

# BYK-077

Silicone-containing leveling additive with good defoaming properties for solvent-borne coating systems.

## Product Data

### Composition

Solution of a polymethylalkylsiloxane

### Typical Properties

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

Density (68 °F):	7.39 lbs/US gal
Non-volatile matter (10 min., 302 °F):	52 %
Solvents:	Alkylbenzenes
Flash point:	113 °F

### 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.

### Special Note

The additive is also available solvent-free under the name BYK-085.

## Applications

### Coatings Industry

#### Special Features and Benefits

BYK-077 is a silicone-based leveling additive which also prevents the formation of foam and bubbles in the production and processing of solvent-borne coatings in the non-polar to highly polar domain. When re-coating, it does not cause rewetting difficulties or defects in the intercoat adhesion.

#### Recommended Levels

0.05-0.6 % 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

The additive can be incorporated during any stage of the production process.

#### Special Note

Overdosage can lead to turbidity in glossy, clear coatings and haze in pigmented systems.

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Additive Guide



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