

RT4170 Wetting Agent

Overview

RT4170 formulation exhibits high hydrophilicity and excellent wetting properties, with superior solubility and dispersibility. It contains no APEO emulsifying monomers or NP-40 eco-friendly alternatives, ensuring compatibility with high electrolyte solutions. As an auxiliary emulsifier in emulsion polymerization, it enhances the emulsion's resistance to calcium chloride and demonstrates outstanding acid and alkali resistance.

Reference technical specifications:

Chemical composition: Nonionic surfactant isopropyl alcohol ether

Appearance: Colorless transparent liquid

Active ingredient: 69-71%

pH value: 5.0-7.0

Solubility: easily soluble in water

Application:

- It can be used as an emulsifier in emulsion to improve the shear stability, temperature stability, and electrolyte stability.
- It can be used as a wetting agent in latex paint to improve color development and enhance the scratch resistance of the coating.
- It can be diluted with cold water at room temperature without forming a gel phase.
- Low VOC content and absence of APEO, with medium foam, enhance the compatibility between color paste and emulsion, effectively reducing floating color and mottling in latex paint while improving color intensity.
- The environmentally friendly emulsifier, which replaces alkylphenols, exhibits a large adsorption area. It provides excellent stability for the emulsion in terms of polymerization, chemical, mechanical, and freeze-thaw cycles, and is easily soluble in cold water.
- Alternative alkylphenol polyoxyethylene ether containing 35-45EO.

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Advantage:

- Excellent wetting property;
- Good emulsification property;
- It can improve the fullness of latex paint;
- Increasing freeze-thaw stability of latex paint;
- Lower foaming property than similar products;
- The color development and gloss of latex paint were improved.

Package and storage:

Store in a dark place, keep unopened and stored at 5°C to 35°C. The product has a shelf life of 12 months from the date of production.

Available in 25kg/bucket and 200kg/bucket sizes, with customized packaging options for customers.

All data, including formulations, are authentic. However, customers must conduct experiments in their own laboratories or equipment for confirmation, and the company cannot make any commitments. Customers must comply with local patent regulations. Suppliers have the right to improve their products, and any modifications to specifications may be made without prior notice.