

# 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](http://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.

**Recommended Use**

Can coatings	<input type="checkbox"/>
Architectural coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Wood and furniture coatings	<input checked="" type="checkbox"/>
Protective coatings	<input type="checkbox"/>

☒ 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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