



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
**OSHA (US) 29 CFR 1910.1200 and 49 CFR)**

**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1 Product identifier:** Tea Tree Oil

**HBNO identifier:** 1083

**Chemical name:** Melaleuca alternifolia, oil

**CAS:** 68647-73-4

**EC Number:** 285-377-1

**UFI Number:** n/a

**EC REACH Registration number:** -

**Index No / Inventory Num.:** -

**1.2 Usage:** This product is only intended for use as an ingredient in the manufacturing of mixtures.

**Strongly discouraged:** Not intended for the general public. Do not ingest as such.

**1.3 Details of the supplier of the safety data sheet:**

IL Health & Beauty Natural Oils Co., Inc.

2644 Hegan Ln, Chico, CA 95928

Tel, USA: 1-530-399-3782

[info@hbno.com](mailto:info@hbno.com)

**1.4 24 Hour Emergency telephone number:**

USA National Poison Control Center (any day/time) 1 (412) 681-6669.

UK National Poison Information Service (any day/time) 111.

German Federal Institute for Risk Assessment (any day/time) +49-30-18412-0.

**Section 2: Hazard Identification**

**2.1 Classification of the substance or mixture**

**Classification according to the Regulation (EC) No 1272/2008.**

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



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**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

**2.2 Label Elements**



Signal word: Warning

Hazard statement(s)

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

Precautionary statement(s)

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ 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.
- 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 persists: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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

**2.3 Other Hazards**

N/A

**Section 3: Composition/Information on Ingredients**

**3.1 Substances**

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS	Chemical Name	Specific Concentration Limit (SCL), Multiplication Factor (M-factor), Acute Toxicity Estimate (ATE)
100%	285-377-1	68647-73-4	Melaleuca alternifolia, oil	Not available.

**Section 4: First Aid Measures**

**4.1 Description of First Aid Measures**

**Consumption:**

If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.

**Eye contact:**

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

**Inhalation:**

Remove person to fresh air and keep at rest.

**Skin contact:**

Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:**



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
**OSHA (US) 29 CFR 1910.1200 and 49 CFR)**

**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

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**

Not available.

**Section 5: Fire Fighting Measures**

**5.1 Extinguishing media:**

**Suitable:** Foam or dry powder.

**Not Suitable:** water or wet chemical extinguishers.

**5.2 Special hazards arising from the substance or mixture:**

Not applicable.

**5.3 Advice for firefighters:**

Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapors. Use appropriate respiratory protection. Prevent run-off from fire fighting to enter drains or water courses.

**Section 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**6.1.1 For Non-Emergency Responders**

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure.

Avoid contact with skin and inhalation of its vapors or smoke. Maintain adequate ventilation in the working area after spilling.

**6.1.2 For Emergency Responders**

Fabric Required: Flame-retardant coated fabrics

**6.2 Environmental precautions:**

Avoid contaminating the environment via the sewers or water sources.

**6.3 Methods and material for containment and cleaning up:**

**6.3.1 Containment of a Spill**



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

If safe and able to do so, bring the container to an upright stance, place the container on a spill containment pallet or into a UN rated containment overpack.

**6.3.2 Cleanup of a Spill**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate the area and wash spill site after material pickup is complete. Dispose of it in accordance with current laws and regulations

**6.4 Reference to other sections:**

See also sections 8 and 13.

**Section 7: Handling and storage**

**7.1 Precautions for safe handling:**

Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

**7.3 Specific end use(s):**

Not available.

**Section 8: Exposure controls/personal protection**

**8.1 Occupational Exposure Limits (OEL)**

No applicable Occupational Exposure Limits (OEL).

**8.2 Exposure controls**

**8.2.1 Appropriate Engineering Controls**

**Engineering Controls-Ventilation:**

The areas where the product is handled and stored should be adequately ventilated.

**8.2.2 Individual Protection Measures**



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

**Personal protection equipment:**

Use personal protection equipment according to Directive 89/686/EEC.

**Respiratory Protection:**

Use personal breathing apparatus whenever deemed necessary.

**Skin Protection:**

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

**Eye/Face protection:**

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

**8.2.3 Environmental Exposure Controls**

Keep substance in a well stored area that has the capacity to contain spills.

**Section 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance: Clear to Light Yellow Liquid

Odor: N/A

Odor Threshold: N/A

pH: N/A

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling Range: 165 °C – lit.

Flash Point: 64 °C

Evaporation Rate: N/A

Flammability: N/A

Upper/Lower Flammability or Explosive Limits: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density: 0.898 g/cm<sup>3</sup> at 25 °C

Solubility: Insoluble in water

Partition Coefficient (n-octanol/water): N/A



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5    SDS#0143    Language: English    Revision date: 7/8/2025

Auto-Ignition Temperature: N/A

Decomposition Temperature: N/A

Kinematic Viscosity: N/A

**Section 10: Stability and reactivity**

- 10.1 Reactivity:** Not available.
- 10.2 Chemical stability:** Stable under normal operating conditions.
- 10.3 Possibility of hazardous reactions:** Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.
- 10.4 Conditions to avoid:** Heat, flames, and other sources of ignition.  
**No special precautions other than good housekeeping of chemicals.**
- 10.5 Incompatible materials:** Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.
- 10.6 Hazardous decomposition products:** Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

**Section 11: Toxicological information**

**11.1 Information on toxicological effects**

Hazard	Meets/Does not meet Criteria	Data	Likely Routes of Exposure
Acute toxicity:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion
Skin corrosion/irritation:	This substance meets the criteria	Data not provided by supplier or readily available	Skin contact
Serious eye damage/irritation:	This substance meets the criteria	Data not provided by supplier or readily available	Eye contact
Respiratory or skin sensitization:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion
Germ cell mutagenicity:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
**OSHA (US) 29 CFR 1910.1200 and 49 CFR)**

**Product: Tea Tree Oil**

Version: 5    SDS#0143    Language: English    Revision date: 7/8/2025

Carcinogenicity:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion
Reproductive toxicity:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion
STOT-single exposure:	This substance meets the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion
STOT-repeated exposure:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion
Aspiration toxicity:	This substance does not meet the criteria	Data not provided by supplier or readily available	Inhalation, Ingestion

**Symptoms, Delayed and Immediate Effects**

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Section 12: Ecological information**

- 12.1 **Acute aquatic toxicity:** Not determined.
- 12.2 **Persistence and degradability:** Not available.
- 12.3 **Bioaccumulative Potential:** Not determined.
- 12.4 **Mobility in soil:** Not available.
- 12.5 **Results of PBT and vPvB assessment:** Not determined.
- 12.6 **Endocrine Disrupting Properties:** Not determined.
- 12.7 **Other adverse effects:** Do not allow the material to enter streams, sewers, or other waterways.

**Section 13: Disposal considerations**

**13.1 Waste treatment methods**

**Container disposal:** Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralize. Empty residue into a suitable disposal site.

**Disposal conditions:** Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

**Physical/Chemical Properties That Effect Waste Treatment Options:**

**Sewage Disposal:** Do not dispose of this through the sewage system

**Special Precautions:** n/a

**Section 14: Transport information**

**NON-BULK AND LIMITED QUANTITY TRANSPORT EXCEPTIONS**

**(for Class 3 Flammable and Combustible Liquids that are Marine Pollutants)**

**Products in inner packaging less than the following quantities are not subject to regulation for transport:**

DOT GROUND - Single or Inner Packaging less than 450 L / 119 gal

AIR - Single or Inner Packaging 30 mL / 1 fl oz or less

MARINE - Single or Inner Packaging 5 L / 1.3 gal or less

***Citations:***

*Per 49 CFR 171.8 Definitions*

*Non-bulk packaging* means a packaging which has a maximum capacity of 450 L (119 gallons) or less as a receptacle for a liquid.

*Per 49 CFR 173.150(f) Exceptions for Class 3 Flammable and Combustible Liquids (DOT Ground Transport only) — (Page 4-23 to 4-25 DGI Manual)*

(f1) A flammable liquid with a flash point at or above 38 °C (100 °F) may be re-classed as a combustible liquid.

(f2) Shipments of combustible liquids in non-bulk single or inner packagings (less than 450 L / 119 gal) are not subject to ground transport regulations.

*Per 49 CFR 171.4(c) Marine Pollutants Exceptions —(Page C-3 DGI Manual)*

(c1) (Ground Transport): Requirements specific to marine pollutants do not apply to non-bulk packaging (less than 450 L / 119 gal) transported by motor vehicle.

(c2) (Sea Transport): Single or combination packagings containing a net quantity per single or inner packagings of 5 L or less are not subject to marine pollutant regulations.



**SAFETY DATA SHEET**  
**(According to Regulation (EU) No. 1907/2006 and**  
**OSHA (US) 29 CFR 1910.1200 and 49 CFR)**

**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

**Bulk Transport**

**14.1 Non-Bulk Transport, DOT (US)**

Not regulated if below Limited and Excepted Quantities.

**14.2 Non-Bulk Transport / Limited and Excepted Quantities:**

US Department of Transportation (DOT) Non-Bulk Quantity limits:

Flammable liquids Class 3

Packing Group III, and Combustible liquids

Ground: 450 L / 119 gal

Passenger aircraft/rail: 60 L

Cargo aircraft only: 220 L (58 gal)

**14.3 DOT Limited Quantities (Not subject to labeling per 49 CFR 173.150)**

Each package may not exceed 30 kg (66 pounds) gross weight.

Ground: Inner packaging not over 5.0 L (1.3 gallons) each.

Air: Inner packaging not over 120 mL (4 fluid oz.) each.

**14.4 DOT Marine Pollutants (49 CFR 171.4):**

Except when all or part of the transportation is by vessel, non-bulk packages (less than or equal to 450 L / 119 gal) that are marine pollutants, are not regulated as hazardous materials when transported by motor vehicle, rail car or aircraft.

**14.5 Bulk Transport (Ground: >450L; Passenger Air: > 60L; Cargo Air: >220 L; Marine: >450L)**

DOT (US)

UN Number: 1993

Class: 3

Packing group: III

Proper shipping name: Flammable liquid, n.o.s. (Tea tree oil)

**14.6 IMDG**

Not regulated.

**14.7 IATA**



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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

Not regulated.

Special Provisions for Handler: n/a

**Section 15: Regulatory information**

**15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture:**

Applicable EU Legal Codes/Regulations

- CLP Regulation (EC) No 1272/2008
- REACH Regulation (EC) No 1907/2006
- EU Cosmetics Regulation (EC) No 1223/2009

**15.2 Chemical safety assessment:**

Not available.

**Section 16: Other information**

**Revision Log:**

- Revision 1: SDS made
- Revision 2: updated formatting
- Revision 3: updated formatting
- Revision 4: updated section 1.3 with new email and address
- Revision 5: updated formatting

**Advice For Training Workers:** Carefully read the SDS. Consult third party training agencies for basic information on GHS hazards. Do not let employees handle the product until they are trained on GHS hazards.

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC



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**(According to Regulation (EU) No. 1907/2006 and**  
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**Product: Tea Tree Oil**

Version: 5 SDS#0143 Language: English Revision date: 7/8/2025

and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

3. Occupational Safety and Health Administration (US); 29 CFR 1910 and 49 CFR, March 28, 2012, modifying the Hazard Communication Standard (HCS) and aligning it with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as established by the United Nations (UN).

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