

Palette Naturals[®]

SAFETY DATA SHEET (In accordance with 29 CFR 1910.1200)

WARM SPICE B

Safety Data Sheet generated: 8/2/2017

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: WARM SPICE B

Other means of identification:

Trade code: 2017031098

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: Poison Control Center for South Florida/Miami: 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. 3	Flammable liquid and vapour.
Eye Irrit. 2A	Causes serious eye irritation.
Skin Sens. 1A	May cause an allergic skin reaction.
Carc. 1B	May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
STOT RE 1	Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <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:



Danger

Code	Description
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H350	May cause cancer .
H372	Causes damage to organs through prolonged or repeated exposure .
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 not eat, drink or smoke when using this product.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

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

P337+P313 If eye irritation persists: 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
5-10 %	EUGENOL	CAS:97-53-0 EC:202-589-1	Eye Irrit. 2A, H319; Skin Sens. 1B, H317	01-2119971802-33 / -
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 %	BETA-PINENE	CAS:127-91-3 EC:204-872-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 1, H410; Aquatic Acute 1, H400	
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	
0.1-1 %	GINGER OIL	CAS:8007-08-7	Asp. Tox. 1, H304; Aquatic Chronic 3, H412; Skin Sens. 1, H317	
0.1-1 %	BENZOIC ACID	CAS:65-85-0 EC:200-618-2	Eye Dam. 1, H318; Aquatic Acute 3, H402; Skin Irrit. 2, H315; STOT RE 1, H372	
0.1-1 %	ISOEUGENOL	CAS:97-54-1 EC:202-590-7	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1A, H317	
0.1-1 %	SAFROLE (CAR 1B, MUT 2 +)	CAS:94-59-7 EC:202-345-4 Index:605-020-00-9	Acute Tox. 4, H302; Muta. 2, H341; Carc. 1B, H350	

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.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

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

- Eye irritation
- Eye damages

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:

CO2 or Dry chemical fire extinguisher.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

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.

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:

Cool and adequately ventilated.

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
ETHYL ALCOHOL	OSHA					1900	1000
	MAK					960	500
	ACGIH				1000		
BETA-PINENE	ACGIH						20
ALPHA-PINENE	ACGIH						20

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:

Use adequate protective respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid

Appearance and colour: & 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: 59.2 °C (138.6 °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: 1.09 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 = 1.0900

Refractive Index = 1.4642

Other information

Substance Groups relevant properties Data not available

Miscibility: Data not available

Fat Solubility: Data not available

Conductivity: Data not available

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

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

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:

EUGENOL LD50 Oral Rat = 1930mg/kg

ETHYL ALCOHOL LC50 Inhalation Rat = 124.7mg/l 4h

LD50 Oral Rat = 7060mg/kg

BETA-PINENE	LD50 Oral Rat = 4700mg/kg
ALPHA-PINENE	LD50 Oral Rat = 2100mg/kg LD50 Skin Rat > 5000mg/kg
BENZOIC ACID	LD50 Oral Rat = 1700mg/kg
GINGER OIL	LD50 Oral Rat > 5g/kg LD50 Skin Rabbit > 5g/kg
ISOEUGENOL	LD50 Oral Rat = 1560mg/kg
SAFROLE (CAR 1B, MUT 2 +)	LD50 Oral Rat = 1950mg/kg LD50 Skin Rabbit > 5g/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
SAFROLE (CAR 1B, MUT 2 +)	True

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

ETHYL ALCOHOL
SAFROLE (CAR 1B, MUT 2 +)

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

None

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

EUGENOL
ETHYL ALCOHOL
ISOEUGENOL
SAFROLE (CAR 1B, MUT 2 +)

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 %	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 %	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
0.1-1 %	BENZOIC ACID	CAS: 65-85-0 - EINECS: 200-618-2	EC50 Daphnia Daphnia magna= 300mg/L 24 Hr
			EC50 Algae Anabaena inaequalis= 5mg/L 3 Hr
			EC50 Daphnia Daphnia magna= 860mg/L 48 Hr Static
			LC50 Fish Gambusia affinis= 180mg/L 96 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: 1169
- DOT-UN Number: N/A
- IATA-Un number: 1169
- IMDG-Un number: 1169

UN proper shipping name

- ADR-Shipping Name: EXTRACTS, AROMATIC, LIQUID
- DOT Proper Shipping Name: N/A
- IATA-Technical name: EXTRACTS, AROMATIC, LIQUID
- IMDG Technical Name: EXTRACTS, AROMATIC, LIQUID

Transport hazard class(es)

- ADR-Class: 3
- DOT Hazard Class: N/A
- IATA-Class: 3
- IMDG-Class: 3

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: 3

ADR - Hazard identification number: -

ADR Tunnel Restriction Code: (E)

Air (IATA):

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subrisk: -

IATA-Erg: 3L

IATA-Special Provisions: A3

Sea (IMDG):

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subrisk: -

IMDG-Special Provisions: 223 955

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-E, S-D

IMDG-MFAG: N/A

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:

EUGENOL	is listed in TSCA	8B
ETHYL ALCOHOL	is listed in TSCA	8B
BETA-PINENE	is listed in TSCA	8B
ALPHA-PINENE	is listed in TSCA	8B
GINGER OIL	is listed in TSCA	8B
BENZOIC ACID	is listed in TSCA	8B
ISOEUGENOL	is listed in TSCA	8B
SAFROLE (CAR 1B, MUT 2 +)	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:

SAFROLE (CAR 1B, MUT 2 +)

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

BENZOIC ACID	Reportable quantity:	5000	pounds
SAFROLE (CAR 1B, MUT 2 +)	Reportable quantity:	100	pounds
	Reportable quantity for mixture:	100000	pounds

CAA - Clean Air Act

CAA listed substances:

no substances listed

CWA - Clean Water Act

CWA listed substances:

no substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

ETHYL ALCOHOL	Listed as carcinogen
SAFROLE (CAR 1B, MUT 2 +)	Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

no substances listed

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

no substances listed

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

no substances listed

16. OTHER INFORMATION

Code	Description
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects .
H350	May cause cancer .
H372	Causes damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Safety Data Sheet dated: 8/2/2017 - version 2

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Additional classification information



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 II

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.