

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 (20 °C):	0.89 g/ml
Non-volatile matter (10 min., 150 °C):	52 %
Solvents:	Alkylbenzenes
Flash point:	45 °C

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.

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.



Additive Guide



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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

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