

# Dispex<sup>®</sup> Ultra FA 4484

## general

dispersing agent

Dispex<sup>®</sup> Ultra FA 4484 is a universal dispersant for inorganic pigments for both water- and solvent-based paint systems; especially developed for label-free colorants.

- excellent compatibility with various base paints
- best suited for aqueous slurries and pigment concentrates

## chemical nature

aqueous solution of a phosphoric acid ester, sodium salt

## Properties

### physical form

clear viscous liquid

### shelf life

Dispex<sup>®</sup> Ultra FA 4484 is freeze-thaw stable it should be stored at temperatures above 5 °C (41°F) to allow easy handling.

### typical properties (no supply specification)

solids	~ 26%
viscosity 23 °C (73°F)	~ 2900 mPa·s
pH value (10%)	~ 6.5
color number (Gardner)	~ 1

## Application

Dispex<sup>®</sup> Ultra FA 4484 is recommended as dispersing and wetting agent for the formulation of VOC-free systems, particularly universal colorants. It has specifically been designed to be used in label-free colorants and paints which have to comply with eco-label standards.

Dispex<sup>®</sup> Ultra FA 4484 is an excellent dispersing agent for inorganic pigments like iron oxide, titanium dioxide, calcium sulfate (gypsum), etc. For the formulation of universal colorants it is recommended to combine it with non-ionic dispersing agents, e.g. Dispex<sup>®</sup> Ultra FA 4488 or Dispex<sup>®</sup> Ultra PX 4522.

## recommended concentrations

Calculation method for the required amount of active ingredient:

- |                          |                            |
|--------------------------|----------------------------|
| • titanium dioxide       | 2 - 5% active on pigment   |
| • gypsum slurries        | 2 - 3% active on pigment   |
| • transparent iron oxide | 15 - 25% active on pigment |

To achieve best results, Dispex<sup>®</sup> Ultra FA 4484 should be added to the mill base and ground using effective dispersing equipment, e.g. pearl-mill.

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**Validity**

This Technical Data Sheet is valid for all versions of the Dispex® Ultra PX 4484.

**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**

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