BYK-019

Silicone-containing defoamer for aqueous pigment concentrates for use in coatings, printing inks and overprint varnishes. Prevents foam during grinding. Long-term and shear stability. Particularly suitable for resin-free grinds (slurries).

Product Data

Composition
Solution of a polyether-modified polydimethylsiloxane.

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

Density (20 °C):	0.98 g/ml
Non-volatile matter (60 min., 105 °C):	60 %
Solvents:	Dipropylene glycol monomethyl ether
Flash point:	78 °C

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.

Applications

Coatings Industry

Special Features and Benefits
BYK-019 is particularly suitable for aqueous coating systems based on polyurethane dispersions and polyurethane/acrylate combinations and for defoaming pigment concentrates. To reduce microfoam, a combination of BYK-019 with BYK-024 in a ratio of 3:2 has proven successful.

Recommended Levels
0.1-1 % 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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Data Sheet
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Printing Inks and Overprint Varnishes

Special Features and Benefits
BYK-019 is particularly suitable for aqueous overprint varnishes based on acrylate dispersions, polyurethane dispersions and polyurethane/acrylate combinations and for defoaming pigment concentrates. To reduce microfoam, a combination of BYK-019 with BYK-024 in a ratio of 3:2 has proven successful in defoaming pigment concentrates.

Recommended Use
The additive is particularly recommended for aqueous systems and UV systems.

Recommended Levels
0.1-1 % 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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