

## Polycin™ 53

### Technical Data Sheet

#### Product Identification

Polycin 53 is a 100% solids, difunctional castor oil based derivative designed for use as a polyol or reactive diluent in polyurethane systems. It will impart flexibility and improved pigment wetting into many polyurethane systems. Polycin 53, as a reactive diluent, will allow for VOC reduction while imparting the beneficial properties of castor oil derivatives, such as improved flow and levelling.

#### Physical Properties

<u>Property</u>	<u>Typical Value</u>
Appearance	Clear yellow liquid
Equivalent Weight	208
Functionality	2
Acid Value	5 maximum
Viscosity, cP @ 25°C	380
Hydroxyl Value	260
Moisture, %	0.05 maximum
Specific Gravity, 25°C/25°C	0.965
Density, lbs./gal, 25°C	8.1
Non-Volatile, %	100

#### 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.
- VOC and viscosity reduction in coatings, adhesives and sealants
- Urethane Intermediates, Polymers

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

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