Ultra International B.V.
Essential Oils, Ingredients, F & F

# TECHNICAL DATA SHEET

**Sr. No. : RM0160-V-02** **Printed Date 28/08/2017**

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| **Item Code** | : | **RM0160** | **Date** | : | 17/06/2013 |
| **Item Name** | : | **GRAPEFRUIT OIL WHITE** | **Version** | : | 02 |

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| **CAS #** | 8016-20-4 |
| **FEMA #** | 2530 |
| **EINECS #** | 289-904-6 |
| **Botanical Name** | Citrus paradisi |
| **Product Description** | Yellow-red/orange coloured liquid having characteristic odour. |
| **Origin** | This essential oil is obtained by expression from the fresh peel of Citrus paradisi. |

**PHYSICO-CHEMICAL PROPERTIES :**

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| **Appearance** | Yellow-red/orange |
| **Physical Status** | LIQUID |
| **Flash Point (Closed cup) °C** | 51ºC |
| **Refractive Index** | 1.465-1.485 @20ºC |
| **Relative Density** | 0.840-0.860 @20ºC |
| **Optical Rotation** | 95º to 100º |
| **Solubility in Alcohol** | Soluble |
| **Solubility in Water** | Insoluble |
| **Main Components by GLC** | Limonene: 90-100%<br>Myrcene: 1.0-2.5%<br>alpha Pinene: <1.0%<br>Nootkatone: 0.01-0.10% |

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| **Shelf Life** | 12 months or longer under proper storage conditions. |
| **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** | 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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