

BYK-1611

VOC-free silicone-containing defoamer for aqueous coatings and adhesives. 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 (68 °F): 8.35 lbs/US gal
Non-volatile matter (60 min, 221 °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 for further information.

Storage and Transportation

Storage and transport between 0 °C (32 °F) and 40 °C (104 °F). 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.



Additive Guide



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