

BYK-1851

Silicone- and aromatic-free, polymer-based defoamer for solvent-borne and solvent-free systems with very good compatibility.

Product data

Composition

Solution of polyolefins

Aromatic-free
Silicone-free

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):	20 %
Solvents:	dearomatized hydrocarbons
Flash point:	37 °C

Storage and transportation

To be stored and transported between 0 °C and 50 °C.

Special note

BYK-1851 is the replacement product for BYK-051 N.

Applications

Coatings industry

Special features and benefits

BYK-1851 is an excellent silicone- and aromatic-free defoamer for a range of solvent-borne and solvent-free coating systems. It is powerful and effective with exceptional compatibility and does not reduce intercoat adhesion when recoating.

Recommended use

General industrial coatings	<input checked="" type="checkbox"/>
Automotive coatings	<input type="checkbox"/>
Wood and furniture coatings	<input type="checkbox"/>
Architectural coatings	<input checked="" type="checkbox"/>
Marine and protective coatings	<input checked="" type="checkbox"/>
Floor coatings	<input checked="" type="checkbox"/>

especially recommended recommended

Recommended levels

0.05–0.5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

To achieve optimal defoaming, the defoamer should be added as early as the millbase stage. If incorporating at a later stage, sufficiently high shear forces must be applied to ensure a good distribution and to prevent cratering.

Special note

For use in clearcoats, the effect on transparency must be tested.

Printing inks**Special features and benefits**

BYK-1851 prevents foam formation in solvent-borne printing ink systems during production and filling. It prevents air entrapment during processing. The additive displays a spontaneous foam-destroying effect and does not reduce the intercoat adhesion when recoating. Furthermore, BYK-1851 improves leveling.

Recommended use

Printing inks	■
Overprint varnishes	■

■ especially recommended □ recommended

Recommended levels

0.1–1 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

To achieve optimal defoaming, the additive should be added as early as the millbase stage. If incorporating at a later stage, sufficiently high shear forces must be applied to ensure a good distribution and to prevent cratering.



Your local
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