

## Characteristics of surfactants interaction at the water/oil interface in developing microemulsion systems

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### Abstract

The paper highlights the research issues of non-ionic surfactants derived from fatty acids, which are widely used in the cosmetic and pharmaceutical industries. The parameters of the interfacial layer at the water/nonpolar and polar oil have been studied. The parameters of the surfactant interaction in the mixture have been defined. The phase diagrams of water and of organic systems based on oils of different polarity were plotted.