

## Wetting Agent

### GENERAL INFORMATION

NUOSPERSE® FN 265 is phenol-free nonionic wetting agent and emulsifier.

### PHYSICAL PROPERTIES

Appearance : clear/slightly hazy liquid  
 Active matter : approx. 90%  
 pH, 1% solution in water  
 (ASTM D 1172): 5.0 – 7.0

Density, 20 °C  
 (DIN 53217/3) : approx. 1050 kg/m<sup>3</sup>  
 Viscosity, 20 °C  
 (DIN 53018) : approx. 300 mPa.s  
 Colour  
 (DIN-EN 1557) : max. 5 Gardner  
 Flash point  
 (ASTM D 92) : > 100 °C

### APPLICATION AND PROPERTIES

NUOSPERSE® FN 265 is an unique nonionic wetting agent and emulsifier designed to replace the traditionally used alkyl phenol ethoxylates.

Alkyl phenol ethoxylates (APEs) are widely used in the paint industry as pigment wetting agents, emulsifiers and stabilisers.

Questions have been raised regarding the aquatic toxicity of APEs. The environmental classification of APEs is currently in review. Potentially, this could be lead to adverse classification and labelling of APEs as well as APEs containing products.

NUOSPERSE® FN 265 can be used as a new replacement for the most widely used APE in paints, namely nonyl phenol ethoxylate NP-10E.

NUOSPERSE® FN 265 is an excellent candidate to substitute NP-10E in paints, pigment dispersions and most emulsions and dispersions.

Based on our findings NUOSPERSE® FN 265 shows similar pigment wetting and stabilising properties as being obtained with NP-10E.

NUOSPERSE® FN 265 only contains water as the volatile component and therefor may be classified as a NO-VOC compound.

Feature	Consequence
• Nonylphenol-free	- environmental safe
• Amphiphilic structure	- consistent paint quantity - emulsifying properties - working as a pigment wetting agent - avoids flocculation
• Destabilises	- reduces required amount of defoamer

### DOSAGE

It is recommended to start the investigation to replace NP-10E on a one to one bases with NUOSPERSE® FN 265 (as supplied).

However, as it is recommended check the optimum dosage, compatibility and performance in each case individually.

### HANDLING AND SAFETY

More detailed information on handling and safety for each product is included in the relevant material safety data sheet, available for each product.

### QUALITY ASSURANCE

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

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The information in this publication is intended to serve as guide but is not necessarily complete and is given without warranty. We recommend all users to determine the suitability of our products for their intended uses and caution them to comply with statutory obligations and to avoid infringing rights of third parties. We encourage users to contact us to discuss problems involving our products in order to facilitate their use.

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