

# #1 Castor Oil

## Low Odor\*

### Liquid

#### PRODUCT DATA SHEET

| PARAMETERS                   | SPECIFICATION  | TEST METHODS   |
|------------------------------|--|----------------|
| Appearance @ 25°C            | Clear, FFFM**  | Visual         |
| Odor                         | Very Low   | Vendor         |
| Free Fatty Acid (Oleic), %   | 1.0 max  | AOCS Ca 5a-40  |
| Moisture & Volatile, %       | 0.25 (2,500 ppm) max   | AOCS Ca 2c-25  |
| Insoluble Impurities, %      | 0.02 maximum   | AOCS Ca 3-46   |
| Color, Lovibond 5.25''       | 20.0Y / 2.0R max.  | AOCS Cc 13e-92 |
| Hydroxyl Value               | 160 – 168  | AOCS Cd 13-60  |
| Viscosity @ 25°C Stokes      | 6.3 – 8.9  | AOCS Tq 1a-64  |
| Heavy Metals, %              | 0.001 max  | Current USP    |
| Arsenic (As), ppm            | 3 max  | Current USP    |
| Cadmium (Cd), ppm            | 3 max  | Current USP    |
| Lead (Pb), ppm               | 3 max  | Current USP    |
| Mercury (Hg), ppm            | 3 max  | Current USP    |
| Specific Gravity @ 25/25°C   | 0.9570-0.9610  | AOCS Cc 10a-25 |
| Ricinoleic Acid, %           | 85 min   | GC Analysis    |
| Solubility in alcohol @ 20°C | Complete without turbidity in two volumes of specially denatured alcohol formula 3A (95%). | ASTM D 960     |

\* **Filtered to 3 microns**

\*\* **FFFM – Free From Foreign Matter**

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- \* Vegetable-based, non-animal derived product
- \* 1-Year Shelf-Life from the date of manufacture kept at ambient temperatures unopened.
- \* No Genetically Modified Organisms (GMO's)
- \* Bovine Spongiform Encephalopathy/Transmissible Spongiform Encephalopathy (BSE/TSE) free
- \* No animal testing performed on/during any part of the product process
- \* Peanut, tree nut, wheat, grain, dairy, eggs, fish and gluten free
- \* No Residual Solvents
- \* Registered for REACH
- \* Refer to MSDS as a guideline for Safety, Handling and Storage information

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