

BYK-057

Silicone-free defoamer on polymer-basis for solvent-borne and solvent-free coatings and printing inks.

Product Data

Composition

Solution of foam-destroying polymers, silicone-free

Typical Properties

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

Density (68 °F):	7.43 lbs/US gal
Non-volatile matter (10 min., 302 °F):	44 %
Solvents:	Solvent Naphtha/Methoxypropyl acetate 8/1
Flash point:	115 °F

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.

Applications

Coatings Industry

Special Features and Benefits

BYK-057 is effective as a defoamer in unsaturated polyesters, acrylic/vinyl acetate combinations, epoxy resins, and oil-free polyesters. The additive furthermore acts as an air-releasing agent and improves leveling.

Recommended Use

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

☒ particularly recommended ☐ recommended

Recommended Levels

0.1-1.5 % additive (as supplied) based upon total formulation.

The dosage levels are indicated for the purpose of orientation. Optimal dosage levels are determined through series of tests.

Incorporation and Processing Instructions

To achieve optimal defoaming, the defoamer should be added to the millbase. If it is incorporated at a later time, sufficient shear forces must be ensured in order to achieve good defoamer distribution and to prevent crater formation.

Printing inks and overprint varnishes**Special Features and Benefits**

BYK-057 prevents the formation of foam in printing inks and overprint varnishes during manufacture and application. It prevents the formation of foam and bubbles during processing. The additive has an immediate foam-destroying effect and does not reduce intercoat adhesion during recoating.

Applications

Particularly recommended for solvent-free UV curable printing inks and overprint varnishes.

Recommended Levels

0.1-1.5 % additive (as supplied) based upon total formulation.

The dosage levels are indicated for the purpose of orientation. Optimal dosage levels are determined through series of tests.

Incorporation and Processing Instructions

To achieve optimal defoaming, the defoamer should be added to the millbase. If it is incorporated at a later time, sufficient shear forces must be ensured in order to achieve good defoamer distribution and to prevent crater formation.



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