

TECHNICAL DATA SHEET

Sr. No. : RM0059-V-02

Printed Date 09/08/2019

Item Code	:	RM0059	Date	:	13/06/2014
Item Name	:	TEA TREE OIL CHINESE	Version	:	02

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

PHYSICO-CHEMICAL PROPERTIES :

Appearance	Colourless to pale yellow
Physical Status	LIQUID
Flash Point (Closed cup) °C	56°C
Refractive Index	1.473 - 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	alpha Terpinene: 5 - 13% Terpinolene: 1 - 5% alpha Terpineol: 1.5 - 8% 1,8-Cineole: <15%
	gamma Terpinene: 10 - 28% Terpinen-4-ol: >30% alpha Pinene: 1 - 6% para Cymene: 0.5 - 12%

Shelf Life	12 months under recommended storage conditions.
Legislation	Natural
Stability	Avoid strong acids strong bases and all oxidising agents
Uses	Fragrance & Flavour Application

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	Store at ambient temperature, dry and well-ventillated area, away from heat source and protected from light. Store in tightly sealed original containers.
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