

## Flexricin™ P-1 Technical Data Sheet

**Product Identification** Flexricin P-1, methyl ricinoleate, is a clear, bright, low viscosity liquid. It is a low-temperature plasticizer for rubber polymer in the production of low durometer stock. It functions as a lubricant-plasticizer for phenolic molding compounds and as a plasticizer for epoxy resin systems

<b>Physical Properties</b>	<b>Property</b>	<b>Typical Value</b>
	Composition	Methyl Ricinoleate
	Form	Clear thin liquid
	Molecular Weight	310
	Acid Value	5.0 maximum
	Color, Gardner	5 maximum
	Hydroxyl Value	170 minimum
	Saponification Value	178
	Iodine Value	85
	Refractive Index	1.4620
	Viscosity, 25°C, Stokes	0.3
	Specific Gravity, 25°C/25°C	0.922
	Density, lbs./gal, 25°C	7.70
	Boiling Point @ 1mm, °C	170
	Pour Point, °F	-20
	Fire Point, COC, °F	420
	Flash Point, COC, °F	370

### Applications

- Plasticizer for nitrocellulose lacquers
- Excellent secondary plasticizer, lubricant and processing aid for vinyl resins. Recommended for low viscosity and non-exudation in PVC plastisols
- Grinding medium for pigment dispersions

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

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