

Dispex[®] Ultra PA 4510

(old : Efka[®] 4510)



The Chemical Company

general high-molecular-weight dispersing agent

Dispex[®] Ultra PA 4510 is a dispersant for both inorganic and organic pigments. It should be neutralized for use in aqueous coatings. Complete water solubility will be obtained by adding, e.g., 2.5 % of dimethylethanolamine, which is equivalent to 75 % neutralization of Dispex[®] Ultra PA 4510.

chemical nature modified polyacrylate

Properties

physical form clear, slightly yellowish liquid

shelf life Dispex[®] Ultra PA 4510 should be stored in a cool and dry place. When kept in original unopened containers, it can be stored for up to 4 years from the date of manufacture.

**typical properties
(no supply specification)**

solvent	2-butanol
density at 20 °C (68 °F)	~ 0.91 g/cm ³
active ingredients	~ 50 %
flash point	24 °C (75°F)
acid value	~ 45 mg KOH/g
amine value	~ 20 mg KOH/g
color	≤ 3

Application

Dispex[®] Ultra PA 4510 is recommended for use in all kinds of high-quality water-based industrial and solvent-based coatings.

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 4510 should be incorporated in the mill base before adding the pigments.

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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