



## TECHNICAL DATA SHEET (TDS)

**Product Name:**

DOUGLAS FIR NEEDLE ESSENTIAL OIL

**Botanical Name:**

*Pseudotsuga menziesii*

**Batch Number:** DF2023001B

**CAS:** # 97926-19-7

**Flower Oil Part Used:** Needles or branches of *Pseudotsuga menziesii* tree

**Extraction Method:** Steam Distilled Essential Oil

**Quality** 100% Pure and Natural

**Note Classification:** Top to middle Note

### PROPERTIES SPECIFICATIONS

**Appearance:** Colorless to clear yellow liquid, odor bright, woody, light, earthy, fresh and characteristic

**Refractive Index:** 1.473 @ 20°C

**Specific Gravity (g/mL):** 0.869 @ 20°C

**Optical Rotation (°):** -17.53°

**Solubility** Soluble in alcohols and fixed oils; **Insoluble in water**



**vessel**  
essential oils

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Vessel Essential Oils provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.

Vessel Essential Oils  
Thessaloniki, Greece  
mob. 0030 6976 058820