

# Dispex<sup>®</sup> Ultra FA 4404

## general

- Dispex<sup>®</sup> Ultra FA 4404 is a partially neutralized chelating agent suitable for use in the manufacture of pigment suspensions, emulsion paints, slurries, etc.
- combines the properties of a chelating agent and polyphosphate with those of an organic dispersant thus yielding highly concentrated, stable and low-viscosity inorganic pigment suspensions, e. g. TiO<sub>2</sub>-slurries.

## chemical nature

aqueous solution of phosphonate salt

## Properties

### physical form

clear, light-yellow liquid

### storage

although Dispex<sup>®</sup> Ultra FA 4404 is freeze-thaw stable it should be stored at temperatures above 5 °C (41°F) to allow easy handling.

### typical properties (no supply specification)

density at 20 °C (68°F)	~ 1.25 g/cm <sup>3</sup>
solid content	~ 50%
pH-value (10%)	~ 6

## Application

Dispex<sup>®</sup> Ultra FA 4404 can be combined with Dispex<sup>®</sup> Ultra FA 4480 to achieve stable inorganic pigment pastes. Furthermore this combination is suitable for the dispersing of inorganic and organic pigment mixtures in conformance with the slurry preparations. Dispex<sup>®</sup> Ultra FA 4404 can reduce the pot-life in aqueous 2 pack PUR coatings.

### recommended concentrations

Dispex<sup>®</sup> Ultra FA 4404 should be incorporated into the water prior to charge with pigments 0.2 - 0.5%, calculated on the pigment concentration. The optimum dosage should be determined by appropriate tests.

## Contacts worldwide

## Asia

BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

## Europe

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

## 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 FA 4404.

**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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