

# BYK-022

VOC-free silicone-containing defoamer for aqueous coatings, printing inks and adhesives. Also effective against microfoam.

## Product Data

### Composition

Mixture of foam-destroying polysiloxanes and hydrophobic solids in polyglycol

VOC-free (< 1500 ppm)

### Typical Properties

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

Density (68 °F): 8.30 lbs/US gal

### 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

Separation may occur. Mix well before use.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-022 is particularly suitable for pigmented high gloss emulsion systems based on styrene acrylate, acrylate or acrylate/polyurethane with a pigment volume concentration of 18-25. Also effective against microfoam.

#### Recommended Levels

0.05-0.8 % additive (as supplied) based upon 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

Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise defects may occur in the system.

**Printing Inks and Overprint Varnishes****Special Features and Benefits**

BYK-022 is recommended for defoaming printing inks and overprint varnishes based on styrene acrylate, acrylate or acrylate/polyurethane. Also effective against microfoam.

**Recommended Levels**

0.2-1 % additive (as supplied) based upon total formulation.

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

**Incorporation and Processing Instructions**

Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise defects may occur in the system.

**Adhesives****Special Features and Benefits**

BYK-022 is recommended for defoaming aqueous adhesives based on polyacrylate or polychloroprene. Also effective against microfoam.

**Recommended Levels**

0.05-0.5 % additive (as supplied) based upon 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**

Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise defects may occur in the system.