

▶ **Product Information**

HSD-12 is a 100% active pigmentary synergist agent to Copper Phthalocyanine Blue & Green Violets & Carbon Black.

- Standard : Solsperse 12000



▶ **Properties**

- **Appearance** : Dullish Blue Powder
- **Boiling Point (°C)** : >250
- **Density** : 1.0 ± 0.20
- **Moisture content** : 2% (approx)

▶ **Performance**

- Improved rheological properties in the application.
- Increased pigment concentration.
- Improved pigment stabilization
- Increased tinctorial properties

▶ **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-12 under stirring
- Add pigments while stirring and disperse in the usual routine.

▶ **Base Applications**

- Water-based inks
- Flexographic inks
- Water-based paints
- Few alcohol based solvent inks like NC

We recommend optimizing the usage of HSD-12 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.

Disclaimer:

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