

# Tea Tree Oil 100% Pure



## Product Summary:

*Melaleuca alternifolia* or Tea tree is a native Australian shrub that reaches 22 feet in height, has layers of papery bark, pointed leaves and white flower spikes. As the antiseptic and infection fighting qualities of tea tree oil became known in the 1930's it became widely used and was standard army issue to every Australian soldier in World War II. Tea tree oil penetrates the skin readily and its combination of some 100 natural compounds has remarkable anti-viral, anti-fungal and anti-bacterial activity. "Tea tree, and in particular its essential oil, is one of the most important natural antiseptics. Useful for stings, burns, wounds, and skin infections of all kinds, the herb merits a place in every medicine chest."<sup>1</sup>

Recent research shows that the components of tea tree oil are lethal to a wide range of microorganisms, including *methicillin resistant staphylococcus aureus*,<sup>2</sup> *E. coli*, the fungus *candida albicans* and many others. It was shown to effectively kill many pathogenic (disease causing) organisms, yet seems to spare the normal flora of the body such as *lactobacillus* species. Tea tree oil was shown to be effective against the organisms that cause the common childhood infections impetigo, and the microbes, which cause bacterial vaginosis in women. Tea tree oil has a wide range of anti-fungal activity and also appears to have mild analgesic properties. Its ability to adhere to and penetrate the skin gives it a marked advantage over conventional antiseptics and antibiotics.

## Properties/Uses:

The claim approved by *Natural Health Products Directorate* (NHPD): Traditional herbal antiseptic/germicide for relief of minor skin ailments and abrasions.



GENERAL HEALTH  
& WELLNESS



## Pharmacology:

One of the most important constituents is terpinen-4-ol (a significant antiseptic and well tolerated by the skin), gamma-terpinene, alpha-terpinene and cineol. Cineol can irritate the skin.<sup>3</sup> "In 1985 a quality standard for tea tree oil (*M. alternifolia*) was established in Australia (Australian Standard, Oil of Melaleuca, "Terpinen-4-ol Type," AS 2782). The standard calls for terpinen-4-ol to be 30% or more of oil composition with less than 15% cineole; higher quality oils containing 40-47% terpinen-4-ol, and 2.5% cineole. Oils high in terpinen-4-ol, and low in cineole are considered best for predictable clinical results."<sup>4</sup>





## Manufactured product information:

**Manufacturer:**

WN Pharmaceuticals® Ltd.

**Size/UPC:**

50 mL ..... 7 77747 10283 9

**NPN:**

02244732

**Expiry Date:**

36 months from date of manufacture.

**Active Ingredient:**

Each 1 mL (20 drops) contains:

Tea Tree Oil (*Melaleuca alternifolia*) 100% pure..... 1 mL

**Non medicinal Ingredients:**

N/A

**Appearance:**

Light yellow to clear liquid.

**Packaging:**

50 mL glass amber round bottle under a18 mm white tamper evident band cap with horizontal dropper and a label applied to the bottle. Lot number and expiry date are printed on the label applied to the exterior of the bottle.

**Storage:**

Store in fully closed light proof containers in a cool, dry place.





## Dose:

Each mL (20 drops) contains Tea Tree Oil (*Melaleuca alternifolia*) 100% pure.

## Directions:

**(Adults):** Apply 2 to 3 times daily to affected areas or as recommended by a physician.

## Caution:

The caution as approved by the *Natural Health Products Directorate* (NHPD): KEEP OUT OF THE REACH OF CHILDREN. FOR EXTERNAL USE ONLY. Avoid contact with eyes and mucous membranes. In case of accidental contact, rinse with water. Discontinue use if rash or irritation occurs. Do not use in the presence of dermatitis or other chronic skin conditions or if you are allergic to tea tree oil. STORE AT ROOM TEMPERATURE IN A DARK, DRY PLACE. DO NOT USE IF SAFETY SEAL IS BROKEN OR MISSING.

## Deficiency Symptoms:

N/A

## Drug Interactions/Contraindications:

Hypersensitivity to Tea Tree Oil.

## Toxicity/Adverse Reactions:

Contact dermatitis in susceptible individuals.



## Allergen Content/Ingredient Sensitivity:

NO	YES
Artificial Colors	
Artificial Flavors	
Artificial Sweeteners	
Corn Products	
Egg Products	
Fish	
Gluten	
Hydrolyzed Plant Protein	
Lecithin	
Milk Products	
Peanuts	
Preservatives	
Sesame Products	
Shellfish	
Soy Products	
Starch/Modified Starch	
Sulphites	
Tartrazine	
Tree Nuts	
Wheat Products	
Yeast	

**ACCEPTABLE FOR THE FOLLOWING DIETARY RESTRICTION:**

Free of animal products

**NOT ACCEPTABLE FOR THE FOLLOWING DIETARY RESTRICTION:**

Kosher





#### References:

1. Chevallier, Andrew. *The Encyclopedia of Medicinal Plants: a Practical Reference Guide to More Than 550 Key Medicinal Plants and Their Uses*. DK Publishing Inc. NY. 1996.
2. Carson CF, Cookson BD, Farrelly HD, Riley TV. Susceptibility of methicillin-resistant *Staphylococcus aureus* to the essential oil of *Melaleuca alternifolia*. *J Antimicrob Chemother* 1995 Mar;35(3):421-424
3. Chevallier, Andrew. *The Encyclopedia of Medicinal Plants: a Practical Reference Guide to More Than 550 Key Medicinal Plants and Their Uses*. DK Publishing Inc. NY. 1996
4. Leung, Albert Y and Steven Foster. *Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics*. Second Edition. John Wiley & Sons, Inc. 1996.

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