AGITAN® 307

TECHNICAL INFORMATION

Defoamer for aqueous systems

Composition: Blend of modified nonionic fatty compounds and hydrophobic silica with white oils of pharmaceutical grade, silicone free

Appearance: liquid
Colour: light, turbid

Typical Properties:
- Active ingredients: approx. 100 %
- Consistency: medium viscosity
- Density at 20°C: approx. 0.89 g/cm³
- Flash point: above 140 °C
- Solubility in water: easily emulsifiable in water, results in emulsion which separates slowly
- pH (2% in dist. water): approx. 8

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 307 is recommended for aqueous emulsion systems, specifically for low odor and non-polluting formulations. It is compatible with all common binders.

Main applications:
- Wood coatings
- Printing inks
- Adhesives
- Emulsion manufacture
- Paper coatings

Recommended levels/use: Normal dosage ranges from 0.05 to 0.5 % on finished product. Ladder studies are recommended to determine optimum level. AGITAN 307 is typically added undiluted during pigment grinding for optimum distribution and de-aeration. For most efficient use 2/3 of AGITAN 307 is added to the pigment dispersion and 1/3 is added to the letdown. For post addition the product can be pre-emulsified with water. For the manufacturing of emulsions and dispersions it is necessary to add AGITAN 306 to the water phase.

Storage/handling: AGITAN 307 is not sensitive to freezing but for better handling it should be stored at 5 and 25 °C. As the product tends to separate during storage it must be mixed before use. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Totes holding 900 kg net.