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**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	Tea Tree (Australia) Essential Oil
Product code	EO-TTREA
Botanical name	Melaleuca alternifolia
CAS #	68647-73-4
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

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**2. HAZARD(S) IDENTIFICATION****GHS Hazard Classification**

Flammable liquids - Category 4 - H227  
Acute toxicity, oral - Category 4 - H302  
Skin corrosion/irritation - Category 2 - H315  
Serious eye damage/eye irritation - Category 2A - H319  
Specific target organ toxicity, single exposure; Respiratory tract irritation - Category 3 - H335

**GHS Label Elements**

Pictogram  
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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash face, hands and any exposed 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.

**Precautionary Statements - 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 water.
P304+P340	If inhaled: Remove person to fresh air and keep 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.
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.
P370+P378	In case of fire: CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

P403+P233+P235	Store in a well ventilated place. Keep container tightly closed. Keep cool.
P405	Store locked up.

**Precautionary Statements - Disposal**

P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
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**Hazards Not Otherwise Classified (HNOC)**

No data available.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Product Name</b>	<b>CAS NO</b>	<b>Concentration</b>
Terpinen-4-ol	562-74-3	30 - 48%
1,8-Cineole	470-82-6	Trace - 15%
γ-Terpinene	99-85-4	10 - 28%
α-Terpinene	99-86-5	5 - 13%
α-Pinene	80-56-8	1 - 6%
Sabinene	3387-41-5	Trace - 3.5%
Terpinolene	586-62-9	1.5 - 5%
Limonene	138-86-3	0.5 - 1.5%
p-Cymene	99-87-6	0.5 - 8%

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### 4. FIRST-AID MEASURES

**Description of first aid measures****Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**

Remove contaminated clothing. Wash with soap and plenty of water. Consult physician if irritation occurs.

**Inhalation**

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Ingestion**

Do NOT induce vomiting. Clean mouth with water, or dilute with milk or water. Never give anything by mouth to an unconscious person. Consult a physician immediately.

### **Most important symptoms and effects, both acute and delayed**

No data available.

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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## **5. FIRE-FIGHTING MEASURES**

### **Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Specific hazards arising from the chemical**

No data available.

### **Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Further information**

No data available.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### **Methods and materials for containment and cleaning up**

#### **Methods for containment**

Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth), and place in container for disposal according to local/national regulations.

#### **Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

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## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. Use product only in closed system. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

### **Conditions for safe storage, including any incompatibilities**

#### **Storage conditions**

Keep in a dry, cool and well-ventilated place. Keep out of reach of children. Avoid direct sunlight and sources of heat or ignition.

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**Incompatible materials**

Strong oxidizing agents.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Control parameters**

Contains no substances with occupational exposure limit values.

**Exposure controls****Engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose 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).

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practices. Avoid breathing (dust, vapor, mist, gas). Regular cleaning of equipment, work area, and clothing is recommended.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Colorless to pale yellow/clear
Odor	Characteristic warm, spicy odor
Flash point	> 59 °C (138 °F)
Specific gravity (@ 20°C)	0.880 - 0.910
Refractive Index (@ 20°C)	1.475 - 1.482
Optical Rotation (@ 20°C)	5.0 - 15
Solubility	Soluble in alcohol and oils. Insoluble in water.
Extraction Method	Steam distillation of the leaves.

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## 10 . STABILITY AND REACTIVITY

**Reactivity**

No dangerous reaction known under conditions of normal use.

**Chemical stability**

Stable under recommended storage conditions.

**Possible hazardous reactions**

None under normal processing.

**Conditions to avoid**

Avoid direct sunlight, sparks, flame, and excessive heat.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition**

Carbon oxides.

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## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects****Acute toxicity**

LD50 oral (rat): 1,900 mg/kg

LD50 dermal (rabbit): 5,000 mg/kg

**Skin corrosion/irritation**

No data available.

**Serious eye damage/eye irritation**

No data available.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**Aspiration hazard**

No data available.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No data available.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

No data available.

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## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Product**

Dispose of product in accordance with local regulations.

**Contaminated packaging**

Do not reuse container.

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**14. TRANSPORT INFORMATION**

**US DOT (Land)**

UN/ID #	1993
Proper Shipping Name	Combustible liquid, n.o.s.
Hazard Class	NONE
Packing Group	III

**IMDG/IMO (Sea)**

Not regulated.

**IATA/ICAO (Air )**

Not regulated.

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**15. REGULATORY INFORMATION**

**SARA 302**

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

**SARA 311/312**

Fire Hazard, Acute Health Hazard

**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.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**US State Right-to-Know Regulations**

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>	<b>Rhode Island</b>
Tea Tree Oil (68647-73-4)	X		X	

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**16. OTHER INFORMATION**

Creation date: 12/13/2013

Revision date: 4/1/2018

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