



 [Get Print Book](#)

Multiple Emulsion: Technology and Applications

From Wiley-Interscience



Download



Read Online

Multiple Emulsion: Technology and Applications From Wiley-Interscience

The Comprehensive, Single-Source Reference on Multiple Emulsions

In theory, multiple emulsions have significant potential for breakthrough applications in food, agricultural, pharmaceutical, nutraceutical, and cosmetic industries in which they can facilitate the sustained release and transport of active material. However, in practice, multiple emulsions are thermodynamically unstable. This book presents recent findings that can help formulators understand how to enhance their stability. With chapters contributed by leading experts from around the world, it covers the definition and properties of multiple emulsions, their formation and stability, and potential applications, with an emphasis on medical and pharmaceutical applications. In one definitive resource, it presents recent findings and achievements in the field, including:

New theoretical approaches and modeling to characterize the transport mechanism

Droplet size reduction and increased shelf life stability through the use of polymeric amphiphiles and complex adducts

The use of new emulsification techniques to enhance the monodispersibility of the droplets

Potential applications in drug delivery systems where clinical studies have proven their efficacy

This is a core, hands-on reference for surface and colloid scientists, physical chemists, chemical engineers, soft materials scientists, food chemists, controlled release scientists, and pharmaceutical scientists in drug delivery applications, as well as for graduate students in these disciplines. The editor and contributors hope this logical consolidation of current information will further the understanding of multiple emulsions and lead to new, practical applications.



[Download Multiple Emulsion: Technology and Applications ...pdf](#)



[Read Online Multiple Emulsion: Technology and Applications ...pdf](#)

Multiple Emulsion: Technology and Applications

From Wiley-Interscience

Multiple Emulsion: Technology and Applications From Wiley-Interscience

The Comprehensive, Single-Source Reference on Multiple Emulsions

In theory, multiple emulsions have significant potential for breakthrough applications in food, agricultural, pharmaceutical, nutraceutical, and cosmetic industries in which they can facilitate the sustained release and transport of active material. However, in practice, multiple emulsions are thermodynamically unstable. This book presents recent findings that can help formulators understand how to enhance their stability. With chapters contributed by leading experts from around the world, it covers the definition and properties of multiple emulsions, their formation and stability, and potential applications, with an emphasis on medical and pharmaceutical applications. In one definitive resource, it presents recent findings and achievements in the field, including:

New theoretical approaches and modeling to characterize the transport mechanism

Droplet size reduction and increased shelf life stability through the use of polymeric amphiphiles and complex adducts

The use of new emulsification techniques to enhance the monodispersibility of the droplets

Potential applications in drug delivery systems where clinical studies have proven their efficacy

This is a core, hands-on reference for surface and colloid scientists, physical chemists, chemical engineers, soft materials scientists, food chemists, controlled release scientists, and pharmaceutical scientists in drug delivery applications, as well as for graduate students in these disciplines. The editor and contributors hope this logical consolidation of current information will further the understanding of multiple emulsions and lead to new, practical applications.

Multiple Emulsion: Technology and Applications From Wiley-Interscience Bibliography

- Sales Rank: #4309397 in Books
- Published on: 2007-11-12
- Original language: English
- Number of items: 1
- Dimensions: 9.55" h x .95" w x 6.40" l, .0 pounds
- Binding: Hardcover
- 326 pages



[Download Multiple Emulsion: Technology and Applications ...pdf](#)

 [Read Online Multiple Emulsion: Technology and Applications ...pdf](#)

Editorial Review

From the Back Cover

The Comprehensive, Single-Source Reference on Multiple Emulsions

In theory, multiple emulsions have significant potential for breakthrough applications in food, agricultural, pharmaceutical, nutraceutical, and cosmetic industries in which they can facilitate the sustained release and transport of active material. However, in practice, multiple emulsions are thermodynamically unstable. This book presents recent findings that can help formulators understand how to enhance their stability. With chapters contributed by leading experts from around the world, it covers the definition and properties of multiple emulsions, their formation and stability, and potential applications, with an emphasis on medical and pharmaceutical applications. In one definitive resource, it presents recent findings and achievements in the field, including:

New theoretical approaches and modeling to characterize the transport mechanism

Droplet size reduction and increased shelf life stability through the use of polymeric amphiphiles and complex adducts

The use of new emulsification techniques to enhance the monodispersibility of the droplets

Potential applications in drug delivery systems where clinical studies have proven their efficacy

This is a core, hands-on reference for surface and colloid scientists, physical chemists, chemical engineers, soft materials scientists, food chemists, controlled release scientists, and pharmaceutical scientists in drug delivery applications, as well as for graduate students in these disciplines. The editor and contributors hope this logical consolidation of current information will further the understanding of multiple emulsions and lead to new, practical applications.

About the Author

Abraham Aserin, PhD, is a researcher at the Casali Institute of Applied Chemistry at the Hebrew University of Jerusalem, Israel. His research is focused on many practical facets of surfactant chemistry, such as emulsions, microemulsions, lyotropic liquid crystals, dispersions, and improvement of drug bioavailability. Dr. Aserin received BSc and MSc degrees from the Hebrew University of Jerusalem, Israel, in 1978 and 1981, respectively. He earned his PhD in surfactant chemistry there in 1987 under the supervision of Professor Nissim Garti.

Users Review

From reader reviews:

Wilma Hines:

Throughout other case, little people like to read book Multiple Emulsion: Technology and Applications. You

can choose the best book if you'd prefer reading a book. Given that we know about how is important a new book Multiple Emulsion: Technology and Applications. You can add knowledge and of course you can around the world with a book. Absolutely right, simply because from book you can learn everything! From your country until finally foreign or abroad you will be known. About simple matter until wonderful thing you are able to know that. In this era, we could open a book or perhaps searching by internet unit. It is called e-book. You need to use it when you feel bored to go to the library. Let's examine.

Susie Vadnais:

Book is usually written, printed, or illustrated for everything. You can know everything you want by a e-book. Book has a different type. As we know that book is important thing to bring us around the world. Alongside that you can your reading talent was fluently. A publication Multiple Emulsion: Technology and Applications will make you to possibly be smarter. You can feel a lot more confidence if you can know about every little thing. But some of you think that open or reading some sort of book make you bored. It is not necessarily make you fun. Why they are often thought like that? Have you looking for best book or ideal book with you?

Stella Carpenter:

Now a day individuals who Living in the era exactly where everything reachable by interact with the internet and the resources included can be true or not involve people to be aware of each facts they get. How people have to be smart in receiving any information nowadays? Of course the answer is reading a book. Reading through a book can help folks out of this uncertainty Information specially this Multiple Emulsion: Technology and Applications book because book offers you rich data and knowledge. Of course the knowledge in this book hundred pct guarantees there is no doubt in it you know.

Sidney Robertson:

It is possible to spend your free time to see this book this e-book. This Multiple Emulsion: Technology and Applications is simple to deliver you can read it in the park your car, in the beach, train and also soon. If you did not include much space to bring often the printed book, you can buy typically the e-book. It is make you simpler to read it. You can save typically the book in your smart phone. Therefore there are a lot of benefits that you will get when you buy this book.

Download and Read Online Multiple Emulsion: Technology and Applications From Wiley-Interscience #Y2X57H0T9PW

Read Multiple Emulsion: Technology and Applications From Wiley-Interscience for online ebook

Multiple Emulsion: Technology and Applications From Wiley-Interscience Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Multiple Emulsion: Technology and Applications From Wiley-Interscience books to read online.

Online Multiple Emulsion: Technology and Applications From Wiley-Interscience ebook PDF download

Multiple Emulsion: Technology and Applications From Wiley-Interscience Doc

Multiple Emulsion: Technology and Applications From Wiley-Interscience Mobipocket

Multiple Emulsion: Technology and Applications From Wiley-Interscience EPub