Data Sheet Issue 09/2012

# **BYK-088**

Additives & Instruments

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 Aromatic-free

Solution of foam-destroying polymers and polysiloxanes

# **Typical Properties**

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

Density (20 °C): 0.75 g/ml Non-volatile matter (10 min., 150 °C): 3.3%

Solvents: Hydrocarbon mixture (paraffins, naphthenes)

Flash point: 38 °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-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.



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# **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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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases

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