

# Witbreak DRC-163

## Resin oxyalkylate

Witbreak® DRC-163 demulsifier is a resin oxyalkylate intermediate used in oilfield production primarily as a Water Dropper and sometimes as a Dryer and an Interface Control Agent for a wide range of API crudes globally.

### 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.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

Witbreak® is a registered trademark in many countries. For more information, please visit our website at [www.nouryon.com](http://www.nouryon.com).

The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.