

**Flexricin® 9**  
Technical Data Sheet



**Product Identification**

Flexricin® 9, propylene glycol mono-ricinoleate, is a clear, viscous liquid. It is a di-hydroxy ester that is effective as a wetting agent, dye solvent and wax plasticizer. It imparts high dye carrying efficiency and penetration in lipstick formulations.

**Physical Properties**

<b>Property</b>	<b>Value</b>
Acid Value	2
Color, Gardner	2
Density, lbs./gal, 25°C	7.99
Fire Point, COC, °F	505
Flash Point, COC, °F	430
Form	Clear viscous liquid
Hydroxyl Value	293
Iodine Value	76
Molecular Weight	354
Pour Point, °F	-15
Refractive Index	1.470
Saponification Value	160
Specific Gravity, 25°C/25°C	0.960
Viscosity, 25°C, Stokes	3
Volatile, %	0.1

**Applications**

- Grinding medium for pigment dispersions
- Excellent secondary plasticizer, lubricant and processing aid for vinyl resins. Recommended for low viscosity and non-exudation in PVC plastisols
- Excellent performance for lubricant formulations
- Excellent electrical resistance properties
- Chemical Intermediate

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

*Information contained in this technical data sheet is believed to be accurate. Vertellus Performance Materials Inc. assumes no liability and makes no warranty or representation that the information is correct or complete and EXPRESSLY DISCLAIMS ALL REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Final determination of suitability of any material and issues of patent infringement is the sole responsibility of the user who alone knows the conditions of intended use. Our customers should ensure that any product incorporating a Vertellus ingredient is safe for its intended use pursuant to applicable law and that any necessary disclosures to consumers have been made.*