

Product Information

GURODEM-100

Non-Emulsifier / Demulsifier

Field of Usage

The product GURODEM-100 prevents the emulsification of aqueous fracturing fluids in crude oil and speeds up the separation of water-in-oil emulsions (w/o) with a medium content of salt as well. The product is suitable for acid fracturing fluids / acid treatment too. If a primary better discharge of salt, a more accurate interface or a special dilution of that non-emulsifier / demulsifier are wanted, we customise the demulsifier by changing the formulation according to your requirements.

Attributes

For water-in-oil emulsions the product GURODEM-100 leads to an aggregation of the smallest water drops by impact of surface energy. The product prevents the emulsion formation and speeds up effectively the demulsification respectively. It is dilutable with organic fluids and it can be well emulsified in water by dilutions of 1 : 50 at least. The active matter is adjusted for a good prevention of emulsions, and for a fast demulsification as well. It provides a satisfying demineralisation from the oil fraction. The product is resistant under acid and alkaline conditions. An insignificant clouding represent not a abatement of quality.

Components

The product GURODEM-100 is a mixture of modified phenol resins with alkoxyated polymers, demulsifying agents and non ionic surfactants in a alcohol-hydrocarbon mixture.

Application

Depending on temperature conditions the product GURODEM-100 is used in aqueous fracturing fluids in a concentration of about 0.15 % (40 - 80 °C) and for other demulsification / demineralisation in a concentration of 50 - 200 ppm (100 - 120 °C) respectively. Too strong concentrations could lead to aggravation of the demulsification. For a more precise dosage and for a better distribution the dilution with water (1 : 100 to 1 : 1000) is recommended.

Basically the effective demulsification is an optimisation exercise at which every water-in-oil emulsion offers its own characteristic. Before using we recommend to carry out corresponding tests and the variation of the parameters concentration, pH-value, breaking-time und temperature.

Physical Properties

Density: 0.81 - 0.84 g / cm³

Freezing point: < -35 °C

Flashing point: >15 °C

Delivery Form

190 liters in steel drums. 925 liters in containers (IBC).

DIN / ISO 9001 accredited manufacturer.

This information is based on our present state of knowledge and is intended to provide general notes on this product and its use. It should therefore not be construed as guaranteeing specific properties of the product described and does not justify a contractual legal relationship. The user basically accounts for using this product. It is only assigned for commercial usage.

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