

# BYK-094

VOC-free silicone-containing defoamer for aqueous coating systems, printing inks, overprint varnishes and adhesive systems. Compatible defoamer. All purpose and easy to incorporate.

## Product Data

### Composition

Compound of foam-destroying polysiloxanes and hydrophobic solids

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

### 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

Separation may occur. Mix well before use.

## Applications

### Printing Inks and Overprint Varnishes

#### Special Features and Benefits

BYK-094 is particularly recommended for defoaming aqueous flexo and gravure inks and overprint varnishes. The defoamer is characterized by a highly spontaneously defoaming effect and its outstanding stability on the press. It prevents foam building up in the ink ducts and/or pump system.

#### 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

The additive is preferably used in the let-down, however it can be added at any time during production. As a result of its high activity the defoamer must be incorporated at moderate shear forces to ensure a good distribution. Otherwise defects may occur in the system.

## Adhesives

### Special Features and Benefits

BYK-094 is recommended for defoaming all common aqueous adhesive systems.

### 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.

## Coatings Industry

### Special Features and Benefits

BYK-094 is particularly recommended for pigmented and non-pigmented aqueous coatings. The defoamer prevents foam forming in the manufacture and application of the coatings and has an excellent long-term effect.

### 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 mill base and 1/3 into the let-down or finished product).