

Dispex[®] Ultra FA 4425 ET

Product description

Dispersing agent

Dispex[®] Ultra FA 4425 ET stabilizes all kinds of pigments in water- and solvent-based systems, especially in decorative coatings. In addition it makes the polar ingredients of universal colorants which are used in non-polar solvent-based paints more compatible. This results in:

Key benefits

- Maximum color development of the colorant
- Higher pigment loading
- Optimum color acceptance of the colorants in the base-paints

Chemical nature

Fatty-acid-modified polyester

Properties

Physical form

Brownish liquid

Technical data

(not supply specification)

Active ingredients	100 %
Density at 20 °C (68 °F)	~ 1.04 g/cm ³
Acid value	~ 46 mg KOH/g
Amine value, potentiometric	~ 47 mg KOH/g
Gardner color number	≤ 18

Application

Dispex® Ultra FA 4425 ET is used as a dispersing and wetting agent and is suitable for the formulation of VOC-free systems, particularly universal colorants. Added to the (solvent- or water-based) base paint, Dispex® Ultra FA 4425 ET increases compatibility and color acceptance, especially in water-based decorative paints and systems with ultra-low aromatics content.

Recommended concentrations

Calculation method for the required amount of active ingredient:

Universal colorants, inorganic pigments	5.0 – 10.0 % on pigment weight
Universal colorants, organic pigments	10.0 – 20.0 % on pigment weight
Base paints	0.5 – 1.5 % on total base paint

Dispex® Ultra FA 4425 ET can be incorporated into the mill base or used as a post additive. For lowest viscosity, Dispex® Ultra FA 4425 ET should be neutralized to a pH of 8.0 – 8.5 before being added to the mill base.

Storage

Dispex® Ultra FA 4425 ET should be stored in a cool and dry place.

Protect from temperatures below 10°C.

Contacts worldwide

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Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra FA 4425 ET.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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