

Dispex[®] Ultra FA 4416

general

- Dispex[®] Ultra FA 4416 is an outstanding wetting and dispersing agent for aqueous coatings.
- high gloss
- excellent color strength
- excellent rub-out properties

chemical nature

mixture of ionic and non-ionic surfactants, free of APEO

Properties

physical form

yellow, viscous liquid

storage

Dispex[®] Ultra FA 4416 is freeze-thaw stable it should be stored at temperatures above 5 °C (41°F) to allow easy handling.

typical properties (no supply specification)

density at 20 °C (68°F)	~ 1.05 g/cm ³
pH	~ 7
viscosity 23 °C (73°F)	~ 850 mPa·s

Application

Dispex[®] Ultra FA 4416 is an outstanding wetting and dispersing agent for aqueous top coats based on various binder types e.g. polyester solutions, polyacrylics, PUR-emulsions. With its excellent wetting properties, Dispex[®] Ultra FA 4416 when used with inorganic and organic pigments, produces a high gloss and good color development in low and cosolvent free systems. Dispex[®] Ultra FA 4416 prevents rub-out effects by using critical pigment combinations, e.g. Titaniumdioxide/phthaloblue. Dispex[®] Ultra FA 4416 is suitable for air and oven drying coatings as well as baking coatings. Since Dispex[®] Ultra FA 4416 has no effect on pot-life it is also recommended for aqueous 2 pack PUR coatings. Dispex[®] Ultra FA 4416 allows furthermore the formulation of economical inorganic slurries and pigment concentrates for emulsion paints and consumer coatings. Here it combines the advantages of a low paste-viscosity with anti-settling characteristics and excellent compatibility to all types of aqueous base-paints.

recommended concentrations

The typical dosage of Dispex[®] Ultra FA 4416 is between 0.2 - 1.0% and is added to the mill base. Due to its low water solubility, Dispex[®] Ultra FA 4416 should be slowly added to the mill base.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex Ultra FA 4416.

Safety

When handling these products, 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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