

Tea Tree

Botanical name: *Melaleuca alternifolia*

The Paperbark Co. established the first successful commercial tea tree plantation in the south west of Western Australia from which it is producing its Tea Tree Oil. The Paperbark Co.'s Tea Tree Oil is harvested and distilled annually from *Melaleuca alternifolia*, a small tree of up to 8 metres, which is indigenous to northern New South Wales.

Long recognized for its healing properties, its use dates back to local aborigines, whose folklore has it, used the crushed leaves as a poultice for cuts and wounds. Antimicrobial properties of Tea Tree Oil were well recognised at the beginning of World War II. Servicemen fighting in the tropics were given Tea Tree Oil in their kits, prior to the discovery of the antibiotic "wonder" drugs. In the 1970's, with a resurgence of interest in natural medicines, the first plantation of tea trees was established in northern NSW. The oil is now used widely in Australia and numerous countries overseas.

Tea tree Oil is well recognised for its anti-bacterial and antifungal properties, due to its high level of terpinen-4-ol. The Paperbark Co. Tea Tree Oil exceeds Australian and International Standards for *Melaleuca alternifolia* oil. Terpinen-4-ol content is between 39 and 41% (ISO 4730 requires >30%), and 1,8-cineole is between 3 and 5% (ISO 4730 requires <15%).

Uniquely Australian, Tea Tree Oil is known to be a safe, natural and effective antimicrobial oil. It is widely used in the treatment of minor cuts and wounds, bites, stings, abrasions, pimples and acne; useful as a gargle for sore throats, an inhalant for nasal and sinus congestion, ulcers, cold sores, tinea, athlete's foot and warts ... and the list goes on!

| | |
|------------------------------|---|
| Aroma profile: | Warm, spicy odour with a medicinal scent |
| Key constituents: | Comprises hydrocarbon compounds typically containing 1,8 cineole, terpinen-4-ol, alpha pinene, alpha phellandrene, alpha terpinene, gamma terpinene, alpha terpineol and sesquiterpenes |
| Plant part: | Leaf and terminal branches |
| INCI name: | Tea Tree (<i>Melaleuca Alternifolia</i>) Leaf Oil |
| CAS number: | 68647-73-4 |
| Extraction process: | Steam distillation |
| MSDS: | Available upon request |
| Analysis Certificate: | Available upon request |

THE PAPERBARK CO

