

BYK-1617

VOC-free silicone-containing defoamer for aqueous architectural coatings, adhesives and cleaning agents. Preferably used in dispersion systems within a PVC range of 60-85. Cost-effective alternative to mineral oil defoamers.

Product Data

Composition

Emulsion of foam-destroying polysiloxanes, hydrophobic solids and emulsifying agents

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

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
Non-volatile matter (60 min, 105 °C): 12.5 %
Carrier: Water

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

To be stored and transported between 0 °C and 40 °C. Temperature-sensitive emulsion. If the storage temperature drops below or exceeds that recommended, the product should be checked and, if necessary, re-emulsified at room temperature.

Applications

Coatings Industry

Special Features and Benefits

BYK-1617 is a very versatile defoamer for aqueous systems. The additive is especially recommended for use in the production and application of emulsion paints and plasters within a PVC range of 60-85. BYK-1617 is VOC-free and can replace mineral oil defoamers.

Recommended Levels

0.1-0.5 % additive (as supplied) based on the total formulation – in exceptional cases up to 0.8 %.

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**Special Features and Benefits**

BYK-1617 can be used in all aqueous dispersion adhesives as a defoamer.

Recommended Levels

0.05-0.5 % 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 incorporated during any stage of the production process, at low to moderate shear rates.

Household, Industrial, and Commercial Cleaning Agents**Special Features and Benefits**

BYK-1617 is an Ecolabel-compliant silicone-containing defoamer for aqueous care products and cleaning agents, which can demonstrate its considerable defoaming effect already during production. This effect is maintained after application.

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 is preferably added at the start of formulation, however it is possible to use it at any stage of manufacture.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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