

# BYK-1610

VOC-free silicone-containing defoamer for aqueous coatings and adhesives. Preferably used in emulsion systems with a PVC of 35-70. Cost-effective alternative to mineral oil defoamers.

## Product Data

### Composition

Emulsion of hydrophobic solids, emulsifiers and foam-destroying polysiloxanes

**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 (68 °F): 8.39 lbs/US gal  
Non-volatile matter (10 min., 302 °F): 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

Storage and transport between 0 °C (32 °F) and 40 °C (104 °F). Temperature-sensitive emulsion. If the temperature has exceeded or fallen below the recommended range, the product has to be tested and, if necessary, be re-emulsified at room temperature.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-1610 is a silicone defoamer that can replace mineral oil defoamers in many applications (emulsion paints and plasters, gloss and semi gloss paints). For use within a PVC range of 35-70.

#### Recommended Levels

0.1-0.5 % additive (as supplied) based upon total formulation, in exceptional cases up to 0.8 %.

The above recommended levels can be used for orientation. Optimal dosage levels are determined through a series of laboratory tests.

#### Incorporation and Processing Instructions

Normally 2/3 of the amount of defoamer is added to the mill base, 1/3 to the let-down or the finished paint.

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### Adhesives

#### Special Features and Benefits

BYK-1610 is more effective than BYK-1615 and can be used in all aqueous emulsion adhesives as a defoaming agent.

#### Recommended Levels

0.05-0.5 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal dosage levels are determined through a series of laboratory tests.

#### Incorporation and Processing Instructions

The additive can be added at any time during the production process at low to moderate shear forces.

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