ELEMENTIS
A global specialty chemicals company

Enhanced Performance Through Applied Innovation

NUOSPERSE® FN 270

Pigment dispersing and wetting agent for low VOC waterborne coatings

GENERAL INFORMATION

NUOSPERSE FN 270 is an alkylphenol ethoxide-free and labelling-free, universal nonionic pigment wetting and dispersing agent. It is an effective replacement for nonylphenol-10eo.

CHEMICAL & PHYSICAL PROPERTIES

Appearance 20°C	Clear light yellow liquid
Active content	100%
Odour	Nearly odourless
VOC EPA Method 24	0*
VOC ASTM D6886-03	None detected
Specific gravity	1.003
Viscosity @ 25°C (ASTM D2196)	< 100 mPas
Colour (DIN-EN 1557)	< 3 Gardner
HLB value	approx. 12.5

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

APPLICATIONS

Decorative and industrial emulsion paints with a wide variety of binder chemistries

KEY PROPERTIES

- Universal and efficient pigment wetting and dispersing properties
- Very low foam generation
- Freeze-thaw stable: remains liquid at 0°C
- Improves paint storage stability
- Improves colorant acceptance and increases tinting strength
- APEO-free and labelling-free
- Low VOC

INCORPORATION

The optimum dosage, compatibility and performance of **NUOSPERSE FN 270** should be checked in each case individually. However, it is recommended to start by replacing nonylphenol-10eo on a one-to-one basis (as supplied).

LEVELS OF USE

Typically, 0.1 to 0.5% would be used in coating formulations whereas 3 to 12% would be required as a vehicle for a pigment concentrates.

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

Keep containers tightly closed in a cool, well-ventilated room. It is recommended to store **NUOSPERSE FN 270** at temperatures above 0°C. **NUOSPERSE FN 270** might solidify at temperatures below -10°C. If this occurs, **NUOSPERSE FN 270** can be returned to a clear, fully active liquid again simply by storing at room temperature.

SHELF LIFE

NUOSPERSE FN 270 has a shelf life of 3 (three) years from date of manufacture.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality 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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North America
Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe
Elementis Portugal Lda.,
Rua Santos Pousada, no.262,
4000-478, Porto
Portugal
Tel: +351 221 215 791

Asia
Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563