BYK-014

VOC-free, silicone-free polymer-based defoamer for aqueous architectural coatings, plasters, adhesives as well as care products and polishes. Optimum performance at the lowest dosage.

Product Data

Composition
Mixture of foam-destroying polymers and hydrophobic solids

VOC-free (< 1500 ppm)
Contains no alkylphenol ethoxylates.

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

Density (20 °C): 0.97 g/ml
Active substance: 100 %

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

Coatings Industry

Special Features and Benefits
BYK-014 is especially recommended as a defoamer in the production and application of emulsion paints and plasters within a PVC range of 30-85. The additive is free of silicones and mineral oil, and is especially suitable for VOC-free systems. It exhibits optimum performance at the lowest dosage, is stable to acids and alkalis, and can be used in the pH range 3-12.

Recommended Use

Architectural coatings	■
Coil coatings	□
Leather coatings	□

■ especially recommended □ recommended

Recommended Levels
0.1-0.5 % 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 can be added at any time during production. Sufficiently high shear forces must be applied.

Adhesives & Sealants

Special Features and Benefits
BYK-014 is a highly effective defoamer for all current dispersion adhesives and inhibits foaming during production and application. The product is free of silicones and mineral oil, and is especially recommended for VOC-free systems. It exhibits optimum performance at the lowest dosage, is stable to acids and alkalis, and can be used in the pH range 3-12.

Recommended Levels
0.1-0.8 % 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 can be added at any time during production. Sufficiently high shear forces must be applied.

Care Products and Polishes

Special Features and Benefits
BYK-014 is especially recommended as a defoamer for floor care products with a high wax content. It achieves very good defoaming when applied with a microfiber mop.

Recommended Levels
0.1-0.5 % 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
It is preferable to add the additive after the binder and water have been premixed, but before the wax emulsions are added. However, it can be used at any stage during manufacture. Due to its very easy incorporation, high shear forces are not necessarily required.

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