

# MATERIAL SAFETY DATA SHEET

Product Name: Tea Tree Oil

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## 1 - Identification of Chemical Product and Company

### Statement of Hazardous Nature

This product is classified as: Hazardous according to the criteria of NOHSC Australia.

Dangerous according to the Australian Dangerous Goods (ADG) Code.

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**Substance:** Essential oils are usually mixtures of terpene compounds and their derivatives.

**Trade Name:** Tea Tree Oil – Certified Organic

**Botanic name:** *Melaleuca alternifolia*

**Product Use:** Aromatherapy fragrance and flavour product.

**Creation Date:** April 2012

**Revision Date:** April 2017

## Section 2 - Composition/Information on Ingredients

| Ingredients | INCI Name                                  | CAS No     | Conc, | %TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|-------------|--|------------|-------|---------------------------|---------------------------|
|             | Melaleuca alternifolia (Tea Tree) Leaf Oil | 68647-73-4 |       | not set                   | not set                   |

This product is made from natural sources and may vary slightly from batch to batch.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

## Section 3 - Hazards Identification

**Risk Phrases:** R21/22, R36/38. Harmful in contact with skin and if swallowed. Irritating to eyes and skin. **Safety**

**Phrases:** S20, S24/25. When using, do not eat or drink. Avoid contact with skin and eyes

**SUSDP Classification:** None allocated..

**ADG Classification:** Class 3, Sub risk: None allocated

**UN Number:** 2319

### Emergency Overview

**Physical Description & colour:** Clear colourless to Pale Yellow

**Odour:** Characteristic of Tea Tree

**Major Health Hazards:** No major health hazards are known.

### Potential Health Effects

#### Inhalation

**Short term exposure:** Available data indicates that this product is not harmful. In addition, product is unlikely to cause any discomfort or irritation.

**Long Term exposure:** No data for health effects associated with long term inhalation..

#### Skin Contact:

**Short term exposure:** Available data shows that this product is harmful, but symptoms are not available. However, product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.

**Long Term exposure:** No data for health effects associated with long term skin exposure.

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## Eye Contact:

**Short term exposure:** This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

**Long Term exposure:** No data for health effects associated with long term eye exposure.

## Ingestion:

**Short term exposure:** Available data shows that this product is harmful, but symptoms are not available.

**Long Term exposure:** No data for health effects associated with long term ingestion.

## Carcinogen Status:

**NOHSC:** No significant ingredient is classified as carcinogenic by NOHSC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

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## Section 4 - First Aid Measures

### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia and is available at all times. Have this MSDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** If significant skin contact occurs, wash gently and thoroughly with water (use non-abrasive soap if necessary) for 10 minutes or until chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts). Contact a Poisons Information Centre, or call a doctor.

**Eye Contact:** Quickly and gently blot or brush away product. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed or until a few minutes after irritation has ceased, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

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## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** This product is classified as a C1 combustible product. There is a slight risk of an explosion from this product if commercial quantities are involved in a fire. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Foam is the preferred medium for large fires.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** >57 Degrees Celsius

**Upper Flammability Limit:** No data.

**Lower Flammability Limit:** No data.

**Auto ignition temperature:** No data.

**Flammability Class:** C1

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## Section 6 - Accidental Release Measures

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include PVC, Viton. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Avoid using sawdust or other combustible material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering



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## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Containers should be kept dry. Keep away from sources of sparks or ignition.

**Incompatibilities:** strong acids, strong oxidising agents, strong reducing agents, porous materials such as zeolites and similar mineral products, rags.

**Fire Decomposition:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product is unlikely to undergo polymerisation processes.

## Section 11 - Toxicological Information

**Target Organs:** There is no data to hand indicating any particular target organs.

## Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No hazardous ingredients present in hazardous concentrations. No hazardous ingredients present in hazardous concentrations.

## Section 12 - Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

## Section 13 - Disposal Considerations

**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. Please do NOT dispose into sewers or waterways.

## Section 14 - Transport Information

**ADG Code:** 2319, TERPENE HYDROCARBONS, N.O.S.

**Hazchem Code:** 3[Y]E

**Special Provisions:** No special provisions specified. SP109

**Dangerous Goods Class:** Class 3, Flammable Liquid

**Packaging Group:** III

**Packaging Method:** 3.8.3, RT1

Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, except where Flammable Liquid is nitro methane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

## Section 15 - Regulatory Information

**AICS:** This product was found in the public AICS Database.

## Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

### Acronyms:

**ADG Code**

Australian Code for the Transport of Dangerous Goods by Road and Rail

**AICS**

Australian Inventory of Chemical Substances

**CAS number**

Chemical Abstracts Service Registry Number

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|                       |   |
|-----------------------|---|
| <b>Hazchem Number</b> | Emergency action code of numbers and letters that provide information to emergency services especially firefighters |
| <b>IARC</b>           | International Agency for Research on Cancer   |
| <b>NOHSC</b>          | National Occupational Health and Safety Commission  |
| <b>NOS</b>            | Not otherwise specified   |
| <b>NTP</b>            | National Toxicology Program (USA)   |
| <b>R-Phrase</b>       | Risk Phrase   |
| <b>SUSDP</b>          | Standard for the Uniform Scheduling of Drugs & Poisons  |
| <b>UN Number</b>      | United Nations Number   |

## CONTACT POINT:

**Tel: +81 50 5806 7648**

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**National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)**

The information contained in the Material Safety Data Sheet was obtained from current and reliable sources. The data is supplied without warranty, expressed or implied, regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume loss, injury, damage or expense resulting from improper use of this product.

Please read all labels carefully before using product.