

BYK-016

VOC and silicone-free, polymer-based defoamer for aqueous coatings, adhesives, printing inks and overprint varnishes. This defoamer can also be used for the underwater pelletizing of thermoplastics. Suitable for food contact.

Product Data

Composition

Compound of foam-destroying polymers and hydrophobic solids

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

Food Contact Legal Status

The additive is suitable for applications with food contact. 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.

VOC-free (< 1500 ppm)
Does not contain
alkylphenol ethoxylates.

Applications

Printing Inks and Overprint Varnishes

Special Features and Benefits

BYK-016 is a very effective silicone- and mineral oil-free defoamer for aqueous printing inks, overprint varnishes and inkjet printing inks. It has no negative influence on the runnability and does not cause any defects in the print image.

Recommended Levels

1-2 % 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. Sufficiently high shear forces must be applied.

Coatings Industry

Special Features and Benefits

BYK-016 is a very effective silicone- and mineral oil-free defoamer for aqueous coating systems and is particularly recommended for can and coil coatings.

Recommended Levels

1-2 % 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. Sufficiently high shear forces must be applied.

Adhesives & Sealants

Special Features and Benefits

BYK-016 is a very effective silicone- and mineral oil-free defoamer for aqueous adhesives. It can be very easily incorporated and displays a good compatibility in sensitive systems. In aqueous cold seal adhesives for flexible food packaging BYK-016 prevents foam very efficiently and can be used without any problems as a result of its approval for use in contact with food.

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. Sufficiently high shear forces must be applied.

Thermoplastics

Special Features and Benefits

BYK-016 is recommended for use as a defoamer for the underwater pelletizing of thermoplastics.

Recommended Levels

0.05-0.1 % additive (as supplied) in the circulation water.

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 added directly into the circulation water.