

Role of Surfactants in the Formation of Gas Hydrates

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ABSTRACT

The surfactants like sodium do decyl sulphate, tritonx, turgitol, etc. permote the formation of gas hydrates. The various kind of surfactant has been studied in literature for the formation of gas hydrates of natural gas, carbon dioxide, methane, ethane etc. These surfactant acts as promoter in the concentration on ppm. They reduce the surface tension and form micelle which enhances the formation of gas hydrates.