

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 (68 °F): 8.60 lbs/US gal

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-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).