

Dispex[®] Ultra FA 4484

General

Dispersing agent

Dispex[®] Ultra FA 4484 is a universal dispersant for inorganic pigments for both water- and solvent-based paint systems; especially developed for label-free colorants.

- Excellent compatibility with various base paints
- Best suited for aqueous slurries and pigment concentrates

Chemical nature

Aqueous solution of a phosphoric acid ester, sodium salt

Properties

Physical form

Clear viscous liquid

Technical data

(not supply specification)

Solid content	8097	25.0 – 27.0 %
pH value	DIN EN 1262 (20 °C, 100 %(m), water)	6.0 – 7.0
Viscosity, dynamic	DIN EN ISO 2555 (20 °C)	200 – 4,000 mPa.s
Color number	Gardner DIN EN ISO 4630	< 20

Application

Dispex® Ultra FA 4484 is recommended as dispersing and wetting agent for the formulation of VOC-free systems, particularly universal colorants. It has specifically been designed to be used in label-free colorants and paints which have to comply with eco-label standards.

Dispex® Ultra FA 4484 is an excellent dispersing agent for inorganic pigments like iron oxide, titanium dioxide, calcium sulfate (gypsum), etc.

For the formulation of universal colorants, it is recommended to combine it with non-ionic dispersing agents, e.g. Dispex® Ultra FA 4488 or Dispex® Ultra PX 4522.

Recommended concentrations

Calculation method for the required amount of active ingredient:

■ titanium dioxide	2 – 5 % active on pigment
■ gypsum slurries	2 – 3 % active on pigment
■ transparent iron oxide	15 – 25 % active on pigment

To achieve best results, Dispex® Ultra FA 4484 should be added to the mill base and ground using effective dispersing equipment, e.g. pearl-mill.

Storage

Dispex® Ultra FA 4484 is freeze-thaw stable it should be stored at temperatures above 5 °C to allow easy handling.

Contacts worldwide

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Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra FA 4484.

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.