

Dispex[®] Ultra PA 4510

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 dimethyl-ethanolamine, which is equivalent to 75 % neutralization of Dispex[®] Ultra PA 4510.

Chemical nature

Modified polyacrylate

Properties

Physical form

Clear yellowish liquid

Technical data

(not supply specification)

Solid content	(1h at 120 °C)	49.0 – 51.0 %
Amine value	(20 °C)	40.0 – 50.0 mg KOH/g
Acid value	(20 °C)	16.0 – 23.0 mg KOH/g
Color value	(Gardner) (20 °C)	≤ 4
Density	(20 °C)	0.900 – 0.920 g/m ³
Solvent		2-butanol
Flash point		24 °C

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 black	20 % of DBP absorption value

Dispex® Ultra PA 4510 should be incorporated in the mill base before adding the pigments.

Storage

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.

Contacts worldwide

Asia
BASF East Asia Regional Headquarters Limited
36/F, Two Taikoo Place,
Taikoo Place,
979 King's Road,
Quarry Bay, Hong Kong
formulation-additives-asia@basf.com

Europe
BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
formulation-additives-europe@basf.com

North America
BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

South America
BASF S.A
Rochaverá - Crystal Tower
Av. das Nações Unidas, 14.171
Morumbi - São Paulo-SP
Brazil
formulation-additives-south-america@basf.com

Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra PA 4510.

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.

® = Registered trademark
™ = Trademark of the BASF Group, unless otherwise noted

www.basf.com/formulation-additives