

**TECHNICAL DATA SHEET**

Sr. No. : RM0100-V-02

Printed Date : 15/04/2015

Item Code : RM0100

Date : 17/06/2013

Item Name : TEA TREE OIL SOUTH AFRICA

Version : 02

<b>CAS #</b>	68647-73-4
<b>FEMA #</b>	3902
<b>EINECS #</b>	285-377-1
<b>Botanical Name</b>	Melaleuca alternifolia
<b>Product Description</b>	Clear colourless liquid having Light spicy camphoraceous, peppery odour.
<b>Origin</b>	Obtained by the steam distillation & fractionation from leaves of Melaleuca alternifolia

**PHYSICO-CHEMICAL PROPERTIES :**

<b>Appearance</b>	Colourless						
<b>Physical Status</b>	LIQUID						
<b>Flash Point (Closed cup) °C</b>	50°C						
<b>Refractive Index</b>	1.475-1.482 @20°C						
<b>Relative Density</b>	0.885-0.906 @20°C						
<b>Optical Rotation</b>	+5° to +15°						
<b>Solubility in Alcohol</b>	Soluble						
<b>Solubility in Water</b>	Insoluble						
<b>Main Components by GLC</b>	<table border="0"> <tr> <td>gamma-terpinene: 10 - 28%</td> <td>1,8-cineol: max 15%</td> </tr> <tr> <td>Terpinolene: 1.5 - 5%</td> <td>Terpinen-4-ol: min 30%</td> </tr> <tr> <td>alpha-Terpinene: 5 - 13%</td> <td></td> </tr> </table>	gamma-terpinene: 10 - 28%	1,8-cineol: max 15%	Terpinolene: 1.5 - 5%	Terpinen-4-ol: min 30%	alpha-Terpinene: 5 - 13%	
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**Shelf Life** 12 months under recommended storage conditions.

**Legislation** Natural

**Stability** Avoid strong acids strong bases and all oxidising agents

**Uses** Flavour/ Fragrance Application

**HANDLING PRECAUTION** Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing

**PACKING & STORAGE** Store at ambient temperature, dry and well-ventullated area, away from heat source and protected from light. Store in tightly sealed original containers, packed in Aluminium bottles, HDPE Food grade cans, MS Coated Drums or GI Drums. Keep air contact min

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