

BYK-044

Silicone-containing defoamer for aqueous printing inks and overprint varnishes.

Product Data

Composition

Emulsion of hydrophobic solids and polysiloxanes

VOC-free (< 1500 ppm)

Typical Properties

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

Density (20 °C): 1.03 g/ml

Non-volatile matter (10 min., 150 °C): 57 %

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Storage and transportation between 0°C and 40°C. Temperature-sensitive emulsion. If the temperature has exceeded or fallen below the recommended range, the product has to be tested before use and, if necessary, be re-emulsified at room temperature.

Applications

Printing Inks

Special Features and Benefits

BYK-044 is recommended as a millbase defoamer, to defoam aqueous pigment concentrates and for overprint varnishes.

Recommended Levels

0.05-0.5 % additive (as supplied) based upon total formulation.

0.2-2 % additive (as supplied) in the pigment concentrates.

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

Incorporation and Processing Instructions

Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise defects may occur in the system.

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Data Sheet
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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

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