

**Castorwax®**  
Technical Data Sheet



**Product Identification**

Castorwax® is a wax like compound obtained by the controlled hydrogenation of pure castor oil. The principle constituent is glycerol tri-(12-hydroxystearate), also known as opalwax. Castorwax® is a hard, brittle, high melting point wax that is insoluble in most organic solvents but is highly compatible with most resins and waxes.

	<b>Property</b>	<b>Value</b>
<b>Physical Properties</b>	Acid Value	1
	Density, lbs./gal, 25°C	8.51
	Fire Point, COC, °F	635
	Flash Point, COC, °F	600
	Form	White flakes
	Hydroxyl Value	165
	Iodine Value	3
	Melt Point, °C	87
	Melt Viscosity, Poise @ 200°F	0.24
	Molecular Weight	934
	Refractive Index	1.4620
	Saponification Value	180
	Specific Gravity, 25°C/25°C	1.023
	Volume Resistivity @ 100°C	8.2 X 10 <sup>10</sup>
Dielectric Constant @ 1Kc@45°C	12.7	
Dielectric Constant @ 1Kc@100°C	3.77	

- Applications**
- Metal drawing lubricants
  - Processing aid for rubber and plastics
  - Cosmetics and toiletries
  - Antiperspirant sticks
  - Thixatropes
  - Tableting – controlled release binder

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

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Vertellus Performance Materials Inc., 2110 High Point Road, Greensboro, NC 27403 USA  
 USA Tel: 800-227-2436 USA Fax: 336-854-4058 USA Email: VPM-TechServices@vertellus.com  
 Web: [www.vertellus.com](http://www.vertellus.com)