

Dispex[®] Ultra PA 4530

general

Dispex[®] Ultra PA 4530 is a high-molecular-weight dispersing agent. It stabilizes the pigment dispersion of difficult inorganic and organic pigments and improves the following properties:

- gloss
- color strength
- flocculation stability
- anti-flooding behavior
- excellent water resistance
- wide-spread compatibility in both solvent- and water-based systems

chemical nature

modified polyacrylate

Properties

physical form

clear, slightly yellowish liquid

storage

Dispex[®] Ultra PA 4530 should be stored in a cool dry place.

typical properties (no supply specification)

solvent	methoxypropanol
density at 20 °C (68 °F)	~ 0.99 g/cm ³
active ingredients	~ 50 %
flash point	32 °C (90°F)
acid value	~ 35 mg KOH/g
amine value	~ 26 mg KOH/g
color	≤ 4

Application

Dispex[®] Ultra PA 4530 is a film-forming polymer with excellent water resistance and wide-spread compatibility in both solvent- and water based systems. It is recommended for use in all kinds of solvent and water-based coatings as well as in resin-minimal pigment concentrates.

Before being added to the mill base, Dispex[®] Ultra PA 4530 should be neutralized up to pH 8.5–9.0. Complete water solubility will be obtained by, e.g., the addition of 8.5 % AMP-90TM1.

recommended concentrations

Calculation method for the required amount of active ingredient on pigment:

inorganic pigments	10 % of oil absorption value
organic pigments	25–50 % of BET value
carbon blacks	20 % of DBP absorption value

Dispex[®] Ultra PA 4530 should be incorporated in the mill base before adding the pigments.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex Ultra PA 4530.;

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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