

TECHNICAL DATA SHEET

Sr. No. : RM0003-V-02

Printed Date 06/02/2017

Item Code	: RM0003	Date	: 01/08/2014
Item Name	: GINGER OIL CHINESE	Version	: 02

CAS #	8007-08-7
FEMA #	2522
EINECS #	283-634-2
Botanical Name	Zingiber officinale
Product Description	Pale yellow to amber liquid with aromatic characteristic odour of ginger
Origin	Obtained by steam distillation from root/rhizomes of Zingiber officinale

PHYSICO-CHEMICAL PROPERTIES :

Appearance	Pale yellow to amber liquid	
Physical Status	LIQUID	
Flash Point (Closed cup) °C	71°C	
Refractive Index	1.488 -1.494 @20°C	
Relative Density	0.869 - 0.882 @25°C	
Optical Rotation	-47° to -28°	
Solubility in Alcohol	Soluble	
Solubility in Water	Insoluble	
Main Components by GLC	Zingiberene: 28.5 - 38.5%	Bisabolene: 5 - 7.5%
	beta-sesquiphellendrene: 9 - 14.03%	AR-Curcumene: 4.5 - 12%
	alpha Farnesene: 2-9.1%	alpha Pinene: 1.2-2.7%
	Camphene: 4.5-8.4%	Limonene: 3-12%
	Borneol: 0.7-1.7%	

Shelf Life	12 months under recommended storage conditions.
Legislation	Natural
Stability	Avoid strong acids strong bases and all oxidising agents
Uses	Food/Flavour, Fragrance 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-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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