

▶ **Product Information**

HSD-50 is a 100% active pigmentary synergist agent to Copper Phthalocyanine Blue & Green, Violets & Carbon Black.

- Standard : Solsperse 5000



▶ **Properties**

• **Appearance** : Dullish Blue Powder

• **Density** : 0.83 ± 0.20

• **Melting Point (°C)** : >250

• **Moisture content** : 2% (approx)

▶ **Performance**

- It enhances gloss, transparency, strength in solvent based ink like NC, Polyamide, Toluene Gravure.
- Improved rheological properties in the application.
- Increased pigment concentration.
- Improved pigment stabilization
- Increased tinctorial properties
- Extensive performance in Polyamide Ink application for gloss & strength & other properties.
- Enhanced jetness, tinctorial value, higher pigment concentration & other properties for Carbon Black

▶ **Recommended Levels**

- **Phthalocyanine pigments (PB-15, PG-7, PG-36)** : 1~5 %
- **Violet pigment series (PV-19 & PV-23)** : 1~5 %
- **Carbon Black** : 1~5 %

▶ **Order of Addition**

- Add dispersant into the millbase
- Add HSD-50 under stirring
- Add pigments while stirring and disperse in the usual routine.

We recommend optimizing the usage of HSD-50 by trials with various %in combination with a high-molecular weight dispersing agent. Usually dispersant to synergist ratio should be 4:1. In case of PG-7 & PG-36, 8:1 ratio is recommended.

▶ **Base Applications**

- Automotive and Coil Coating & other Industrial Paint (solvent-based)
- Offset Inks
- Packaging Gravure Inks
- Publication Gravure Inks

Disclaimer:

The information given herein or otherwise supplied to users is based on our general findings. Because of the factors that are beyond our knowledge & control, which can affect the use of products, we accept no liability regarding the suitability, if used for any particular purpose.

The colors above have been generated electronically and should therefore not to be used for comparison purposes. The colors are meant to give a first impression of the colorant shade.