

efka® - 5054

Wetting and dispersing additive to prevent sedimentation and flooding of pigments

Composition: High molecular weight carboxylic acid salts

Data:

Active ingredients	:	50 - 54%	
Solvent	:	alkylbenzene	
Density at 20 °C	:	0.88 - 0.90 g/cm ³	DIN 51757
Acid value	:	50 - 56 mg KOH/g	DIN 53402
Amine value	:	48 - 54 mg KOH/g	DIN 16945
Flashpoint	:	42 °C	ISO 3679
Appearance	:	transparent, slightly brown liquid	

EFKA-5054 has a tendency to become hazy at low temperatures but this process can be reversed by heating.

Properties: EFKA-5054 helps to prevent interfacial tension between the hydrophilic pigments/extenders and the binder, forming a lattice structure with the pigments at the same time. This means:

- reduced dispersion time
- stabilization of the pigment dispersion
- decreased pigment sedimentation
- reduced tendency to sag during application on vertical surfaces
- prevention of flooding

Application: EFKA-5054 is ideal for dispersing organophilic Bentonites, because it reduces dispersion time, improves the storage properties of the final paste and gives a thixotropic, easily processed paste-product. EFKA-5054 is especially suitable for non-polar to medium-polar binder systems, ie. air-dried alkyd resins, chlorinated polymers, alkyd/amino resin combinations and epoxies. EFKA-5054 can cause discolouration in nitrocellulose varnishes.

Addition: 0.5 - 2.0% based on inorganic pigments
30.0 - 50.0% based on the organophilic Bentonite

Incorporation: When used in mill-bases, add before grinding. In Bentonite dispersions use as follows:

85 - 87	parts of solvent
10	parts of Bentonite
5 - 3	parts of EFKA-5054
100	parts

Storage: EFKA-5054 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 180 kg non-returnable containers