



SAFETY DATA SHEET

TEA TREE OIL

Printed: 06/22/2015

Revision: V1 06/22/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

COMMERCIAL NAME: Tea Tree Oil

Plant Part: Leaf and Stems

INCI: Melaleuca Alternifolia (Tea Tree) Leaf Oil
Botanical Name: *Melaleuca alternifolia*

CAS EINECS: 85085-48-9
CAS US: 68647-73-4
EINECS: 285-377-1
REACH: Exempt as per Annex IV and V according to EU Regulation 1907/2006

1.2. Relevant identified uses of the substance or mixture and uses advised against

USE: Flavor substance (Directive 88/388/CEE)
Fragrance substance
Cosmetic ingredient

COMPANY:
ADDRESS:

Distributed by



12781 Temescal Canyon Rd,
Corona, CA 92883
+1 (951) 674-4444
hello@essentialsbycatalina.com

EMERGENCY PHONE: (714) 884-3872

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification: according to Regulation (EC) n° 1272/2008 - (Regulation CLP)

AH1 Aspiration hazard 1
ATO4 Acute toxicity oral 4
ED12 Serious eye damage / eye irritation 2
EHA1 Hazardous to the aquatic environment, acute hazard 1
EHC1 Hazardous to the aquatic environment, long-term hazard 1
FL3 Flammable Liquids 3
SCI2 Skin corrosion / irritation 2
SS1B Sensitization, skin 1B

H226 - Flammable liquid and vapor
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

2.2. Labelling elements

GHS Classification: according to Regulation (EC) n° 1272/2008 - (Regulation CLP)

Warning mention: Danger

AH1 Aspiration hazard 1
ATO4 Acute toxicity oral 4
ED12 Serious eye damage / eye irritation 2
EHA1 Hazardous to the aquatic environment, acute hazard 1
EHC1 Hazardous to the aquatic environment, long-term hazard 1
FL3 Flammable Liquids 3
SC12 Skin corrosion / irritation 2
SS1B Sensitization, skin 1B

H226 - Flammable liquid and vapor.
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.



2.3. Other hazards

Contains Terpinene 1 ol 4 (4-carvomenthenol), gamma-Terpinene, Eucalyptol, alpha-Terpinene, p-Cymene, alpha-Pinene, Terpinolene, Dipentene (dl-Limonene), Sabinene, beta-Pinene, alpha-Thujene, Myrcene, alpha-Phellandrene, Methyl eugenol, p-Mentha-1(7),2-diene

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical Name	CAS No	Percent
Tea Tree Oil	68647-73-4	100

HAZARDOUS INGREDIENTS:

Material	C.A.S No.	EINECS	GHS Classification	Percent
Terpinene 1 ol 4 (4-carvomenthenol)	562-74-3	209-235-5	ATO4, EDI2, SCI2 - H302, H315, H319	45 - 50
gamma-Terpinene	99-85-4	202-794-6	AH1, FL3 - H226, H304	25 - 30
Eucalyptol	470-82-6	207-431-5	FL3, SS1B - H226, H317	15 - 20
alpha-Terpinene	99-86-5	202-795-1	AH1, ATO4, EHC2, FL3 - H226, H302, H304, H411	10 - 15
p-Cymene	99-87-6	202-796-7	AH1, EHC2, FL3 - H226, H304, H411	10 - 15
Terpinolene	586-62-9	209-578-0	AH1, EHA1, EHC1, SS1B - H304, H317, H400, H410	5 - 10
alpha-Pinene	80-56-8	201-291-9	AH1, FL3, SCI2, SS1B - H226, H304, H315, H317	5 - 10
alpha-Terpineol	98-55-5	202-680-6	EDI2, SCI2 ; H315, H319	5 - 10
Dipentene (dl-Limonene)	138-86-3	205-341-0	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	0 - 5
Estragole	140-67-0	205-427-8	ATO4, CAR2, MUT2, SS1B - H302, H317, H341, H351	0 - 5
Myrcene	123-35-3	204-622-5	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	0 - 5
Sabinene	3387-41-5	222-212-4	FL3 ; H226	0 - 5
alpha-Phellandrene	99-83-2	202-792-5	AH1, FL3 - H226, H304	0 - 5
alpha-Thujene	2867-05-2	220-686-7	FL3 ; H226	0 - 5
beta-Pinene	127-91-3	204-872-5	AH1, FL3, SCI2, SS1B - H226, H304, H315, H317	0 - 5
p-Mentha-1(7),2-diene (beta-Phellandrene)	555-10-2	209-081-9	AH1, FL3 - H226, H304	0 - 5

3.2. Mixtures

Not concerned

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures required

Skin contact:

Rinse with plenty of water and change clothes if necessary. If irritation persists or if skin lesions of any kind appear, seek medical advice.

Eye contact:

Rinse immediately with plenty of running water, opening the eyes wide under the tap. If possible, lift the upper eyelid and rinse. If irritation persists or if skin lesions of any kind appear, consult an eye specialist, taking the product with you. If you wear contact lenses, rinse your eyes immediately. The lenses will probably fall out during rinsing. If not, remove them after rinsing. Do not put them back in. If you wear soft contact lenses, throw them away even if new. Hard contact lenses may be used again after proper cleaning by an eye care professional. In all cases, do not wear contact lenses after the accident without the advice of an eye specialist.

Ingestion:

Rinse the mouth out with water. Remove victim to fresh air. Keep them warm and allow them to rest quietly. Do not induce vomiting unless otherwise directed by a medical professional. If vomiting occurs spontaneously, keep head low down to prevent aspiration into the lungs. If harmful effects persist or worsen, call a doctor. If patient is unconscious, place them in the lateral recovery position and call a doctor immediately. Make sure the area is well ventilated.

Excessive inhalation:

Remove victim to fresh air. Keep them warm and allow them to rest quietly. If harmful effects persist or worsen, call a doctor. If patient is unconscious, place them in the lateral recovery position and call a doctor immediately.

Make sure the area is well ventilated.

In general, in case of doubt or if symptoms persist, ask for medical advice. Never give anything by ingestion to an unconscious person. It is recommended that those who provide first aid have a personal protective equipment. Any initiative must be taken which involves an individual risk or in the absence of appropriate training.

4.2. Most important, acute or delayed symptoms/effects

For further details regarding symptoms and effect on health, see section 11.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂) or powder fire extinguisher (ABC Classes), foam extinguisher.

Unsuitable extinguishing media: Direct jet of water.

5.2. Special hazards arising from the substance or mixture

Possible production of toxic fumes under fire.

5.3. Advice for firefighters

Avoid breathing in vapor or smoke emitted. Use a mask if necessary.

Do not attempt to fight the fire with water, which tends to feed rather than smother the flames. Essential oils have the ability to float on water and this causes the fire to propagate more quickly. To put out an essential oil-based fire in its early stages, use a specific ABC dry powder fire extinguisher (or equivalent). Small fires can be smothered by covering with earth, sand or a blanket.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal safety precautions, protective equipment and emergency procedures

Remove all possible ignition sources. Ventilate the premises. Do not smoke.

6.2. Environmental protection precautions

Avoid contaminating the drainage system, surface water or ground water. Dispose of any contaminated cloths, sponges, etc. in accordance with the regulatory instructions in force.

6.3. Containment and cleaning methods and equipment

Large spills must first be absorbed with inert material (e.g. sand, earth, diatomaceous earth, vermiculite) which must then be swept up and disposed of in accordance with the regulations in force, see section 13.

6.4. Reference to other sections

For personal protection, see section 8.

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact, do not inhale hot vapor, do not ingest, work under an extraction hood or arm. Evacuate all unnecessary personnel not wearing protective clothing. Do not touch or step in the spilled product. Ensure adequate ventilation. If the ventilation system is inadequate, wear an appropriate respiratory protection device.

It is forbidden to eat, drink or smoke in areas where this product is handled, stored or used. Personnel are recommended to wash their hands after using the product and remove contaminated clothing and protective equipment before entering eating or rest areas or toilets.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed containers protected from heat and light. Opened containers must be carefully reclosed and kept upright to avoid leakage.

Avoid storing with incompatible substances or mixtures: label according to the regulations in force, refer to chemical incompatibility table (INRS* -Storage and transfer of hazardous chemicals).

7.3. Specific end use(s)

Comply with the regulations, no specific recommendations. Apply the above handling guidelines.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Not determined, comply with regulations in force (occupational exposure limits, Derived No*Effect Level DNEL, Predicted No-Effect Concentration PNEC)

8.2. Exposure controls

Appropriate technical control: Maintain concentration levels in the air below the occupational exposure limits defined in the standards. Use localized extraction equipment. Make use of mechanical handling equipment to reduce human contact with the products.

Personal protection measures:

- **Eye and face protection:** Protective glasses or goggles should be worn.
- **Skin protection:** Waterproof gloves that are resistant to essential oils and comply with an approved standard should be worn
- **Respiratory protection:** Not generally necessary if the area is well ventilated (unless otherwise indicated).
- **Heat exposure hazards:** Exposure to a heat flux from a fire or explosion can cause burns of varying degrees, depending on the distance from the heat source. It is essential to wear appropriate protective equipment as well as an autonomous respiratory protection device.
- **Exposure control related to environmental protection:** Comply with local environmental protection laws.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on physical and chemical properties

- Appearance: Liquid
- Color: Colorless to light yellow
- Odor: Characteristic
- Flash point: + 50°C
- Density (at 20°C): 0.883 - 0.906
- Solubility: Insoluble in water

9.2. Other information

- Optical rotation (°): +1 - +15
- Refractive index (at 20°C): 1.468 -1.488

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

This product is shock-, vibration- and pressure-resistant under normal usage conditions. Exposure to light or heat may cause oxidation.

10.2. Chemical stability

No significant change in composition over time if the storage conditions are observed.

10.3. Possibility of hazardous reactions

None to our knowledge under normal usage conditions.

10.4. Conditions to avoid

Do not heat to a high temperature. Do not expose closed containers to direct sunlight. Keep away from ignition sources.

10.5. Incompatible materials No available information

10.6. Hazardous decomposition products

The product does not decompose under normal usage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity - oral:

LD50 oral: (Rat) = 1900 mg/kg

H302: Harmful if swallowed. / H304: May be fatal if swallowed and enters airways.

Acute toxicity - dermal:

LD50 dermal: (Rabbit) > 5000 mg/kg

Skin corrosion / irritation:

H315: Causes skin irritation.

Serious eye damage / irritation:

H319: Causes serious eye irritation.

Respiratory or skin sensitization: H317: May cause an allergic skin reaction.

Germ cell mutagenicity: H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Carcinogenicity: H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Toxicity for reproduction:

STOT - single exposure:

STOT - repeated exposure:

Aspiration hazard: H304: May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

H400: Very toxic to aquatic life. / H410: Very toxic to aquatic life with long lasting effects. / H411: Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No available information

12.3. Bio accumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

No available information

12.6. Other adverse effects

No available information

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Do not discharge into drainage systems or watercourses. Waste should be recycled or disposed of according to the legislation in force, preferably by an approved recycling or waste treatment company. Do not pollute the soil or water; do not dispose of waste in the environment. Empty containers completely. Do not remove labels. Use an approved waste disposal company.

13.2. Additional information**Local clauses:**

The regulations relating to waste are codified in the French Environmental Code, according to Act No 2000-914 of 18 September 2000 relating to the legislative part of the Environmental Code. The text of Articles L. 541-1 to L. 541-50 is found in Book V (Prevention of pollution, risks and nuisances), Section IV (Waste), and Chapter I (Waste disposal and materials recovery).

SECTION 14: TRANSPORTATION INFORMATION

UN3077 and UN3082 Exemption

These materials - when transported in single or combined packaging's and containing a net quantity/weight $\leq$ to 5 L (for liquids) or $\leq$ 5 kg (for solids) - are not subject to regulation (special provision 375 for IMDG and ADR, Special Provision A197 for IATA).

14.1. UN number

ADR: 1169 (Underground code: (D/E))

IMDG: 1169

IATA: 1169

14.2. UN proper shipping name

ADR: EXTRACTS, AROMATIC, LIQUID (alpha-Terpinene)

IMDG: EXTRACTS, AROMATIC, LIQUID (alpha-Terpinene)

IATA: EXTRACTS, AROMATIC, LIQUID (alpha-Terpinene)

14.3. Transport hazard class(es)

ADR: 3

IMDG: 3

IATA: 3

14.4. Packing group

ADR: III

IMDG: III

IATA: III

14.5. Environmental hazards

IMDG: Marine pollutant



SECTION 15: REGULATORY INFORMATION

RIFM: Listed

CoE: 275

FEMA: 3902
EINECS: 285-377-1
IFRA: Consultable on Internet site: www.ifraorg.org
C.A.S. (EU): 85085-48-9
FDA: -
FCC: Not listed
FOOD GRADE: Cat. 4 (anc. N3)
TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS Does not comply
ENCS Does not comply
IECSC Complies
KECL Complies
PICCS Complies
AICS Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label information

EPA Pesticide registration number Not applicable

SECTION 16: OTHER INFORMATION

Full H sentences text in point 3:

- H226 Flammable liquid and vapor.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H341 Suspected of causing genetic defects
- H351 Suspected of causing cancer
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Harmonized Tariff Code:

This MSDS complements the sheets in use, but does not replace them. The information it contains is based on the state of our knowledge about the product concerned at the time of update. They are given in good faith.

The attention of users is also drawn to the risks, if any, where a product is used for other purposes than those for which it was designed.

In no way is a user dispensed from knowing and applying the written regulations in the use of the product.

All regulatory requirements mentioned merely intend to help the user to fulfil their obligations when using a dangerous product.

This list should not be considered exhaustive. It does not dispense the user to ensure that no other obligations lie on him because of texts other than those cited and regulating the possession and use of the product, for which he alone is responsible.
