BYK-023

VOC-free silicone-containing defoamer for aqueous emulsion paints, printing inks and overprint varnishes.

Product Data

Composition
Emulsion of foam-destroying polysiloxanes, hydrophobic solids and emulsifiers

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):	1.00 g/ml
Non-volatile matter (60 min., 105 °C):	18.5 %
Carrier:	Water

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

Coatings Industry

Special Features and Benefits
BYK-023 is recommended for emulsion paints with a PVC of 30-50 and which are manufactured on a styrene acrylate, acrylate or terpolymer basis. The additive is also suitable for use in hybrid systems.

Recommended Levels
0.05-0.8 % additive (as supplied) based upon total formulation.

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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Printing Inks and Overprint Varnishes

Special Features and Benefits
BYK-023 is recommended for defoaming printing inks and overprint varnishes based on styrene acrylate or acrylate. The additive is also suitable for use in hybrid systems.

Recommended Levels
0.2-1 % additive (as supplied) based upon total formulation.

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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