

## Solsperse™ 87000

100% Active Polymeric Dispersant

PERFORMANCE COATINGS

### PRODUCT DESCRIPTION

Solsperse™ 87000 is a 100% active polymeric dispersant, which will improve dispersion and stability in solvent-free and radiation-cure inks and coatings. It is also suitable for organic and inorganic pigment dispersion across a wide range of medium-polarity solvents. Solsperse 87000 is particularly effective on rubine toner pigments such as Pigment Red 57:1.

### FEATURES/BENEFITS

- Improved pigment wetting and dispersion
- Higher pigment loadings
- Excellent viscosity reduction and particle size stability
- Superior gloss / reduced haze
- Improved flow
- Improved rheology and rheology stability

### PHYSICAL CHARACTERISTICS\*

Appearance	Pale yellow to dark amber viscous liquid
Density, g/cm <sup>3</sup> @ 25 (°C)	1.02 (20 °C)
Flash Point	282 °C (Pensky-Marten Closed Cup)
Gardner Colour	10 Max
Pour Point	-10 °C
Boiling Point	>250 °C

\* Property values represent typical results only and are not to be considered specifications.

## TYPICAL APPLICATIONS

- UV Flexographic, UV Offset, UV Screen and UV digital inks
- Various UV Coating Applications, including wood
- Pigment dispersions in medium polarity solvents such as acetates and glycol ethers
- Pigment dispersions for high-solids and low- or zero-VOC systems

Solsperse 87000 should be dissolved in the millbase monomer/oligomer blend of milling solvent before the addition of pigments. Addition levels should be based on the surface area of the pigment/filler. The dosage level is typically 2.0 mg active dispersant per square meter of pigment surface area. This is simply the surface area divided by 5. A ladder series based around this theoretical dose is recommended to optimize performance.

For digital inks, the dosage level required could be considerably higher and dosages of 4-10 mg active dispersant on the weight of pigment should be considered. For 6 mg dosage, the surface area divided by 1.66 = % active dispersant on weight of pigment.

## SHELF LIFE/STORAGE

Solsperse 87000 is packed in 20 kg pails and 190 kg drums. Recommended retest date is every two years. Refer to SDS for other storage information.

## REGULATORY STATUS

Please see the product's current safety data sheet, SDS, for regulatory information. You can request an SDS at [www.lubrizol.com/coatings](http://www.lubrizol.com/coatings).

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The Lubrizol logo consists of the word "Lubrizol" in a bold, sans-serif font. A blue horizontal line is positioned below the letters "i", "r", and "z", extending from the left side of the "i" to the right side of the "z".

[www.lubrizol.com/coatings](http://www.lubrizol.com/coatings)