

CONTENTS

	Page
1. Mixed Surfactant Systems: An Overview	2
2. Modeling Mixed Surfactant Systems: Basic Introduction	31
3. Terminology for Describing Thermodynamic Properties of Nonideal Mixed Micellar Systems	45
4. Miscellization of Binary Surfactant Mixtures : Theory	54
5. Molecular-Thermodynamic Theory of Mixed Micellar Solutions	96
6. Modeling Polydispersity in Multicomponent Nonideal Mixed Surfactant Systems	114
7. Thermodynamics of Mixed Micelle Formation: Solutions of a Cationic Surfactants, A Sulphobetaine, and Electrolyte	128
8. Physicochemical Properties of Mixed Surfactant Systems	142
9. Ionic-Nonionic Interactions in the Partitioning of Polydistributed Nonionic Surfactants	165
10. Interface of Mixed Micellers Formed of Anionic-Cationic and Ionic-Nonionic Surfactants:Electron Spin Studies	180
11. Interaction of Alcohols and Ethoxylated Alcohols with Anionic and Cationic Micelles	194
12. Lipase Catalysis of Reactions in Mixed Micelles	210
13. Binding of Bromide Ion to Mixed Cationic-Nonionic Micelles: Effects on Chemical Reactivity	227
14. Antimixing Micelles of Dimethyldodecylamineoxide and Nonionic Surfactants	234
15. Micellization in Mixed Fluorocarbon-Hydrocarbon Surfactant Systems	244
16. Coexisting Mixed Micelles: Pulse Radiolysis Studies	255
17. NMR Spectroscopic and Neutron Scattering Studies on Ammonium Decanoate-Ammonium Perfluorooctanoate Mixtures	268
18. Interactions between Siloxane Surfactants and Hydrocarbon Surfactants	278
19. Mixed Micelles with Bolaform Surfactants	292
20. Mixed Systems of Bile Salts: Micellization and Monolayer Formation	301
21. Synergism in Binary Mixtures of Surfactants at Various Interfaces	316
22. Nonideality at Interfaces in Mixed Surfactant Systems	327
23. Compositions of Langmuir Monolayers and Langmuir-Blodgett Films with Mixed Counterions	342
24. Adsorption from Aqueous Binary Surfactant Mixtures onto the Solid-Liquid Interface: A Kinetic Study with Attenuated Total Reflection and Fourier Transform Infrared Spectroscopies	354
25. Thermodynamic Study of Adsorption of Anionic-Nonionic Surfactant Mixtures at the Alumina-Water Interface	366
26. Irreversible Adsorption of Poly(isobutenyl)-succinimide Dispersants onto Calcium Alkylarylsulfonate Colloids	377
27. Precipitation of Mixtures of Anionic Surfactants	392
28. Effects of Structure on the Properties of Pseudononionic Complexes of Anionic and Cationic Surfactants	402
29. Magnetic Resonance of Phospholipids in Mixed Micelles and Membranes	416
Author Index	440
Affiliation Index	440
Subject Index	441