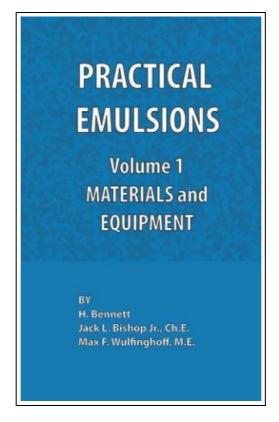
Practical Emulsions, Volume 1, Materials and Equipment (Hardback)



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Reviews

Very helpful for all class of people. Sure, it is actually play, nonetheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Carole McClure)

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Chemical Publishing Co Inc., U.S., United States, 1968. Hardback. Book Condition: New. 3rd. 249 x 155 mm. Language: English . Brand New Book ****** Print on Demand ******.CONTENTS - INTRODUCTION - 1. BASIC CONSIDERATIONS - Solutions-Suspensions-Emulsions-Surface Activity - 2. PROPERTIES OF EMULSIONS - Particle size and arrangement; Rheology; Micelle Theory; Stability and Interfacial Phenomena; Causes of Unstable Emulsions - 3. INGREDIENTS AND ADDITIVES - Surfactants-Emulsifying Agents; Wetting Agents; Foamers; Protective Colloids; Preservatives - 4. ANALYSIS AND TESTING OF EMULSIONS - Type of Emulsion; Density; Viscosity; Surface Tension; Particle Size; Water; PH-Color OdorCorrosion; Stability; Performance; Analytical Procedures; ASTM Specifications - 5. TECHNIQUES OF EMULSIFICATION - English Method-Continental Method - 6. EMULSIFYING EQUIPMENT - Low-Shear-High-Shear-Rotor-Stator; Pressurized Fluid; Vibrational Devices; Laboratory Equipment - 7. EMULSION PLANTS AND PRODUCTION MACHINERY - Over-all Plan; Modes of Operation; Power Requirements; Mixing Tanks; Pumps; Conveyors; Materials of Construction; Instrumentation; Packaging - 8. SELECTED TOPICS - Formulation of Emulsions-HLB-Biodegradability - Regulations - BIBLIOGRAPHY - LIST OF EMULSIFYING AGENTS - SUPPLIERS OF EMULSIFYING AGENTS - GLOSSARY - INDEX - Introduction - Emulsions, though not new, are finding new and wider applications daily. One of the first references to emulsions was recorded by Galen (131-c.201), the Greek physician. Beginning with that early reference to the emulsifying power of beeswax, the art and science of emulsification has flourished. Emulsions are prepared and used for a variety of reasons. As oil paint cannot be applied to a damp surface, it is emulsified in water. The oil paint, then, in the form of an emulsion, can be applied to a damp surface. Therefore, the emulsion can change the application characteristics of a material. Water is a desirable, cheap diluent, and an emulsion is an easy method of using water to dilute materials th



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