

Dispex[®] Ultra FA 4488

General

Dispersing agent

Dispex[®] Ultra FA 4488 is a universal dispersant for all kinds of pigments for both water- and solvent-based paint systems; especially developed for label-free colorants.

Key benefits

It offers the following benefits:

- Fine and stable dispersion of pigments and fillers
- Development and stabilization of color shade
- Easy adjustment of color shade
- Eliminates haze, flooding & floating
- Boosting efficiency of emulsifiers in pre-dispersed systems

Chemical nature

Alkylpolyalkoxylate, non ionic

Properties

Physical form

Amber liquid

Technical data

(not supply specification)

Solid content		~ 99.5 %
pH value	DIN EN 1262	5.5 – 6.5
Water content	(Karl Fischer) DIN EN 13267	0.00 – 0.50 %
Acid value	DIN ISO 4314	10.0 – 15.0 mg KOH/g
Saponification value		90.0 – 100.0 mg KOH/g
Pour point	DIN ISO 3016	10.0 – 15.0 °C
Refractive index	DIN 51423 (20 °C)	1.466 – 1.470
Color value (Gardener)	DIN ISO 4630	< 4

Application

Dispex® Ultra FA 4488 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® Ultra FA 4488 proved particularly effective in systems formulated with difficult-to-use pre-dispersed pigments (e.g., some phthalocyanine blue or green shades).

If used in universal colorants compatibility with solvent-based alkyd systems is significantly improved.

Recommended concentrations

Calculation method for the required amount of active ingredient:

Inorganic pigments	1 – 5 % active on pigment
Organic pigments	20 – 30 % active on pigment
Carbon black	30 – 60 % active on pigment

Dispex® Ultra FA 4488 can be incorporated into the mill base or used as a post additive.

Storage

Due to the high viscosity of Dispex® Ultra FA 4488, it is easier to handle when stored at room temperature. Temperatures below 15 °C could cause cloudiness and solidification, which is reversible upon heating.

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	North America BASF Corporation 11501 Steele Creek Road Charlotte, NC 28273 USA formulation-additives-nafta@basf.com
Europe BASF SE Formulation Additives 67056 Ludwigshafen Germany 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

Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra FA 4488.

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.