Foreverest Resources Ltd

Tea Tree Oil

Tea tree oil is extracted from the leaves of Melaleuca alternifolia. It appears colorless to light yellow liquid with a green and fresh camphor-like odor. Tea tree oil contains more than 98 compounds, of which 6 chemical types are different from those of plant oil. They include 4-terpineol, terpinolene and 1,8-cineole. Among them, the chemical type of 4-terpineol is the specification for commercial, and its main components can play an anti-inflammatory, disinfect and other medicinal effects. Tea tree oil is widely used in cosmetics and skin cleansing products. Its medicinal efficacy is especially suitable for officinal cosmetic ingredients. According to relevant research, tea tree oil has an obvious curative effect on skin problems such as dandruff, hemorrhoids and herpes.

1. Terpinen-4-ol is the major TTO component responsible for antimicrobial and anti-inflammatory properties
2. A second component 1,8-cineole, is likely responsible for most allergies in TTO products. Adverse reactions to TTO diminish with minimization of 1,8-cineole content.

In commercial production, TTO is prepared as a terpinen-4-ol chemotype.

TIP: FOREVEREST Tea tree oils are extracted from Melaleuca alternifolia while Cajeput oil is from Melaleuca Cajuputi or Melaleuca Leucadendra (var. cajuputi).

Substance Identification

Synonyms	Melaleuca Oil | TTO
CAS	N/A
EINECS	614-679-1
FEMA	N/A
HS.CODE	33012990
Molecular Formula	N/A
Moleclar Weight	N/A

Application & Uses

- 1. Occasionally used externally by herbalists. 2. used as an ingredient in skincare, health care, cosmetic and toiletry products 3. used as a composition of biological pesticide 4. used as a composition of Golf course's disinfectant 5. used as a natural cleaner, pharmaceuticals, veterinary and disinfectant in the household and cleaning product.

Features & Benefits

- Anti fungal, antiseptic, germicidal and anti-bacterial properties.
- The components is mostly monoterpenes, sesquiterpenes and terpene alcohols.
- The major component for antimicrobial and antifungal activity is terpinen-4-ol (typically 30-40%).

- Natural fungicides

Sales Specification

ITEM	VALUE
Appearance	Colorless to light yellow liquid
Odor	Green, Spicy, a fresh camphor smell
Refractive Index, @ n20/D	1.475 to 1.482
Relative Density, @ d20/4	0.865 to 0.884
Optical Rotation, @20°C, °	+1 to +15
Pine Oil, XBR, %	29 min
Terpinene-4-ol, XBR, %	30 min
1,8-cineole, XBR, %	5 max

Package

- Iron Drum (new), 180kg net each

GHS Hazard Statements

H-Code	H227/302/313
P-Code	P210/264/270/280
Response	P301+P312+P330 P312 P370+P378
Storage	P403+P235
Disposal	P501

S-phrases: S26;S36 | R-phrases: R22-36/37/38

Storage

- containers which are opened must be carefully resealed and kept upright to prevent leakage.
- keep container tightly closed in a dry and well-ventilated place.
- store in cool place.
- store under inert gas. Air sensitive

Relation Products

- Terpinen-4-ol
- Terpinen-4-ol
- 1,4-Cineole
- 1,4-Cineole
- 1,8-Cineole
- Cajeput Oil

Relation Articles

- Beverage Ingredient Glossary
- Bio-Based Feedstocks for Adhesives and Sealants: Everything Old is New Again
- Herbicidal composition and method
- Ingredients Focus: Naturals In Personal Care
- Pine Chemicals as an Engine for Economic Growth and Sustainability
- Terpinen-4-ol and alpha-terpineol (tea tree oil components) inhibit the production of IL-1beta, IL-6 and IL-10 on human macrophages
- Biological function and mechanism of plant extracts(2)
- R&D on Terpinen-4-ol
- Terpinen-4-ol is the Most Active Ingredient of Tea Tree Oil to Kill Demodex Mites
- Essential oils in preventing and controlling crop diseases
- TERPENE ESSENTIAL OILS: The research and development direction of anti-virus drugs is concerned
- What are the natural terpenes
- What are the natural terpenes (2)
- Why do scholars study the antiviral envelope activity of essential oil from its antibacterial

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Remark

Manage consent