

## BYK-1611

VOC-free silicone-containing defoamer for aqueous coatings, adhesives and cleaning agents. Preferably used in dispersion systems within a PVC range of 35-70. 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): 17 %  
Carrier: Water

#### 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

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-1611 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 35-70. BYK-1611 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-1611 can be used in all aqueous dispersion adhesives as a defoamer and is more effective than BYK-1617.

### 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-1611 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



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