

Dispex Ultra[®] FA 4483

general

- Dispex[®] Ultra FA 4483 is an excellent dispersing agent for inorganic pigments

chemical nature

phosphoric acid ester based wetting and dispersing agent. The product is supplied as a 30 % aqueous solution in acidic form.

Properties

physical form

clear viscous liquid

shelf life

Dispex[®] Ultra FA 4483 is freeze-thaw stable it should be stored at temperatures above 5 °C (41°F) to allow easy handling.

typical properties (no supply specification)

solids	~ 30%
viscosity 23 °C (73°F)	~ 1700 mPa · s
pH value (10%)	~ 2
acid number [mg KOH/ g]	~ 25
Color number (Gardner)	~ 1

Application

Dispex[®] Ultra FA 4483 is an excellent dispersing agent for inorganic pigments like iron oxide, titanium dioxide, calcium sulfate (gypsum), etc.

It is recommended for the following applications:

- inorganic pigment concentrates and slurries
- in combination with non-ionic dispersing agents, e.g. Dispex[®] Ultra FA 4480 for universal pigment pastes(also suitable for solvent based coatings.
- aqueous physically drying as well as stoving enamels

To achieve the best results Dispex[®] Ultra FA 4483 should be added to the mill base and ground using effective dispersing equipment, e.g. pearl-mill.

recommended concentrations

typical dosages are:

pigment Additive	active on pigment
• titanium dioxide	2 - 5%
• plaster	2 - 3%
• transparent iron oxide	15 - 25%

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Validity

This Technical Data Sheet is valid for all versions of the Dispex Ultra FA 4483.

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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