

BYK-1820

Silicone-containing defoamer for aqueous, solvent-free, solvent-borne, and radiation-curable systems.

Product data

Composition

Solution of polysiloxanes

PFAS-free

Typical properties

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

Density (20 °C):	0.97 g/cm ³
Non-volatile matter (10 min, 150 °C):	9 %
Solvent:	1-methoxy-2-propyl acetate
Flash point:	45 °C
Delivery form:	liquid

Storage and transportation

Product shelf life in unopened original packaging: 36 months
 To be stored and transported at a temperature below 50 °C.

Special note

BYK-1820 is PFAS- and butyl glycol-free.

Applications

Coatings industry

Special features and benefits

BYK-1820 is an effective silicone defoamer with excellent compatibility.

Recommended use

- Aqueous systems with varying co-solvent content
- Solvent-free systems
- Medium- to high-polar solvent-borne systems
- Radiation-curable systems

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

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

The defoamer can be added during the grinding or can be post-added. If post-adding, ensure a sufficiently high shear force in order to distribute the additive well and to prevent cratering.

Printing inks**Special features and benefits**

BYK-1820 is an effective silicone defoamer with excellent compatibility.

Recommended use

BYK-1820 is particularly suitable for aqueous printing inks, overprint varnishes, and radiation-curable printing systems.

Recommended levels

0.2-1 % 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 ensure the full effect, the defoamer should be added already during the grinding. If post-adding, ensure a sufficiently high shear force in order to distribute the additive well and to prevent cratering.



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