

## NUOSPERSE® HIDE 1100

High Performance Hydrophobic Copolymer Pigment Dispersant

### GENERAL INFORMATION

NUOSPERSE® HIDE 1100 is an ammonium salt of a unique hydrophobic copolymer dispersant that optimizes the TiO<sub>2</sub> spacing to enable improved hiding power in water-based paints. It also improves properties as spread rate while keeping good water resistance, stain resistance and wet adhesion.

### CHEMICAL & PHYSICAL PROPERTIES

Composition	Polymeric hydrophobic copolymer
Appearance	Clear to slightly yellow, slightly hazy liquid
Active Content	22%
Density	1.1
Brookfield viscosity cps	<1.500
Solvent	Water
pH Value	8.5-9.0

### APPLICATIONS

- Decorative coatings
- Interior and Exterior Wall Paints
- Ultra low VOC paints

### KEY PROPERTIES

- Excellent color properties, improve opacity and tinting strength
- Optimizing dispersion and spacing of TiO<sub>2</sub> particles leads to optimized usage and cost effectiveness
- Balance between ionic and steric stabilization to prevent pigment flocculation during storage and film drying stage
- Excellent compatibility with all latex resins systems and NiSAT rheology modifiers
- Good water resistance, stain resistance and wet adhesion

## NUOSPERSER<sup>®</sup> HIDE 1100

### INCORPORATION

Incorporation should be done at grinding phase prior to the addition of any filler and pigment

### LEVELS OF USE

Typical use levels of **NUOSPERSER<sup>®</sup> HIDE 1100** are 0.3% to 1.0% (dispersant solids weight) on total system. The quantity of **NUOSPERSER<sup>®</sup> HIDE 1100** to be added depends on the pigment type and milling method. We suggest that you determine the maximum applicable quantity by means of lab trials.

A dispersant demand curve at laboratory should be performed to determine the lower possible viscosity scaling up to production should be added 0.05%.

### SHELF LIFE

**NUOSPERSER<sup>®</sup> HIDE 1100** has a shelf life of 2 (two) years from date of manufacture.

### STORAGE RECOMMENDATIONS

Should be kept above 4°C (40°F). In the event of accidental freezing, thaw gently, spread a portion between glass slides and examine for granules. If found, do not use.

### QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards

### HEALTH & 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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