

Dispex[®] Ultra FA 4404

General

- Dispex[®] Ultra FA 4404 is a partially neutralized chelating agent suitable for use in the manufacture of pigment suspensions, emulsion paints, slurries, etc.
- Dispex[®] Ultra FA 4404 combines the properties of a chelating agent and polyphosphate with those of an organic dispersant thus yielding highly concentrated, stable and low-viscosity inorganic pigment suspensions, e. g. TiO₂-slurries.

Chemical nature Aqueous solution of phosphonate salt

Properties

Physical form Clear, light-yellow liquid

Technical data (not supply specification)	Dry residue	BASF method	48.0 – 52.0 %
	pH value	BASF method (20 °C, 10 % (m))	5.5 – 6.5
	Density	DIN 51757 (20 °C)	1.24 – 1.27 g/cm ³

Application

Dispex® Ultra FA 4404 can be combined with Dispex® Ultra FA 4480 to achieve stable inorganic pigment pastes.

Furthermore, this combination is suitable for the dispersing of inorganic and organic pigment mixtures in conformance with the slurry preparations.

Dispex® Ultra FA 4404 can reduce the pot-life in aqueous 2 pack PUR coatings.

Recommended concentrations

Dispex® Ultra FA 4404 should be incorporated into the water prior to charge with pigments 0.2 - 0.5%, calculated on the pigment concentration. The optimum dosage should be determined by appropriate tests.

Storage

Although Dispex® Ultra FA 4404 is freeze-thaw stable it should be stored at temperatures above 5 °C to allow easy handling.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra FA 4404.

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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