BYK-052 N

Silicone-free defoamer on polymer-basis for solvent-borne and solvent-free systems.
Standard defoamer for many different applications.

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 (20 °C):	0.81 g/ml
Non-volatile matter (10 min., 150 °C):	20 %
Solvents:	White spirit
Flash point:	43 °C

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-052 N is less compatible than BYK-051 N and the standard defoamer for a variety of coating systems with organic solvents. Its defoaming effect is stronger than that of BYK-051 N, especially in the non-polar range. Due to its decreased compatibility, the effect on transparency in clear coats as well as crater formation tendencies must be checked.

Recommended Use

Industrial coatings	■
Automotive OEM coatings	■
Wood and furniture coatings	■
Architectural coatings	■
Protective coating systems	□

■ particularly recommended □ recommended

Recommended Levels
0.05-0.5 % 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-052 N prevents the formation of foam in printing ink systems during manufacture and filling. 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
Solvent-borne and solvent-free printing inks and overprint varnishes.

Recommended Levels
0.05-0.5 % 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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