efka® - 4406

High molecular weight polymeric dispersant for deflocculation of pigments

Composition:	Polyester modified polyacrylate			
Data:	Active ingredients	:	49 - 51%	
	Solvents	:	butylacetate/sec. butanol	
	Density at 20 °C	:	0.92 - 0.94 g/cm^3	DIN 51757
	Acid value	:	10 - 14 mg KOH/g	DIN 53402
	Amine value	:	28 - 34 mg KOH/g	DIN 16945
	Flashpoint	:	24 °C	ISO 3679
	Colour	:	max. 10	ISO 4630

Properties:

EFKA-4406 is a polymeric dispersant for stabilizing inorganic and organic pigments. This results in:

- improved gloss and DOI
- reduced flooding problems
- high colour strength

EFKA-4406 shows a wide compatibility, from low polarity to high polarity systems, including nitrocellulose.

Care must be taken with EFKA-4406 as it has a tendency to yellowing or gelling when used in combination with chlorinated polymers. With solvent-free epoxies it has a tendency to yellowing.

Application:

EFKA-4406 is especially developed for areas were nitrocellulose and acrylic coating systems are of main interest. Also suitable for resin minimal pigment concentrates.

Addition:

Calculation method for the required amount of active ingredient on pigments*:*

Inorganic pigments	:	10% of oil absorption value
Organic pigments	:	25 - 50% of BET-value
Carbon blacks	:	20% of DBP absorption value

Incorporation:

EFKA-4406 should be incorporated in the mill base before adding the pigments.

Storage:

EFKA-4406 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging:

25 kg and 190 kg non-returnable containers

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