

## NUOSPERSE® 2000

### Waterborne Wetting and Dispersion Agent

#### GENERAL INFORMATION

**NUOSPERSE 2000** is a liquid carrier / humectant for use in VOC-compliant colorants and pigment dispersions.

#### CHEMICAL & PHYSICAL PROPERTIES

Appearance 20°C	clear liquid / slightly hazy liquid
Active content	approx. 73 %
Solvent	Water
pH, 2% in water (ASTM D 1172)	8 - 10
Colour (DIN-EN 1557)	max. 5 Gardner

These are typical properties not to be used for specification purposes.

#### APPLICATIONS

- **NUOSPERSE 2000** is a unique liquid designed for use in aqueous colorants and pigment dispersions. It serves as a liquid carrier and humectant. Traditionally-formulated aqueous colorants typically contain organic co-solvents such as ethylene glycol or propylene glycol. This solvent primarily functions as a humectant reducing the tendency of the colorant to dry out during storage or application. In order to be able to formulate VOC-compliant colorants these organic solvents have to be replaced. Colorants made with **NUOSPERSE 2000** prove to show excellent dry-out resistance.
- Moreover, these colorants can be designed either for universal applications or specifically for use in aqueous coatings, depending on the requirements.
- **NUOSPERSE 2000** is based on a polymeric surface active ingredient, showing good water-resistance compared with traditionally used nonionic surfactants.

#### KEY PROPERTIES

FEATURE	CONSEQUENCE
• Free of organic solvents	- VOC-compliant
• Reduces caking of colorants	- improved dispersing properties
• Stabilizes pigment dispersions	- excellent storage stability
• Nonylphenol ethoxylate-free environmentally	- acceptable

#### INCORPORATION

As **NUOSPERSE 2000** shows excellent pigment wetting and stabilising properties, the level of other surfactants or additives – notably the nonionic dispersants, such as alkyl phenol ethoxylates or their replacements – may be reduced or completely avoided.

**NUOSPERSE 2000** is premixed with the water before addition of the pigment/extender.

#### LEVELS OF USE

As **NUOSPERSE 2000** is used at concentrations of 5 - 25 %, based on the total weight of the colorant.

#### HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

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## NUOSPERSE® 2000

### SHELF LIFE

**NUOSPERSE 2000** has a shelf life of 2 (two) years from date of manufacture.

### QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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