

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.

Physical Properties

Property	Value
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 ¹⁰
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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