

Witbreak DRA-21

Resin oxyalkylate

Witbreak® DRA-21 demulsifier is a resin oxyalkylate intermediate used in oilfield production primarily as a Dryer and sometimes as a Water Dropper for low-to-mid-range API crudes globally.

Specifications

Appearance	Dark amber liquid at 25°C
Moisture	≤ 0.20 %
Relative Solubility Number	13.9 - 15.9

Characteristics

Appearance	Liquid dark amber at 25°C
Brookfield viscosity, 77°F	600 cps
Density	8.5 Lbs/Gal at 25°C
Flash point	73.9 C
Odor	Bland
pH	11 (5% in 3:1 IPA/H2O)
Pour point	-12.2 °C
Relative Solubility Number	14.9
Water content	≤ 0.5 %
Solubility: 10% in Aromatic 150	Soluble
Solubility: 10% in Isopropyl Alcohol	Soluble
Solubility: 10% in Kerosene	Dispersible
Solubility: 10% in Water	Dispersible
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	Dispersible
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® DRA-21 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® DRA-21 is one of Nouryon's line of high performance emulsion-breaker chemicals. Witbreak® DRA-21 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® DRA-21 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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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.