



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
email: info@jeen.com , Website: www.jeen.com

TEA TREE OIL

(INCI: MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL)

IDENTIFICATION:

PRODUCT NAME: OIL OF MELALEUCA ALTERNIFOLIA
SYNONYMS: TEA TREE OIL, OIL OF MELALEUCA
ALTERNIFOLIA TERPINEN-4-01
CHEMICAL COMPOSITION: ESSENTIAL OIL TYPICALLY CONTAINING TERPINEN-4-01,1,8 CINEOLE,
ALPHA TERPINENE, GAMMA TERPINENE, ALPHA TERPINEOL, ALPHA
PINENE, TERPINOLENE, LIMONNE, ALPHA PHELLANDRENE.
CAS #: 68647-73-4
UN NUMBER: 1993

PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: LIQUID
COLOR: VISUALLY; COLORLESS TO PALE YELLOW
ODOR: TYPICALLY MYRISTIC
SPECIFIC GRAVITY: 0.885 TO 0.906
REFRACTIVE INDEX @ 20 DEG C: 1.475 TO 1.482
OPTICAL ROTATION @ 20 DEG C: +5 TO +15
SOLUBILITY: IN 85% V/V ETHANOL AT 20 DEG C THE MISCIBILITY SHOULD BE
THAT ONE VOLUME OF THE OIL SHALL REQUIRE NOT MORE
THAN TWO VOLUMES OF 85% ETHANOL TO GIVE A CLEAR
SOLUTION.

STANDARDS:

INTERNATIONAL STANDARD: ISO 4730
AUSTRALIAN STANDARD: AS2782

REGULATORY REFERENCE:

THE AUSTRALIAN THERAPEUTIC GOODS ADMINISTRATION. AUSTRALIAN APPROVED NAMES LIST (AAN) FOR
PHARMACEUTICAL SUBSTANCE; DECEMBER 1990 DEPARTMENT OF HEALTH AND SOCIAL SECURITY (DHSS) IN THE
UNITED KINGDOM MEDICINES LIST OF GENERAL SALES; (NO. 760, P.48)

PRESERVATIVE CHALLENGE TEST:

AT 0.8% V/V PASSES BOTH THE USP AND BP PRESERVATIVE CHALLENGE TEST.

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