

AGITAN[®] 731

TECHNICAL INFORMATION

Defoamer for aqueous systems

Composition: Blend of modified organo polysiloxanes with nonionic alkoxyated compounds

Appearance: liquid
Colour: yellowish, turbid

Typical Properties:

Active ingredients:	approx. 100 %
Consistency:	medium viscosity
Density at 20°C:	approx. 1.01 g/cm ³
Flash point:	above 200 °C
Solubility in water:	not emulsifiable
pH (2% in dist. water):	approx. 7

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties/applications: AGITAN 731 is a highly effective siloxane defoamer for aqueous emulsion and water reducible systems. It is particularly effective in aqueous printing inks. A non-ionic structure provides excellent compatibility with most common binders.

Main applications:

- Architectural coatings
- Liquid building products
- Industrial and wood coatings
- Printing inks
- Adhesives
- Cleaners
- High-temperature process water
- Vacuum distillation

Recommended levels/use: Normal dosage ranges from 0.05 to 0.2 % on finished product. Ladder studies are recommended to determine optimum level. For aqueous printing inks AGITAN 731 has to be added in the early stage of the manufacturing process. This will ensure uniform distribution with a minimal amount of AGITAN 731. Optimum dispersion in low viscosity systems is possible if high levels of wetting agents are present or high shear is applied which assists the incorporation of the defoamer. Dilution of AGITAN 731 in almost every co-solvent may improve dispersion of the defoamer. The recommended dosage for process water treatment is 50-200 ppm.

Storage/handling: AGITAN 731 is not sensitive to freezing, but for better handling it should be stored between 5 and 25 °C. The product must be mixed before use. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Totes holding 1000 kg net, drums holding 150 kg net and kegs holding 30 kg net.