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Nota di contenuto	Handbook of Fluorous Chemistry; Contents; Preface; Contributors; 1 Fluorous Chemistry: Scope and Definition; 1.1 The Birth of a Term; 1.2 The Definition of Fluorous Today; 1.3 Other Definitions within the Fluorous Repertoire; 1.4 Present Scope of Fluorous Chemistry; References; 2 A Personal View of the History of Fluorous Chemistry; References; 3 Fluorous Solvents and Related Media; 3.1 Introductory Remarks; 3.2 Commercial Fluorous Solvents; 3.3 Related Solvents and Media; 3.3.1 Amphiphilic or Hybrid Solvents; 3.3.2 Fluorous Ionic Liquids; 3.3.3 "Faux Fluorous" Solvents 3.3.4 Fluorous Greases3.3.5 Bonded Fluorous Phases; 3.4 Polarities of Fluorous Solvents; 3.5 Solubilities of Solutes in Fluorous Solvents; 3.5.1 General Aspects; 3.5.2 Gas Solubilities; 3.6 Fluorous/Non-fluorous Solvent Miscibilities; 3.7 Special Reactivity Phenomena in Fluorous Solvents; References; 4 Strategies for the Recovery of Fluorous Catalysts and Reagents: Design and Evaluation; 4.1 Introduction; Basic Recycling Concepts; 4.2 Fluorous/Non-Fluorous Liquid/Liquid Biphasic

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4.5.2 Other Approaches; 4.6 Fluorous Catalysis Without Solvents; 4.7
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7.2.1 Fluorous Solid Phase Extraction and its Relationship to
Chromatography and Liquid/Liquid Extraction

Sommario/riassunto

Edited by the leading experts John Gladysz, Dennis Curran, and István Horváth, this handbook is the first to summarize all the essential aspects of this emerging field of chemistry. Whether the reader is seeking an introduction to the concept of fluorous biphasic catalysis, summaries of partition coefficients involving fluorous and organic solvents, or information on the latest fluorous mixture separation techniques, this authoritative compilation of contributions, written by the world's top authors, provides key information needed for successfully working with the diverse and fascinating family
