

Defoamer for Water-Based Industrial Coatings

RP-6216

Features and Benefits:

Utilizing innovative hyper-branched technology, this product overcomes the shortcomings of traditional molecular-level defoamers—such as insufficient defoaming and secondary bubble-breaking capabilities—significantly enhancing dynamic bubble-breaking performance and ensuring more thorough elimination of micro-bubbles. This molecular-level alcohol-ether silicone defoamer is suitable for use in medium- to low-viscosity coating and adhesive systems. It is versatile for use during the grinding and paint formulation stages, and is particularly well-suited for water-based industrial coatings with high emulsion and resin content that require superior bubble-breaking and compatibility.

- Compared to general silicone defoamers, it demonstrates superior ability to eliminate fine bubbles.
- Compared to traditional mineral oil and star-shaped defoamers, it offers stronger defoaming power and better durability, while retaining the performance characteristics of silicone defoamers.

Product Specifications:

Appearance	Yellow, cloudy liquid
Active Ingredients	100%
Ionic State	Nonionic
Density	Approximately 0.96 g/mL (25°C)
Water Solubility	Easily dispersible in water

Applications:

Water-based industrial coatings.

Usage Instructions:

1. Add RP-6216 in stages at a rate of 0.1–0.3% of the total paint volume. Add two-thirds before grinding and one-third after paint mixing. Adjust the defoamer blend and dosage according to the customer's specific formulation and process.
2. Separation may occur over time; stir thoroughly before use.
3. If frozen during cold storage, allow it to thaw slowly at room temperature, then stir thoroughly before use.

Packaging:

25 kg per drum.

Storage:

Handle and store as non-hazardous material. Keep tightly sealed and store in a dry, well-ventilated area. Shelf life is one year.