efka® - 4401

High molecular weight polymeric dispersant for deflocculation of pigments

Composition:	Modified polyacrylate			
Data:	Active ingredients	:	49 - 51%	
	Solvents	:	butylacetate/sec. butanol	
	Density at 20 °C	:	0.94 - 0.96 g/cm^3	DIN 51757
	Amine value	:	48 - 52 mg KOH/g	DIN 16945
	Flashpoint	:	24 °C	ISO 3679
	Colour	:	max. 4	ISO 4630

Properties:

EFKA-4401 is a polymeric dispersant for stabilizing inorganic and organic pigments. This results in:

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

EFKA-4401 shows a wide compatibility, from low polarity to high polarity systems, including nitrocellulose.

Care must be taken with EFKA-4401 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-4401 is used in all kinds of high quality solvent-based industrial coatings including automotive topcoats, as well as in pigment concentrates (see our concept for resin minimal pigment concentrates based on EFKA polymeric dispersants).

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-4401 should be incorporated in the mill base before adding the pigments.

Storage:

EFKA-4401 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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