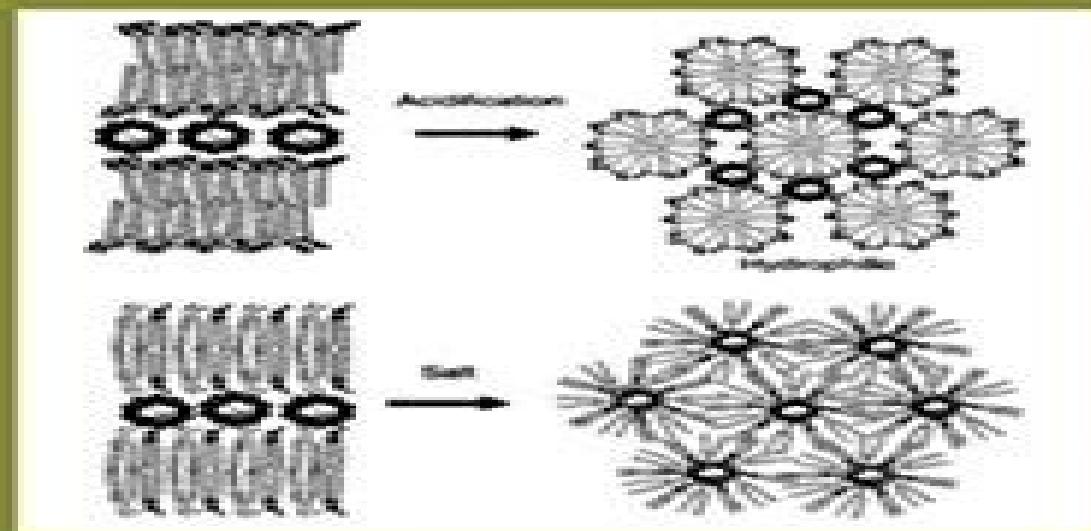


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SUGAR-BASED SURFACTANTS

Fundamentals and Applications



edited by
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Sugar Based Surfactants Fundamentals And Applications Surfactant Science

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Naveed,2012-03-23 Chemical engineering applications have been a source of challenging optimization problems in terms of economics and technology The goal of this book is to enable the reader to get instant information on fundamentals and advancements in chemical engineering This book addresses ongoing evolutions of chemical engineering and provides overview to the sate of the art advancements Molecular perspective is increasingly important in the refinement of kinetic and thermodynamic molding As a result much of the material was revised on industrial problems and their sophisticated solutions from known scientists around the world These issues were divided in to two sections fundamental advances and catalysis and reaction engineering A distinct feature of this text continues to be the emphasis on molecular chemistry reaction engineering

and modeling to achieve rational and robust industrial design Our perspective is that this background must be made available to undergraduate graduate and professionals in an integrated manner Colloids in Biotechnology Monzer Fanun,2010-09-17 Colloids show great potential in a wide variety of applications including drug delivery and medical imaging and the design and fabrication of colloid systems has attracted considerable interest in the research community Colloids in Biotechnology describes developments in the field of biotechnological applications in the past decade and bridges t

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basics or on very specific subtopics this text meets the need for a comprehensive survey of surfactants and their properties with a strong emphasis on applications and their correlation to the fundamentals The author covers their classification physical properties phase behavior adsorption effects such as wetting spreading and adhesion as well as industrial applications in personal care and cosmetics pharmaceuticals agrochemicals and food products Professor Tadros is a well known expert on the topic of surfactants with much experience in colloid science Here he uses his industrial experience to close the gap between fundamentals of surfactants and their relevance and applications in practice *Sugar-Based Surfactants for Pharmaceutical Protein Formulations* Lars Schiefelbein,2011-07-25 Nonionic Surfactants Sugar Based Surfactants Alkylpolyglucosides Protein Formulations *Novel Surfactants* Krister Holmberg,2003-07-03 Extensively revised and expanded this timely reference discusses the synthesis properties and potential applications of popular and emerging surfactant compounds and systems This reference reflects current research trends in green surfactants the production of surfactants using biotechnological methods and surfactants based on natural building blocks Offering nearly 2000 valuable references the Second Edition contains five new chapters analyzing aspects of natural surfactants and examines surfactants produced by microorganisms surfactant types based on sugar as hydrophilic building block and surfactant classes based on fatty acids as hydrophobic building block *Bibliography of Agriculture* ,1989-05

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