

**GEL OF AN APOLAR MEDIUM, ITS USE FOR THE PREPARATION
OF WATER-BASED DRILLING FLUIDS**

Abstract

The invention relates to a gel made of apolar medium including:

- an apolar medium,
- a "multichain" liquid surface-active agent in acidic form, soluble or dispersible in the said apolar medium,
- an agent for neutralizing the said "multichain" surface-active agent,
- from 0.2 to 5 molecules of water per molecule of "multichain" surface-active agent,
- optionally at least one emulsifying agent and/or a solid filler which is soluble or insoluble in the apolar medium.

This gel may be employed for the formulation of water-based drilling fluids.

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