BYK-011

Silicone-free, polymer-based defoamer for aqueous coating systems (also radiation curable systems) and cleaning agents. Particularly recommended for two pack polyurethane systems. Very good recoatability.

Product Data

Composition
Solution of polyolefin with hydrophobic particles

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

Density (20 °C):	0.80 g/ml
Non-volatile matter (10 min., 150 °C):	29 %
Solvents:	Hydrocarbons/ethylhexanol 21/1
Flash point:	72 °C

Storage and Transportation
To be stored and transported between 0 °C and 40 °C. Separation may occur. Mix well before use.

Applications

Coatings Industry

Special Features and Benefits
BYK-011 is suitable for defoaming aqueous coatings (also radiation curable systems). The additive is silicone-free and mineral oil-free. It is particularly recommended for aqueous two-pack polyurethane systems and prevents the foam that occurs when adding the curing agent. BYK-011 is also suitable for clear coats and is used for defoaming ultrafiltrates.

Recommended Levels
1-2.5 % additive (as supplied) based on the total formulation in aqueous two-pack polyurethane systems.

0.1-1.5 % additive (as supplied) based on the total formulation in other aqueous systems.

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

Incorporation and Processing Instructions
The defoamer can be very easily incorporated without effort required for dispersing and can also be used in the millbase as well as in the let-down.

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Data Sheet
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Household, Industrial, and Commercial Cleaning Agents

Special Features and Benefits
BYK-011 is a silicone-free defoamer for aqueous care products and cleaning agents, which can demonstrate its considerable defoaming effect already during production. This effect is maintained after application.

Recommended Levels
0.3-1 % 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 is preferably added at the start of formulation, however it is possible to use it at any stage of manufacture.

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