BYK-088

Defoamer based on silicones and polymers for solvent-free and solvent-borne coatings, printing inks, ambient curing plastic systems as well as adhesives and sealants. Aromatic-free.

Product Data

Composition
Solution of foam-destroying polymers and polysiloxanes

Aromatic-free

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

Density (68 °F):	6.26 lbs/US gal
Non-volatile matter (10 min., 302 °F):	3.3 %
Solvents:	Hydrocarbon mixture (paraffins, naphthenes)
Flash point:	100 °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-088 is a defoamer for all solvent-borne and solvent-free coating systems, especially aromatic-free systems.

Recommended Use

Architectural coatings	■
Industrial coatings	■
Wood and furniture coatings	■
Can coatings	■
Protective coating systems	□

■ especially recommended □ recommended

Recommended Levels
0.2-0.8 % additive (as supplied) based upon 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
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-088 is a defoamer for all solvent-borne and solvent-free printing inks and overcoat varnishes, especially UV systems.

Recommended Levels
0.1-1 % additive (as supplied) based upon 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
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.

Ambient Curing Systems

Special Features and Benefits
Air release agent to prevent foam and bubbles during the manufacture and application of ambient curing plastic applications. Recommended for floorings and casting systems on polyurethane basis.

Recommended Levels
0.5-2 % additive (as supplied) based upon 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
Incorporate into resin before adding the other components. Can also be added to complete systems.

Adhesives & Sealants

Special Features and Benefits
BYK-088 is a defoamer for all solvent-borne and solvent-free adhesives and sealants, especially aromatic-free systems.

Recommended Use
Recommended for adhesives and sealants on polyurethane basis.

Recommended Levels
0.1-1 % additive (as supplied) based upon 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
Incorporate into resin before adding the other components.

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