BYKJET-9150

High molecular weight wetting and dispersing additive for solvent-free UV-curable inkjet inks. Suitable for all pigment types.

Product data

Composition
Solution of a copolymer with pigment-affinic groups

Typical properties
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.07 g/ml
Active substance:	70 %
Solvents:	propoxylated neopentyl glycol diacrylate (PONPGDA)
Acid value:	5 mg KOH/g
Amine value:	12 mg KOH/g

Storage and transportation
To be stored and transported at a temperature below 40 °C. Protect the product from direct sunlight.

Applications

Inkjet inks

Special features and benefits
High molecular weight wetting and dispersing additive for solvent-free, UV-curable inkjet inks. The additive improves pigment wetting and, thanks to its outstanding steric stabilization of the pigments, it also improves the optical properties of the systems (color strength, gloss, haze, transparency). The viscosity of the pigment concentrates and the finished inkjet inks is reduced and thixotropy prevented. Long-term stability without viscosity change is achieved. BYKJET-9150 also generates a uniform electrical charge across the pigment particles, thereby preventing possible co-flocculation of particles that are not equally charged. The excellent deflocculation causes a very small particle size and a narrow particle size distribution, which achieves short filtration times.

Recommended use
BYKJET-9150 is suitable for all solvent-free, UV-curable inkjet inks. It stabilizes the majority of the pigments that are usually used in inkjet inks.

Recommended levels
40–100 % additive (as supplied) based on organic pigments.
45–120 % additive (as supplied) based on carbon black pigments.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

Wetting and dispersing additives should generally be added to the millbase. Only in this way can they be fully effective. Pre-mix the resin and reactive thinner of the millbase and then gradually let the additive flow in whilst stirring. Only add the pigments when the additive has been thoroughly distributed.

Your local contact

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