BYK-022

VOC-free silicone-containing defoamer for aqueous coatings, printing inks and adhesives. Also effective against microfoam.

Product data

Composition
Mixture of foam-destroying polysiloxanes and hydrophobic solids in polyglycol

VOC-free (< 1500 ppm)

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

Density (20 °C): 1.00 g/ml

Storage and transportation
Separation may occur. Mix well before use.

Applications

Coatings industry

Special features and benefits
BYK-022 is particularly suitable for pigmented high gloss emulsion systems based on styrene acrylate, acrylate or acrylate/polyurethane with a pigment volume concentration of 18–25. Also effective against microfoam.

Recommended levels
0.05–0.8 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise, defects may occur in the system.

Printing inks and overprint varnishes

Special features and benefits
BYK-022 is recommended for defoaming printing inks and overprint varnishes based on styrene acrylate, acrylate, or acrylate/polyurethane. Also effective against microfoam.

Recommended levels
0.2–1 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise, defects may occur in the system.

Adhesives and sealants

Special features and benefits
BYK-022 is recommended for defoaming aqueous adhesives based on polyacrylate or polychloroprene. Also effective against microfoam.

Recommended levels
0.05–0.5 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions
Due to its high incompatibility, the defoamer must be incorporated at high shear forces to ensure a good distribution. Otherwise, defects may occur in the system.

Cementing for oilfield

Special features and benefits
- Very high efficiency per unit
- Effective at eliminating foam caused by fluid loss additives such as PVA and latex
- Eliminates both macro and micro foam

Recommended use
All grades of oilfield cement.

Recommended levels
0.1–0.5 % additive (as supplied) based on weight of cement (BWOC).

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and Processing Instructions
BYK-022 should be incorporated after the cement powder using high shear.

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Data sheet
Issue 08/2022

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