

High Performance Hydrophobic Copolymer Pigment Dispersant

GENERAL INFORMATION

NUOSPERSE® FX 665 is an ammonium salt of a hydrophobic copolymer dispersant and provides improved water resistant properties to water based paints. Typically properties such as corrosion, water spot, and early blister resistance are enhanced. In addition improvement of wet adhesion is also typically achieved when this dispersant additive is utilized.

PHYSICAL PROPERTIES

Composition	hydrophobic copolymer
Color (Gardner)	≤1
Appearance	clear to slightly yellow / slightly hazy liquid
Active non-volatile content (% by weight)	21 - 22.5
Carrier Solvent	water
Specific Gravity	1.1
Viscosity (cps)	<1500
pH (ASTM D 1127)	8.5 - 9.0

APPLICATIONS

- Low VOC exterior decorative coatings
- Latex based industrial maintenance / protective coatings
- Low VOC interior decorative coatings
- Water base industrial coatings
- Waterborne inks

KEY PROPERTIES

- Outstanding water resistance properties
- Reduced foaming
- Excellent wet adhesion and early blister resistance
- Superior color properties
- High efficiency
- Corrosion resistance
- Excellent compatibility with all latex resins systems and NiSAT rheology modifiers
- Ease of use
- Storage stability

INCORPORATION

The quantity of NUOSPERSE® FX 665 to be added depends on the pigment type and the milling method. It is recommended to start by adding the NUOSPERSE® FX 665 to the water, and then incorporate the pigments and fillers.

LEVELS OF USE

Typical use levels of NUOSPERSE® FX 665 are 0.3% to 1.0% (dispersant solids weight) on total system. The quantity of NUOSPERSE® FX 665 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. It is recommended to start by mixing NUOSPERSE® FX 665 with the water and subsequently add the pigments and fillers. We suggest the dose is determined by a ladder study to monitor the influence of added quantity on viscosity.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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HANDLING AND SAFETY

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage.

MSDS can be found on the company website at www.elementis-specialties-asia.com.

STORAGE RECOMMENDATIONS

NUOSPERSE® FX 665 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.

SHELF LIFE

NUOSPERSE® FX 665 has a shelf life of 24 months 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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