

Product Identification

Polycin D-140 is a 100% solids castor oil based derivative designed for use as a polyol or reactive diluent in polyurethane systems. Polycin D-140, with its low viscosity and secondary hydroxyl groups, will allow for the formulation of higher system solids with improved VOC reduction and longer potlife. Polycin D-140 will also impart improved properties such as good elongation, chemical resistance, weatherability, flow and application properties.

Physical Properties

Property	Value
Acid Value	1
Appearance	Pale yellow liquid
Color, Gardner	1+
Density, lbs./gal, 25°C	7.96
Equivalent Weight	400
Functionality	2
Hydroxyl Value	140
Moisture, %	0.02
Non-Volatile, %	100
Specific Gravity, 25°C/25°C	0.957
Viscosity, cP @ 25°C	650

Applications

- Formulation of 100% solids high performance polyurethane coatings
- Low VOC UV resistant industrial maintenance coatings
- Property improvements such as; flexibility, adhesion, moisture resistance, and chemical resistance in coatings, adhesives, sealants, and elastomeric formulations
- Low VOC force dry and bake topcoats and primers for plastics and metal
- VOC and viscosity reduction in coatings, adhesives and sealants
- Urethane Intermediates, Polymers

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

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