

Sasol Olefins Surfactants Sasoltechdata

Authored by a team of respected scientists and technologists, this book covers many pharmaceutical and biotechnology separations methods currently in use. Practical applications and descriptions are offered for air elutriation, microporous filtration, ultrafiltration, phase partitioning, crystallization, and chromatographic technologies such as adsorption, affinity, chelate, ion-exchange, size-exclusion, template, hydrophobic interaction, biotransformations, and chiral separations. Containing hundreds of references and a complete index, this book is designed for research and development scientists, process optimization engineers, and quality control laboratory scientists as well as quality assurance professionals and others needing to understand current separation techniques.

This two-volume book on biomass is a reflection of the increase in biomass related research and applications, driven by overall higher interest in sustainable energy and food sources, by increased awareness of potentials and pitfalls of using biomass for energy, by the concerns for food supply and by multitude of potential biomass uses as a source material in organic chemistry, bringing in the concept of bio-refinery. It reflects the trend in broadening of biomass related research and an increased focus on second-generation bio-fuels. Its total of 40 chapters spans over diverse areas of biomass research, grouped into 9 themes.

Industrial Applications of Surfactants IVElsevier

Environmental considerations are increasingly shaping the development of many industries. This is an overview of surfactants and the environment. It goes on to look at new surfactants derived from renewable, "natural" resources such as sucrose, seaweed and starch. Other chapters review a decade of change in the surfactant industry and assess future market trends. Some of the developments in surfactant technology are presented, including "gemini" twin-chained surfactants, sulfobetaines, alkyl phosphates and the use of alkyl alkoxylates and alkyl glucosides in highly alkaline solutions. The volume takes a practical approach throughout.

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