BYK-024

VOC-free silicone-containing defoamer for aqueous emulsion lacquers, printing inks, overprint varnishes, and emulsion adhesives. Compatible defoamer. All-purpose and easy to incorporate.

Product Data

Composition
Mixture of foam-destroying polysiloxanes and hydrophobic solids in polyglycol

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): 1.01 g/ml

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
Separation may occur. Mix well before use.

Applications

Printing Inks and Overprint Varnishes

Special Features and Benefits
BYK-024 is recommended for defoaming aqueous printing inks and overprint varnishes based on acrylate/polyurethane and polyurethane. Also for aqueous 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
The additive can be added at any time during production. The amount of defoamer used is often divided (by adding 2/3 into the millbase and 1/3 into the let-down or finished product).

Coatings Industry

Special Features and Benefits
BYK-024 is recommended for defoaming high gloss emulsion systems based on acrylate/polyurethane and polyurethane in the pigment volume concentration range 0-25. The additive is effective when used in all standard application methods such as rolling, brushing, spraying and pouring.

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
The additive can be added at any time during production. The amount of defoamer used is often divided (by adding 2/3 into the millbase and 1/3 into the let-down or finished product).

Adhesives

Special Features and Benefits
BYK-024 is recommended for defoaming aqueous emulsion adhesives.

Recommended Levels
0.05-1 % 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
The additive can be added at any time during production.

Glass fiber sizings

Special Features and Benefits
BYK-024 is recommended for defoaming when applying aqueous glass fiber sizings.

Recommended Levels
0.1-0.3 % additive (as supplied) based on the 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
The additive may be added at any time during production while stirring.

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