

Witbreak DRC-163

Oxyalkylated Phenolic Resin

Nonionic resin oxyalkylate water in oil demulsifier

Specifications

Appearance	Dark amber liquid at 25°C
Moisture	≤ 0.5 %
Relative Solubility Number	14.8-15.0

Characteristics

Appearance	Liquid amber at 25°C
Brookfield viscosity, 77°F	2630 cps
Density	8.7 Lbs/Gal at 25°C
Flash point	60.6 C
Odor	Bland
pH	10 (5% in 3:1 IPA/H2O)
Pour point	1.7 °C
Relative Solubility Number	14.9
Water content	≤ 0.5 %
Solubility: 10% in Isopropyl Alcohol	Soluble
Solubility: 10% in Kerosene	Insoluble
Solubility: 10% in Water	Insoluble
Solubility: 10% in Xylene	Soluble
Solubility: 50% in Aromatic 150	Soluble
Solubility: 50% in Isopropyl Alcohol	Soluble
Solubility: 50% in Kerosene	Insoluble
Solubility: 50% in Water	Insoluble
Solubility: 50% in Xylene	Soluble

Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Applications

Witbreak DRC-163 is a resin oxyalkylate. This emulsion-breaker works by effectively neutralizing the strength of the natural emulsifying agent, allowing the finely dispersed water droplets to coalesce. As the tiny water droplets merge into progressively larger and heavier drops, the water settles and the oil rapidly rises to the top. The result is a sharp, well-defined oil/water interface and bright, clean and marketable oil.

Additional information

Witbreak DRC-163 is one of Nouryon's line of high performance emulsion-breaker chemicals. Witbreak DRC-163 has been specially developed to provide fast resolution of stable emulsions in which water is the internal phase and oil is the external phase. Witbreak DRC-163 displays exceptional water dropping, desalting and oil brightening characteristics. It's unique chemistry enables this intermediate to be formulated to achieve very specific applications for the economical treatment of a wide variety of crudes including waste oils. Finished formulations may be used in typical continuous treatment systems as well as downhole and in batch applications, optimizing the oil treatment process.

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