

TECHNICAL DATA SHEET

Sr. No. : RM0082-V-02

Printed Date 06/02/2017

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| Item Code | : RM0082 | Date | : 13/06/2013 |
| Item Name | : CITRONELLA OIL CHINESE | Version | : 02 |

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| CAS # | 8000-29-1 |
| FEMA # | 2308 |
| EINECS # | 289-753-6 |
| Botanical Name | Cymbopogon winterianus Jowitt |
| Product Description | Pale yellow or brown-yellow liquid with very strong odor of citronellal. |
| Origin | Obtained by steam distillation of fresh or partially dried aerial parts of Cymbopogon winterianus |

PHYSICO-CHEMICAL PROPERTIES :

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| Appearance | Pale yellow or brown-yellow | |
| Physical Status | LIQUID | |
| Flash Point (Closed cup) °C | >93°C | |
| Refractive Index | 1.463 - 1.463 @20°C | |
| Relative Density | 0.881 - 0.895 @25°C | |
| Optical Rotation | -4 to +1.5° | |
| Solubility in Alcohol | Soluble | |
| Solubility in Water | Insoluble | |
| Main Components by GLC | Citronellal: 30 - 45% | Citronellol: 9 - 15% |
| | Geranyl acetate: 3 - 8% | Geraniol: 20 - 25% |
| | Citronellyl acetate: 2 - 4% | limonene: 1 - 5% |
| | Neral: max. 2% | N/A |
| | Geraniol Acetate: 3-8% | |

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| Shelf Life | 12 months under proper 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.

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 light and source of ignition.

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