



## Influence of additives on microstructure of reverse micelles

By Surinder Mehta

LAP Lambert Acad. Publ. Jan 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x12 mm. This item is printed on demand - Print on Demand Neuware - The dynamics of nanometer sized water droplets have attracted a great deal of attention in recent years. The model system for such studies is water-in-oil (w/o) microemulsion, comprising of water droplets in a non-polar fluid and stabilized by the surfactant. One of the aspects in current research on microemulsion concerns the high solubilization of additives and green synthesis in microemulsion media. The effect of solubilized additives on the microemulsion varies according to the structures of the components. Such changes, however, are often greater than those found in aqueous solutions. Therefore, due care must be exercised in evaluating the effects of even small additions on the aggregation characteristics of surfactants in aqueous solvents. This book is a comprehensive reference that describes microemulsion as a media for solubilization and synthesis. The information is important for better understanding of chemistry and mechanics of organic catalysis, as a probe for studying the mechanistic aspects of many reactions, and as a route to improve yields in reactions of academic interest. 196 pp. English.



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