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Nota di contenuto	Formulation of Disperse Systems; Contents; Preface; Chapter 1 General Introduction; 1.1 Suspensions; 1.2 Latexes; 1.3 Emulsions; 1.4 Suspoemulsions; 1.5 Multiple Emulsions; 1.6 Nanosuspensions; 1.7 Nanoemulsions; 1.8 Microemulsions; 1.9 Pigment and Ink Dispersions; 1.10 Foams; References; Chapter 2 Surfactants Used in Formulation of Dispersions; 2.1 General Classification of Surface-Active Agents; 2.1.1 Anionic Surfactants; 2.1.1.1 Carboxylates; 2.1.1.2 Sulphates; 2.1.1.3 Sulphonates; 2.1.1.4 Phosphate-Containing Anionic Surfactants; 2.1.2 Cationic Surfactants 2.1.3 Amphoteric (Zwitterionic) Surfactants2.1.4 Nonionic Surfactants; 2.1.4.1 Alcohol Ethoxylates; 2.1.4.2 Alkyl Phenol Ethoxylates; 2.1.4.3 Fatty Acid Ethoxylates; 2.1.4.4 Sorbitan Esters and Their Ethoxylated Derivatives (Spans and Tweens); 2.1.4.5 Ethoxylated Fats and Oils; 2.1.4.6 Amine Ethoxylates; 2.1.4.7 Amine Oxides; 2.1.5 Specialty Surfactants; 2.1.5.1 Fluorocarbon and Silicone Surfactants; 2.1.5.2 Gemini Surfactants; 2.1.5.3 Surfactants Derived from Monosaccharides and Polysaccharides; References; Chapter 3 Physical Chemistry of Surfactant Solutions and the Process of Micellisation

Sommario/riassunto

This book presents comprehensively the science and technology behind the formulation of disperse systems like emulsions, suspensions, foams and others. Starting with a general introduction, the book covers a broad range of topics like the role of different classes of surfactants, stability of disperse systems, formulation of different dispersions, evaluation of formulations and many more. Many examples are included, too. Written by the experienced author and editor Tharwart Tadros, this book is indispensable for every scientist working in the field.