

**Castorwax® MP-80**  
Technical Data Sheet



**Product Identification**

Castorwax® MP-80 is a white to off-white wax like compound obtained by the controlled partial hydrogenation of pure castor oil. The principle constituent is glycerol tri-(12-hydroxystearate), also known as opalwax. Castorwax® MP-80 is a soft, lower melting point wax that is insoluble in most organic solvents but is highly compatible with most resins and waxes.

**Physical Properties**

<u>Property</u>	<u>Value</u>
Acid Value	2
Density, lbs./gal, 25° C	8.51
Form	White flakes
Hydroxyl Value	154
Iodine Value	29
Melt Point, °C	80
Melt Viscosity, Poise @ 200°F	0.24
Refractive Index	1.4620
Saponification Value	179
Specific Gravity, 25° C/25° C	1.023
Volume Resistivity @ 100°C	8.0 X 10 <sup>10</sup>
Dielectric Constant @ 1Kc@25°C	15.6
Dielectric Constant @ 1Kc@100°C	3.79
Dissipation Factor @ 1Kc@25°C	3.79

**Applications**

- Castorwax® MP-80 is recommended for all applications requiring a wax that is similar to regular Castorwax®, but with a lower melting point and greater flexibility.
- Antiperspirant and Eye Shadow sticks
- Lip Sticks and Lip Glosses
- Cosmetics and toiletries
- Wax blends
- Antiblocking and mold release agents for plastics and rubber

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

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