

BYK-3751

Silicone surface additive for solvent-borne and aqueous systems with a medium reduction in surface tension.

Product Data

Composition

Solution of a polyether-modified polydimethylsiloxane

SVHC label-free
(EU SDS)

Typical Properties

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

| | |
|--|-------------|
| Density (20 °C): | 0.98 g/ml |
| Non-volatile matter (10 min., 150 °C): | 52 % |
| Solvents: | Butylglycol |
| Flash point: | 61 °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

BYK-3751 is a low-cycle version of BYK-301. The cyclic siloxane content D4 / D5 / D6 is in each case less than 0.1%, therefore the SVHC label is not required in the safety data sheet.

Applications

Coatings Industry

Special Features and Benefits

The additive provides a medium reduction in the surface tension of coating systems. It increases surface slip and improves leveling and gloss. BYK-3751 also optimizes substrate wetting and provides anti-blocking properties.

Recommended Use

The additive is particularly recommended for all solvent-borne and aqueous coatings.

Recommended Levels

0.1-0.3 % 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, including post-addition.

Special Note

Unlike so-called silicone oils, this additive is very user-friendly. However, before use, one should determine in a test series whether the foam is stabilized in certain systems. Similarly, the recoatability and cratering should be checked.



Additive Guide



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