

TECHNICAL DATA SHEET

Demulsifier for dewatering and desalting HERCULES 1603

Description:

The demulsifier **HERCULES 1603** is developed to break water-in-oil emulsion when crude oil is processed at desalting unit in Oil Refineries. This is a highly active blend of ethylene oxide and alkyl phenol polymers in a mixture of alcohol and/or aromatic solvent.

Demulsifier **HERCULES 1603** is manufactured in three grades: A, B, and C in Koltech company chemical plant.

Application:

Demulsifier **HERCULES 1603** is continuously injected into the desalter with the dosage pump. Demulsifier is dosed directly from the delivered drum or from specially arranged tank. It is not necessary to make the solution of demulsifier in a hydrocarbon solvent, however the user might do that if it is needed because of any technological reason. **HERCULES 1603** is also recommended for the crude oil treatment in oilfield.

Dosage:

The dosage rate of **HERCULES 1603** depends on certain requirements for crude oil residual salt content, the amount of washwater used in crude, electric field and others. The typical dosage rates is in range of 1 - 4 grams of crude oil mt. If the demulsifier is used in heater treater, then the dosage rate is higher.

Solubility:

HERCULES 1603 is soluble in crude oil and in aromatic solvent.

| Physical chemical data: | Grade A | Grade B | Grade C |
|--|--|---------|---------|
| Appearance: | Homogenous clear liquid Light yellow to brown | | |
| Kinematic viscosity at 20°C, mm ² /c, not more: | 100 | | |
| Solids content, %, not less than | 24 | | |
| Pour Point, °C, not above: | - 40 | | |

Safety data:

SDS for **HERCULES 1603** is available upon request.

Packaging:

HERCULES 1603 is supplied in 216 L steel drums, or in bulk.

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