

# Dispex<sup>®</sup> Ultra PA 4570

## General

high-molecular-weight dispersing agent

Dispex<sup>®</sup> Ultra PA 4570 stabilizes the pigment dispersion of inorganic, organic and carbon black pigments and improves the following properties:

- Gloss
- Color strength
- Flocculation stability
- Anti-flooding behavior
- Color development in water- and solvent-based systems

Dispex<sup>®</sup> Ultra PA 4570 widely compatible in both water- and solvent based coatings and can be used in a wide range of pH values in aqueous applications.

## Chemical nature

Modified polyacrylate

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## Properties

### Physical form

Clear yellow to light red liquid

### Technical data

(not supply specification)

Solid conten	BASF method (1h at 120 °C)	59.0 – 61.0 %
Density	(20 °C)	1.01 – 1.03 g/m <sup>3</sup>
Refractive index	(20 °C)	1.445 – 1.465
Amine value	(20 °C)	40.0 – 44.0 mg KOH/g
Color value (Gardner)	(20 °C)	≤ 8

Application

Dispex® Ultra PA 4570 can be used as a dispersant for resin-free pigment concentrates (RFPC) and/or resin-minimal pigment concentrates (RMPC) in both water and solvents. These universal concentrates can be used for water- or solvent-based applications.

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 % on DBP absorption value

Dispex® Ultra PA 4570 should be incorporated in the mill base before adding the pigments.

Storage

Dispex® Ultra PA 4570 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](mailto:formulation-additives-asia@basf.com)

North America  
BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

Europe  
BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@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](mailto:formulation-additives-south-america@basf.com)

Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra PA 4570.

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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