TECHNICAL INFORMATION

Defoamer for aqueous systems

**Composition:** Blend of hydrophobic silica, hydrocarbons and nonionic emulsifiers

**Appearance:** liquid

**Colour:** yellowish, turbid

**Typical Properties:**
- **Active ingredients:** approx. 100 %
- **Consistency:** medium viscosity
- **Density at 20°C:** approx. 0.92 g/cm³
- **Flash point:** above 100 °C
- **Solubility in water:** easily emulsifiable, results in a stable emulsion which separates slowly
- **pH (2% in dist. water):** approx. 8.5

*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 703 N is designed specifically for finely dispersed emulsions (hydrosols), water reducible systems and gloss emulsion paints.

- **Main applications:**
  - Architectural coatings
  - Emulsion plasters
  - Industrial and wood coatings
  - Emulsion manufacturing

**Recommended levels/use:** Normal dosage ranges from 0.05 to 0.5 % in aqueous coatings. In adhesives 1 to 2 % are used on resin. Ladder studies are recommended to determine optimum concentration. AGITAN 703 N is typically added undiluted during pigment grinding for optimum distribution and de-aeration. For most efficient use 2/3 of AGITAN 703 N is added to the pigment dispersion and 1/3 is added to the letdown. For manufacture of emulsions it is recommended to add the defoamer to the water phase.

**Storage/handling:** AGITAN 703 N is not sensitive to freezing, but for better handling it should be stored between 15 and 25 °C. As the product tends to slightly separate 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, drums holding 140 kg net and kegs holding 25 kg net.

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Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product’s performance in their own systems. This technical data sheet replaces all previous issues.

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MÜNZING CHEMIE GmbH
Münzingstrasse 2
74232 Abstatt

Tel: +49(0)7131/987-0
Fax: +49(0)7131/987-125
sales.pca@munzing.com
www.munzing.com