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Nota di contenuto	Frontmatter -- Preface -- Contents -- 1. General introduction -- 2. Classification of surfactants, their solution properties and self-assembly structures -- 3. General classification of polymeric surfactants and their solution properties -- 4. Adsorption of surfactants at the liquid/liquid interface -- 5. Surfactant adsorption at the solid/liquid interface -- 6. Adsorption and conformation of polymeric surfactants at interfaces -- 7. Electrostatic stabilization of dispersions -- 8. Interaction between particles or droplets containing adsorbed polymer layers and the theory of steric stabilization -- 9. Flocculation of dispersions -- 10. Ostwald ripening in dispersions and its prevention -- 11. Emulsion coalescence and its prevention -- 12. Phase inversion and its prevention -- 13. Sedimentation of suspensions, creaming of emulsions and their prevention -- 14. Flow characteristics (rheology) of formulations -- Index
Sommario/riassunto	Volume 1 of Formulation Science and Technology is a survey of the theory of formulations in a variety of fields, as well as their rheological characterization. It offers in-depth explanations for research scientists, universities, and industry practitioners looking for a complete understanding of how different formulations behave and how to influence their performance.

