

# BYKJET-9152

Solvent-free wetting and dispersing additive for dispersing and stabilizing organic pigments and carbon blacks in solvent-borne, aqueous and UV-curable inkjet inks.

## Product Data

### Composition

Copolymer with pigment affinic groups

### Typical Properties

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

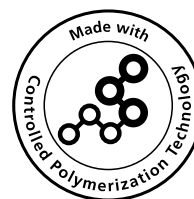
Amine value:	19 mg KOH/g
Acid value:	6 mg KOH/g
Density (20 °C):	1.12 g/ml
Non-volatile matter:	99 %

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Storage and Transportation

Above 5 °C; the product may solidify below 5 °C.



## Applications

### Inkjet Inks

#### Special Features and Benefits

BYKJET-9152 is a high molecular-weight wetting and dispersing additive with a highly deflocculating effect that uses steric hindrance to prevent the reflocculation of pigments. BYKJET-9152 therefore improves the optical properties of pigment-based inkjet inks (color strength, gloss, haze, transparency). The viscosity of the pigment concentrates and the finished inks is reduced and thixotropy is prevented. Good long-term stability is also achieved. The product produces an even particle size distribution in pigment dispersions, thereby significantly reducing the filtration time. BYKJET-9152 can be used in all types of aqueous, solvent-borne, and UV-curable inkjet inks. It stabilizes most pigments commonly used in inkjet products.

**Recommended Use**

Aqueous inkjet inks	■
Strong solvent inkjet inks	■
Eco-solvent inkjet inks	■
UV-curable inkjet inks	■

■ especially recommended

**Recommended Levels**

20-70 % additive (as supplied) based on organic pigments.

30-100 % additive (as supplied) based on carbon black.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

**Incorporation and Processing Instructions**

Wetting and dispersing additives should generally be added to the millbase. This is the only way in which they can be fully effective. Pre-mix the resin and solvent components of the millbase and then gradually pour in the additive while stirring. Add the pigments only after the additive has been thoroughly dispersed.



Additive Guide



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