M:10	

**4. FIRST AID MEASURES**

**Description of first aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

- Wash immediately with water.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

**Most important symptoms/effects, acute and delayed**

Data not available

**Indication of any immediate medical attention and special treatment needed**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO2).

**Unsuitable extinguishing media:**

None in particular.

### Specific hazards arising from the chemical

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: Data not available
- Explosive properties: Data not available
- Oxidizing properties: Data not available

### Special protective equipment and precautions for fire-fighters

- Use suitable breathing apparatus .
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from immediate hazard area if it can be done safely.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove persons to safety.
- See protective measures under point 7 and 8.

### Methods and material for containment and cleaning up

- Suitable material for taking up: absorbing material, organic, sand
- Wash with plenty of water.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

- Store in a tightly closed container in a cool, dry, well-ventilated area, Away from heat sources.

Storage temperature: Data not available

- Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
- Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

- None in particular.

Instructions as regards storage premises:

- Adequately ventilated premises.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm
ALPHA-PINENE	ACGIH						20
ETHYL ALCOHOL	OSHA					1900	1000
	MAK					960	500
	ACGIH				1000		
D-LIMONENE	MAK					28	5
1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE;CAMPHOR	ACGIH				3		2
	MAK					13	2
	OSHA					2	

Appropriate engineering controls: Data not available

### Individual protection measures

Eye protection:

- Use close fitting safety goggles, don't use eye lens.

Protection for skin:

- Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

- Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State Liquid  
Appearance and colour: & Very Pale Yellow  
Odor: Conform  
Odour threshold: Data not available  
pH: Data not available  
Melting point / freezing point: Data not available  
Initial boiling point and boiling range: Data not available  
Flash point: 60.8 °C (141.4 °F)  
Evaporation rate: Data not available  
Upper/lower flammability or explosive limits: Data not available  
Vapour density: Data not available  
Vapour pressure: Data not available  
Relative density: 1.08 g/ml  
Solubility in water: Data not available  
Solubility in oil: Data not available  
Partition coefficient (n-octanol/water): Data not available  
Auto-ignition temperature: Data not available  
Decomposition temperature: Data not available  
Viscosity: Data not available  
Explosive properties: Data not available  
Oxidizing properties: Data not available  
Solid/gas flammability: Data not available  
Specific Gravity @20°C = 1.0850  
Refractive Index = 1.4475

### Other information

Substance Groups relevant properties Data not available  
Miscibility: Data not available  
Fat Solubility: Data not available  
Conductivity: Data not available

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## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Data not Available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

EUCALYPTOL	LD50 Oral Rat = 2480mg/kg
ALPHA-PINENE	LD50 Oral Rat = 2100mg/kg LD50 Skin Rat > 5000mg/kg
CAMPHERE	LC50 Inhalation Rat = 17100mg/m3 1h

LD50 Oral Rat > 5000mg/kg  
LD50 Skin Rabbit > 2500mg/kg

THUJONE LD50 Oral Rat = 500mg/kg

ETHYL ALCOHOL LC50 Inhalation Rat = 124.7mg/l 4h  
LD50 Oral Rat = 7060mg/kg

D-LIMONENE LD50 Oral Rat = 4400mg/kg  
LD50 Skin Rabbit > 2000mg/kg

1,7,  
7-TRIMETHYLBICYCLO[2.2.  
1]HEPTAN-2-ONE;CAMPHOR LD50 Oral Mouse = 1310mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

Substance(s) listed on the IARC Monographs:

ETHYL ALCOHOL True

Substance(s) listed as OSHA Carcinogen(s):

ETHYL ALCOHOL

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

ETHYL ALCOHOL  
D-LIMONENE

## 12. ECOLOGICAL INFORMATION

### Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the components

Quantity	Component	Ident. Numb.	Ecotox Data
1-5 %	EUCALYPTOL	CAS: 470-82-6 - EINECS: 207-431-5	LC50 Fish Pimephales promelas= 95.4mg/L 96 Hr flow-through 95.4-10
1-5 %	ALPHA-PINENE	CAS: 80-56-8 - EINECS: 201-291-9	LC50 Daphnia Daphnia magna= 41mg/L 48 Hr LC50 Fish Pimephales promelas= 0.28mg/L 96 Hr static
1-5 %	CAMPHERE	CAS: 79-92-5 - EINECS: 201-234-8	EC50 Daphnia Daphnia magna= 22mg/L 48 Hr EC50 Algae Desmodesmus subspicatus> 1000mg/L 72H LC50 Fish Brachydanio rerio= 0.72mg/L 96 Hr flow-through LC50 Fish Brachydanio rerio= 150mg/L 96 Hr static
1-5 %	ETHYL ALCOHOL	CAS: 64-17-5 - EINECS: 200-578-6 - 67-548-EC: 603-002-00-5	EC50 Daphnia Daphnia magna= 10800mg/L 24 Hr

			EC50 Daphnia Daphnia magna= 2mg/L 48 Hr Static
			LC50 Daphnia Daphnia magna= 9268mg/L 48 Hr 9268 - 14221
			LC50 Worm Eisenia foetida= 0.1MGCM 48 Hr filter paper 0.1 -
			LC50 Fish Oncorhynchus mykiss= 12.0mL/L 96 Hr static 12.0 - 16.
			LC50 Fish Pimephales promelas= 13400mg/L 96 Hr flow-through 13400 - 1510
			LC50 Fish Pimephales promelas> 100mg/L 96 Hr static
1-5 %	D-LIMONENE	CAS: 5989-27-5 - EINECS: 227-813-5 - 67-548-EC: 601-029-00-7	LC50 Fish Pimephales promelas= 0.619mg/L 96 Hr flow-through 0.619-0.79
			LC50 Fish Oncorhynchus mykiss= 35mg/L 96 Hr
			EC50 Daphnia 69.90000mg/L 48h
0.1-1 %	ALPHA-CEDRENE	CAS: 469-61-4 - EINECS: 207-418-4	EC50 Daphnia 0.04400mg/L 48 Hr

**Persistence and degradability**

Data not available

**Bioaccumulative potential**

Data not available

**Mobility in soil**

Data not available

**Other adverse effects**

Data not available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

**14. TRANSPORT INFORMATION**

**UN number**

ADR-UN number: 3082

DOT-UN Number: N/A

IATA-Un number: 3082

IMDG-Un number: 3082

**UN proper shipping name**

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-PINENE - CAMPHENE)

DOT Proper Shipping Name: N/A

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-PINENE - CAMPHENE)

IMDG Technical Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA-PINENE - CAMPHENE)

**Transport hazard class(es)**

ADR-Class: 9

DOT Hazard Class: N/A

IATA-Class: 9

IMDG-Class: 9

**Packing group**

ADR-Packing Group: III

ADR exempt: N/A

IATA-Packing group: III

IMDG-Packing group: III

**Environmental hazards**

Marine pollutant: Yes

Environmental Pollutant: Data not available

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Data not available

**Special precautions**

Department of Transportation (DOT):

DOT-Special Provision(s): N/A

DOT Label(s): N/A  
DOT Symbol: N/A  
DOT Cargo Aircraft: N/A  
DOT Passenger Aircraft: N/A  
DOT Bulk: N/A  
DOT Non-Bulk: N/A

\*Note: In containers of 119 gallons or less, this product is not regulated by D.O.T. - Ground Transportation

Road and Rail (ADR-RID):

ADR exempt: No  
ADR-Label: 9  
ADR - Hazard identification number: 90  
ADR Tunnel Restriction Code: (E)

Air (IATA):

IATA-Passenger Aircraft: 964  
IATA-Cargo Aircraft: 964  
IATA-Label: 9  
IATA-Subrisk: -  
IATA-Erg: 9L  
IATA-Special Provisions: A97 A158 A197

Sea (IMDG):

IMDG-Stowage Code: Category A  
IMDG-Stowage Note: -  
IMDG-Subrisk: -  
IMDG-Special Provisions: 274 335  
IMDG-Page: N/A  
IMDG-Label: N/A  
IMDG-EMS: F-A, S-F  
IMDG-MFAG: N/A

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

EUCALYPTOL	is listed in TSCA	8B
ALPHA-PINENE	is listed in TSCA	8B
CAMPHENE	is listed in TSCA	8B
ETHYL ALCOHOL	is listed in TSCA	8B
THUJONE	is listed in TSCA	8B
D-LIMONENE	is listed in TSCA	8B
1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-ONE;CAMPHOR	is listed in TSCA	8B, 8A, 8D
ALPHA-CEDRENE	is listed in TSCA	8B
BETA.-CEDRENE	is listed in TSCA	8B

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

no substances listed

##### Section 304 - Hazardous substances:

no substances listed

##### Section 313 - Toxic chemical list:

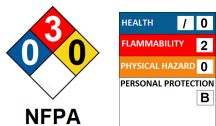
no substances listed

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

##### Substance(s) listed under CERCLA:







HMIS Health: 0 = Minimal Hazard  
HMIS Flammability: 2 = MODERATE  
HMIS Reactivity: 0 = Minimal Hazard  
HMIS P.P.E.: B = Safety Glasses + Gloves  
NFPA Health: 0 = No hazard.  
NFPA Flammability: 3 = Can be ignited under almost all ambient temperature conditions.  
NFPA Reactivity: 0 = Stable.  
NFPA Special Risk: NONE  
OSHA Flammability: Combustible liquid - Class IIIA

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
CLP: Classification, Labeling, Packaging.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
INCI: International Nomenclature of Cosmetic Ingredients.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
DNEL: Derived No Effect Level.  
PNEC: Predicted No Effect Concentration.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
WGK: German Water Hazard Class.  
KSt: Explosion coefficient.  
y for the damage.