

NUOSPERSE® FX 631

General Purpose Hydrophobic Copolymer Pigment Dispersant

GENERAL INFORMATION

NUOSPERSE FX 631 is sodium salt of a hydrophobic copolymer dispersant and can be used a general purpose dispersant in paint, ink, adhesives and other water based formulations.

NUOSPERSE FX 631 is a versatile pigment dispersant and has excellent compatibility and efficiency across wide array of latex resins. This general purpose dispersant offers many formulating benefits, such as improved dispersibility of inorganic pigments and good gloss maintenance. Coating and inks formulations based on this product exhibit excellent stability and great color properties.

CHEMICAL & PHYSICAL PROPERTIES

Composition	hydrophobic copolymer
Color (Gardner)	≤1
Appearance	clear, pale, yellow liquid
Active non-volatile content (% by weight)	24 - 26
Carrier Solvent	water
Specific Gravity	1.1
Viscosity (cps)	< 1500
pH (ASTM D 1127)	10.0 - 11.5

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

APPLICATIONS

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

KEY PROPERTIES

- Superior color properties
- High efficiency especially with inorganic pigments
- Excellent compatibility with all latex resins systems and NiSAT rheology modifiers
- Great results in semi-gloss and gloss paints
- Storage stability
- Ease of use

INCORPORATION

The quantity of **NUOSPERSE FX 631** to be added depends on the pigment type and the milling method. It is recommended to start by adding the **NUOSPERSE FX 631** to the water, and then incorporate the pigments and fillers.

LEVELS OF USE

Typical use levels of **NUOSPERSE FX 631** are 0.3% to 1.0% (active dispersant solids weight) on total pigment. The quantity of **NUOSPERSE FX 631** 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 631** 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.

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 FX 631 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.

NUOSPERSE[®] FX 631

SHELF LIFE

NUOSPERSE FX 631 has a shelf life of 2 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.

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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