BYK-081

Fluorine-free defoamer for solvent-borne and amine-neutralized systems.

Product Data

Composition
Non-aqueous emulsion of a polysiloxane

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

Density (68 °F):	8.85 lbs/US gal
Non-volatile matter (60 min, 221 °F):	> 90 %
Solvents:	Propylene glycol
Flash point:	> 212 °F

Food Contact Legal Status
The additive is suitable for applications with food contact. For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation
Separation or turbidity may occur when stored and transported below 5 °C (41 °F). The separation and haziness can be eliminated by warming to 20 °C (68 °F) and mixing well.

Special Note
BYK-081 must not be pre-diluted.

Applications

Coatings Industry

Special Features and Benefits
BYK-081 is a highly effective and spontaneous defoamer. It can be used in amine-neutralized, water reducible coating systems and in solvent-borne coatings. It is particularly suitable for high solid alkyd systems in the architectural coatings sector. The additive shows good compatibility with clear coatings. BYK-081 is not suitable for aqueous systems that contain little or no organic solvent as co-solvent.

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Recommended Use

Can coatings	☐
Architectural coatings	■
Industrial coatings	■
Wood and furniture coatings	■
Protective coatings	☐

■ especially recommended ☐ recommended

Recommended Levels

0.05-1.0 % additive (as supplied) based upon 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 at any time during paint production with moderate shear forces. BYK-081 can also be incorporated later. It must be ensured that sufficiently high shear forces are used to distribute the additive homogeneously and to prevent cratering.

Additive Guide

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This issue replaces all previous versions – Printed in the USA