# Lubricin® N-1
## Technical Data Sheet

**Product Identification**

A highly refined methyl ricinoleate for lubricating oils, motor fuels, upper cylinder lubricants, cutting oils and gear oils. It functions to reduce rusting, corrosion and wear of metal parts and exhibits detergent action on tar, varnish and carbon deposits.

**Physical Properties**

| Property | Value |
|---|---|
| **Acid Value** | 0.7 |
| **Boiling Point @ 1mm, ˚C** | 170 |
| **Color, Gardner** | 3 |
| **Composition** | Methyl Ricinoleate |
| **Density, lbs./gal, 25˚C** | 7.70 |
| **Fire Point, COC, ˚F** | 420 |
| **Flash Point, COC, ˚F** | 370 |
| **Form** | Clear liquid |
| **Hydroxyl Value** | 170 |
| **Iodine Value** | 85 |
| **Molecular Weight** | 310 |
| **Pour Point, ˚F** | -20 |
| **Refractive Index** | 1.4620 |
| **Saponification Value** | 178 |
| **Specific Gravity, 25˚C/25˚C** | 0.925 |
| **Viscosity, 25˚C, Stokes** | 0.3 |
| **Viscosity, SUS @ 100°F** | 97 Seconds |
| **Viscosity, SUS @ 210°F** | 37 Seconds |

**Applications**

- Upper cylinder lubricant as a highly effective detergent for the removal of carbon.
- As an oiliness agent in transmission oil and in the lubricant-gas mixture for two-cycle engines.
- Added to methanol in combination with nitro-methane in model plane fuels to minimize gum formation.
- In standard cutting oils to improve oiliness and adhesion to hot metal and to produce a brighter finish on the metal being worked.

For toxicity or regulatory information please consult the Material Safety Data Sheet.



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