



Safety Data Sheet

Tea Tree Essential Oil

June 17th, 2019

Section 1: Chemical Product and Company Identification

Product name: Tea Tree Essential Oil
Product Number: 1204
CAS Number: 68647-73-4

Relevant identified uses of the substance or mixture and uses advised against
Identified Uses: Laboratory chemicals, synthesis of substances

Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:
Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids (Category 4)	H227
Acute Toxicity, Oral (Category 4)	H302
Skin Irritation (Category 2)	H315
Eye Irritation (Category 2A)	H319
Specific Target Organ Toxicity – Single Exposure (Category 3). Respiratory System	H335

For the full text of the H-Statements mentioned in this section, see Section 16.

2.2 GHS Label elements including precautionary statements

Hazard pictograms



Signal Word: Warning

Hazard statements

H227	Combustible Liquid
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary Statements

Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.

Response:

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a POISON Center or doctor/physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P330	Rinse mouth
P332 + P313	If skin irritation occurs: Get medical advice/attention
P337 + P313	If eye irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P403 + P233	Store in well-ventilated place. Keep container tightly closed.
P403 + P235	Store in well-ventilated place. Keep cool.
P405	Store locked up

P501 Dispose of contents/container to an approved waste disposal plant

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

Section 3: Composition/Information on Ingredients

3.1 Mixtures

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard within the meaning of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS):

<i>Ingredient CAS Number</i>	Classification	Concentration
Tea Tree Oil 68647-73-4	Flam. Liq. 4; Acute Tox. 4; Skin Irr. 2; Eye Irr. 2A; STOT SE3; H227, H302, H315, H319, H335	<= 100%

See Section 16 for full text of GHS classification codes

Section 4: First Aid Measures

4.1 Description of first aid measures

General Advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Exposure:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Exposure:

Wash off with soap and plenty of water. Consult a physician.

Ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed Treatment:

No data available

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

For small (incipient) fires, use media such as “alcohol” foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information

Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses

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

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye/Face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Color: Light Yellow

Odor: No data available

Odor Threshold: No data available

Freezing Point: Not determined

Boiling Point and Range: 165°C (329°F) – lit.
Melting Point: Not determined
Flashpoint (CCCFP): >147°F (64°C)
Evaporation Rate: No data available
Flammability (solid, gas): No data available
Upper/Lower flammability or Explosive Properties: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: 0.898 g/cm³ at 25°C (77°F)
Water Solubility: 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

9.2 Other safety information

No data available

Section 10: Stability and Reactivity

10.1 Reactivity No data available

10.2 Chemical stability Stable under recommended storage conditions

10.3 Possibility of hazardous reactions No data available

10.4 Conditions to avoid Light, heat, flames and sparks. Extremes of temperature and direct sunlight

10.5 Incompatible materials Strong oxidizing agents

10.6 Hazardous decomposition products Other decomposition products – No data available

In the event of a fire: see Section 5

Section 11: Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"

Acute toxicity - Oral - (Rat) mg/kg (LD50: 1900)

Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: 5000)

Acute toxicity - Inhalation - (Rat) mg/L/4hr No data available

Skin corrosion / irritation: No data available

Serious eye damage / irritation: No data available

Respiratory sensitization: No data available



Skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC: No component of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure

Inhalation: May cause respiratory irritation

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

RTECS: RJ3697600

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and xPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects: No data available.

Section 13: Disposal Conditions

13.1 Waste treatment methods

Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information

Regulator	Class	NA Number	Packing Group
U.S. DOT	none	1993	III
Proper Shipping Name	Combustible Liquid, n.o.s (Tea Tree Oil)		
Poison Inhalation Hazard	No		
IATA (Air Cargo) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Dangerous Goods		
IMDG (Sea) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Dangerous Goods		

Section 15: Regulatory Information

U.S. Federal Regulations:

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components: CAS Number: 68647-73-4 – Tea Tree Oil

New Jersey Right to Know Components: CAS Number: 68647-73-4 – Tea Tree Oil

California Proposition 65 Warning: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

GHS H-Statements referred to under section 3

Acute Tox. Acute toxicity

Eye Irrit. Eye irritation

Flam. Liq. Flammable liquids

H227 Combustible liquid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.



BRAMBLE BERRY

HANDCRAFT PROVISIONS

HMIS Rating:

Health Hazard: 2

Chronic Health Hazard:

Flammability: 2

Physical Hazard: 0

NFPA Rating:

Health Hazard: 2

Fire Hazard: 2

Reactivity Hazard: 0

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