



Applied Surfactants: Principles and Applications

By Tharwat F. Tadros

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While currently available titles either focus on the 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.

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Editorial Review

Review

"This book provides a rich...source of information, especially for the industrial chemist who wishes to learn more about this fascinating world. ...this work will be consulted frequently by the practicing industrial surfactant chemist."

Angewandte Chemie

"This handbook 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, but also effects, such as wetting, spreading and adhesion, as well as industrial applications in personal care and cosmetics, pharmaceuticals, agrochemicals and food products. The author is a well-known expert on the topic of surfactants, with much experience in colloid science. In this volume, he uses his industrial experience to close the gap between the already published fundamentals of surfactants and their application in practice. Therefore, this book is recommended as a useful guideline for all scientists working in academics or industry with surface-active substances, especially in research and development. Together with 'Emulsions, Foams and Suspensions' written by Laurier L. Schramm and also published by Wiley-VCH this year, it is a basic platform for very special investigations in the interesting field of surfactants, such as sustainable enrichment of valuable plant ingredients by foaming for their further use as drugs or food additives."

AFS: Advances in Food Sciences

Review

"Dr. Tadros is a very well recognized individual in the surface chemistry community and is known to write well."

—Prof. Krister Holmberg, Chalmers University, Göteborg, Sweden

"The author is a well-known expert on surfactant materials."

—University of Essen, Germany

"Professor Tadros is a well-known expert on the topic of surfactants. Because of his industrial experience it might be possible to close the gap between fundamentals of surfactants and their relevance and applications in the practice."

—Dr. Oetter, BASF AG, Ludwigshafen, Germany

"Dr. Tadros is well-known in the field of colloid science. A book of high quality can be expected."

—University of Bayreuth, Germany

"Dr. Tadros is a well-known scientist in emulsion and rheology science who can write about fundamentals and applications of surfactants."

(Yokohama National University, Japan)

"The author is a well-known scientist in this field with a long experience in colloid science."

—Henkel KGaA, Düsseldorf, Germany

From the Back Cover

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Users Review

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Angela Jones:

The book Applied Surfactants: Principles and Applications gives you the sense of being enjoy for your spare time. You need to use to make your capable a lot more increase. Book can for being your best friend when you getting stress or having big problem along with your subject. If you can make studying a book Applied Surfactants: Principles and Applications for being your habit, you can get much more advantages, like add your capable, increase your knowledge about a few or all subjects. You may know everything if you like available and read a reserve Applied Surfactants: Principles and Applications. Kinds of book are several. It means that, science publication or encyclopedia or other folks. So , how do you think about this book?

Rene Defeo:

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Glenna Monaghan:

The reason why? Because this Applied Surfactants: Principles and Applications is an unordinary book that the inside of the publication waiting for you to snap this but latter it will distress you with the secret it inside. Reading this book adjacent to it was fantastic author who else write the book in such remarkable way makes the content within easier to understand, entertaining technique but still convey the meaning totally. So , it is good for you because of not hesitating having this any more or you going to regret it. This phenomenal book will give you a lot of benefits than the other book get such as help improving your skill and your critical thinking technique. So , still want to hold up having that book? If I had been you I will go to the e-book store hurriedly.

Patricia Rivera:

Applied Surfactants: Principles and Applications can be one of your starter books that are good idea. We all recommend that straight away because this publication has good vocabulary that will increase your knowledge in language, easy to understand, bit entertaining but nonetheless delivering the information. The writer giving his/her effort that will put every word into pleasure arrangement in writing Applied Surfactants: Principles and Applications nevertheless doesn't forget the main position, giving the reader the hottest along with based confirm resource info that maybe you can be among it. This great information can easily drawn you into completely new stage of crucial pondering.

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