

Product Identification

Polycin D-290 is a 100% solids castor oil based derivative designed for use as a polyol or reactive diluent in polyurethane coating systems. Polycin D-290 with its very low viscosity, will allow for the formulation of higher system solids with improved VOC reduction. Polycin D-290, will also impart the beneficial properties of castor oil derivatives such as improved flow and levelling.

Physical Properties

Property	Value
Acid Value	1
Appearance	Pale yellow liquid
Color, Gardner	3 – 4, typical
Density, lbs./gal, 25° C	7.99
Equivalent Weight	193
Functionality	2
Hydroxyl Value	290
Moisture, %	0.02
Non-Volatile, %	100
Specific Gravity, 25° C/25° C	0.960
Viscosity, cP @ 25° C	280

Applications

- Formulation of 100% solids high performance polyurethane coatings
- Low VOC UV resistant 2-component industrial maintenance coatings and thermosetting OEM 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
- Low viscosity, solvent free pigment dispersions for urethane and melamine bake systems.

Reduced

- 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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