

## NUOSPERSE® 3200

### VOC-free humectant for aqueous pigment dispersions

#### GENERAL INFORMATION

**NUOSPERSE 3200** is a unique hydrophobic humectant for use in waterborne, VOC compliant colorants and pigment dispersions.

#### CHEMICAL & PHYSICAL PROPERTIES

Appearance	milky white liquid
Active matter	approx. 65 %
Solvent	water
pH	7 - 9
Density	approx. 1.03 g/cm <sup>3</sup>

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

#### APPLICATIONS

**NUOSPERSE 3200** is a unique liquid designed for use in aqueous colorants and pigment dispersions. It serves as a humectant.

**NUOSPERSE 3200** offers an environmentally friendly alternative to traditional organic co-solvents such as ethylene glycol or (poly) propylene glycol. These solvents primarily function as humectants. In order to be able to formulate NO-VOC colorants these organic solvents have to be replaced.

**NUOSPERSE 3200** prevents too rapid drying of pigment concentrates in production and tinting machines. It also stabilizes the viscosity of tinted paints and has negligible influence on the water resistance properties of paints.

**NUOSPERSE 3200** is primarily based on hydrophobic polymers emulsified in water.

#### KEY PROPERTIES

Feature	Consequence
<ul style="list-style-type: none"> <li>Free of organic solvents</li> </ul>	- NO-VOC
<ul style="list-style-type: none"> <li>Hydrophobic</li> </ul>	- excellent water- & scrub resistance - reduces water spotting
<ul style="list-style-type: none"> <li>Reduces caking of the colorants</li> </ul>	- pigment dispersions - suitable for tinting machines
<ul style="list-style-type: none"> <li>Stabilizes pigment dispersions</li> </ul>	- excellent storage stability
<ul style="list-style-type: none"> <li>APEO-free</li> </ul>	- environmentally friendlier

#### INCORPORATION

**NUOSPERSE 3200** is used at concentrations of -15%, based on the total weight of the colorant. 5

With hydrophilic pigments, **NUOSPERSE 3200** is typically added before the grinding stage. With hydrophobic pigments **NUOSPERSE 3200** is typically added after the grinding process.

#### 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.

#### STORAGE RECOMMENDATIONS

**NUOSPERSE 3200** should be stored above 4°C (40 °F) due to its water content.

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## NUOSPERSE® 3200

### SHELF LIFE

**NUOSPERSE 3200** 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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