



Product Specification

Product Name: EUCALYPTUS OIL TG

Alternate Name(s) Cineole, Eucalyptol, Cineol, Cajeputol

Description

Volatile, clear, mobile liquid; colourless to yellow or brown essential oil. Characteristic eucalyptol fresh camphoraceous odour.

Properties

Chemical Formula: $C_{10}H_{18}O$

Molecular Weight: 154.25

Product Code: ET025

CAS No.: 470-82-6

General Information:

Soluble in most organic solvents. Miscible with ether, ethanol, chloroform, glacial acetic acid, oils, fats and paraffins. Partially soluble in methanol. Slightly soluble in carbon tetrachloride.

Quality Specification

Assay: 80.0% min.

Specific Properties and Impurities [Typical levels]:

Refractive Index	1.458-1.470
Boiling Point	175 - 177°C
Flash Point	44 °C (CC); 48 °C (CC); 50 °
Solubility in Water	3.50 x 10 ³ mg/l @ 21 °C
Specific Gravity	0.909
Vapour Pressure	1.90 mm Hg @ 25 °C
Melting Point	1.5 °C
Relative Density	0.906-0.927
Vapour Density	5.32
Optical Rotation (at 20°C)	0°-+10°
Solubility in Alcohol	1ml in 5ml alcohol (70% v/v)
alpha-phellandrene	1.5%
alpha-pinene	0.05-10.0%
beta-pinene	1.5%
Limonene	0.05-15.0%
Camphor	0.1%

Hazard and Safety Data

UN Group:	II
Class:	3
UN Number:	1993
Hazchem code:	•3Y
CS MSDS Code:	1CHBP
Poison schedule:	S6
Emergency Procedure Guide No.:	14

Chem-Supply Pty Ltd - An ISO 9001:2008 Accredited Company

38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.