

**TECHNICAL DATA SHEET**

Sr. No. : RM0220-V-02

Printed Date 30/08/2019

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| Item Code | : RM0220              | Date    | : 13/06/2013 |
| Item Name | : MANDARIN OIL YELLOW | Version | : 02         |

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| CAS #               | 8008-31-9   |
| FEMA #              | 2657  |
| EINECS #            | 284-521-0   |
| Botanical Name      | Citrus reticulata   |
| Product Description | Light green to dark green clear mobile liquid with characteristic odor. |

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| Origin | Obtained by expression without the aid of heat from the fresh fruit peel of Citrus reticulata. |
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**PHYSICO-CHEMICAL PROPERTIES :**

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| Appearance                  | Light green to dark green  |
| Physical Status             | LIQUID   |
| Flash Point (Closed cup) °C | 48°C   |
| Refractive Index            | 1.472-1.475 @20°C  |
| Relative Density            | 0.846-0.854 @20°C  |
| Optical Rotation            | 69° to 76°   |
| Solubility in Alcohol       | Soluble  |
| Solubility in Water         | Insoluble  |
| Main Components by GLC      | alpha Pinene: 1.6-2.7%                      beta Pinene: 1-2%<br>Myrcene: 1.4-2%                                n-Octanal: 0-0.14%<br>gamma Terpinene: 16-22%                      Limonene: 65-75%<br>Linalool: 0.05-0.2%                            Decanal: 0.04-0.14%<br>alpha Sinensal: 0.2-0.5%                      Methyl n-Methyl Anthranillate: 0.3-0.6% |

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| Shelf Life | 12 months under proper storage conditions |
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| Stability | Avoid strong acids strong bases and all oxidising agents. |
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| Uses | Fragrance & Flavour Application |
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| <b>HANDLING PRECAUTION</b> | Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing |
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| <b>PACKING &amp; STORAGE</b> | 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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