

# efka® - 4510

## High molecular weight polymeric dispersant for deflocculation of pigment in solvent - and aqueous coatings

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**Composition:** Modified polyacrylate

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<b>Data:</b>	Active ingredients	: 49 - 51%	
	Solvent	: sec. butanol	
	Density at 20 °C	: 0.90 - 0.92 g/cm <sup>3</sup>	DIN 51757
	Acid value	: 17 - 23 mg KOH/g	DIN 53402
	Amine value	: 40 - 50 mg KOH/g	DIN 16945
	Flashpoint	: 24 °C	ISO 3679
	Colour	: max. 3	ISO 4630

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**Properties:** EFKA-4510 is a high molecular weight dispersing agent for both inorganic and organic pigments.  
EFKA-4510 should be neutralized for use in aqueous coatings. Complete water solubility will be obtained by e.g. addition of 2.5% Dimethylethanolamine which is equivalent to 75% neutralization of EFKA-4510.

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**Application:** EFKA-4510 is recommended for use in all kinds of high quality water-based industrial and solvent- based coatings

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**Addition:** Calculation method for the required amount of active ingredients on pigment:

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

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**Incorporation:** EFKA-4510 should be incorporated in the mill base before adding the pigments.

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**Storage:** EFKA-4510 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.

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**Packaging:** 25 kg and 180 kg non-returnable containers

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