

**TECHNICAL DATA SHEET**

Sr. No. : RM0002-V-02

Printed Date : 04/11/2017

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Item Code	: RM0002	Date	: 17/06/2013
Item Name	: AUSTRALIAN TEA TREE OIL B.P.	Version	: 02

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CAS #	68647-73-4
FEMA #	3902
EINECS #	285-377-1
Botanical Name	Melaleuca alternifolia
Product Description	Clear colourless to pale yellow mobile liquid
Origin	Obtained by steam distillation from foliage and terminal branches of Melaleuca alternifolia.

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**PHYSICO-CHEMICAL PROPERTIES:**

Appearance	Colourless to Pale yellow	
Physical Status	LIQUID	
Flash Point (Closed cup) °C	59°C	
Refractive Index	1.475 - 1.482 @20°C	
Relative Density	0.885 - 0.906 @20°C	
Optical Rotation	+5° to +15°	
Solubility in Alcohol	Soluble	
Solubility in Water	Insoluble	
Main Components by GLC	1,8-cineol: max 15% Terpinolene: 1.5 - 5% gamma-terpinene: 10 - 28%	Terpinen-4-ol: min 30% alpha-Terpinene: 5 - 13%

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Shelf Life	12 months under proper storage conditions
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Legislation	Natural
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Stability	Avoid strong acids strong bases
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Uses	Food/Flavour, Fragrance Application
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HANDLING PRECAUTION	Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing
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PACKING & STORAGE	Should be stored in a cool, dry well ventilated places in fully tight sealed containers protected from light. Containers should be kept away from source of ignition.
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