

NUOSPERSE® FN 260

Wetting Agent

GENERAL INFORMATION

NUOSPERSE FN 260 is a unique, labelling-free nonionic wetting agent and emulsifier.

CHEMICAL & PHYSICAL PROPERTIES

Appearance 40 °C	clear liquid
Active content	approx. 100 %
pH, 1% solution in water (ASTM D 1172)	5.0 - 7.0
Density, 20 °C (ISO 2811-2)	approx. 1050 kg/m ³
Viscosity, 20 °C (ASTM D 2196)	approx. 500 mPa.s
Colour (DIN-EN 1557)	0 - 10 Gardner
Flash point (ASTM D 92)	> 100 °C

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

APPLICATIONS

- **NUOSPERSE FN 260** is a unique nonionic wetting agent and emulsifier designed to replace 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 safety of APEs is in doubt. Potentially, this could lead to adverse classification and labelling of APEs as well as APE- containing products.
- **NUOSPERSE FN 260** can be used as an effective replacement for the most widely used APE in paints and colorants namely nonyl phenol ethoxylate, NP-10EO.
- **NUOSPERSE FN 260** is an excellent candidate to substitute NP-10E in paints, colorants, pigment dispersions and most emulsions and dispersions.
- Based on our findings **NUOSPERSE FN 260** shows similar pigment wetting and stabilising properties to NP-10EO.
- In addition, unlike several other proposed APE-replacements, **NUOSPERSE FN 260** is labelling-free in the EU.

KEY PROPERTIES

Feature	Consequence
• Nonylphenol-free	- replacement for APE
• Amphiphilic structure	- excellent pigment wetting properties - emulsifying properties - avoids flocculation
• Destabilises foam	- reduced defoamer demand.

INCORPORATION

Add prior to the pigment addition and subsequent dispersion.

LEVELS OF USE

It is recommended to start the investigation to replace NP-10E at a one to one substitution with **NUOSPERSE FN 260** (as supplied). However, a ladder test will allow the user to determine the optimum dosage, compatibility and performance in each case individually.

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

Avoid excessive heat, open flame. Protect from frost.

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NUOSPERSE[®] FN 260

SHELF LIFE

NUOSPERSE FN 260 has a shelf life of 3 (three) 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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V01 Aug. 2018

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