

**Polycin D-290**  
Technical Data Sheet



**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.

<b>Physical Properties</b>	<b>Property</b>	<b>Value</b>
	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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