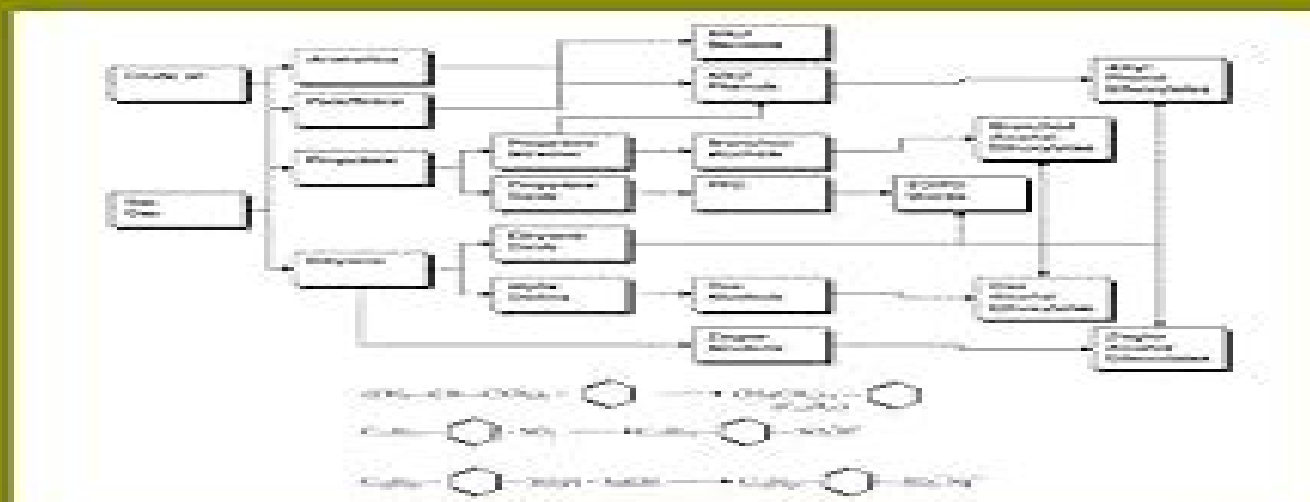


surfactant science series

volume **142**

HANDBOOK OF DETERGENTS

Part F: Production



edited by
Uri Zoller
co-editor
Paul Sosis



CRC Press
Taylor & Francis Group

Handbook Of Detergents Part F Production Surfactant Science

Clemens Wendtner



Handbook Of Detergents Part F Production Surfactant Science:

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Surfactants are ubiquitous and have applications in diverse areas including food cosmetics detergents lubricants enhanced oil recovery EOR and targeted drug delivery systems Their wide diversity of applications owes to their unique structure namely a hydrophilic and a hydrophobic group present in the same molecule Although most surfactants used industrially are synthetic there is a growing need for natural surfactants as the latter is obtainable from renewable sources and are less toxic and highly biodegradable in contrast to their synthetic counterparts This book is a compilation of interesting articles by various experts that cover various applications of both synthetic and natural surfactants **Chemical Technologies and Processes** Katarzyna Staszak,Karolina Wieszczycka,Bartosz Tylkowski,2020-07-20 This book is essential reading for scientists and students interested in both organic and inorganic chemical technology The authors cover the production of chemical reagents as well as trends from adjacent fields including biotechnology and process simulation Chemical Technologies and Processes is of interest to chemical engineers materials scientists as well as chemists in both academia and industry **Handbook of Detergents, Part B** Uri Zoller,2004-08-30 The second installment of the multivolume Handbook of Detergents deals with the potential environmental impact of detergents as a result of their production formulation usage consumption and disposal This volume forms a comprehensive treatise on the multidimensional issues involved and emphasizes the alignment of scientific knowledge with the relevant contemporary data and methodologies in toxicology ecotoxicology and environmental risk assessment With contributions from over 50 experts worldwide this volume discusses industry procedures involving surfactant and detergent treatments and explores global concerns centering on recent legislative and regulatory developments *Handbook of Cosmetic Science and Technology* André O. Barel,Marc Paye,Howard I. Maibach,2014-04-09 Written by experienced and internationally renowned contributors this is the fourth edition of what has become the standard reference for cosmetic scientists and dermatologists seeking the latest innovations and technology for the formulation design testing use and production of cosmetic products for skin hair and nails New to this fourth e **Sugar-Based Surfactants** Cristóbal Carnero Ruiz,2008-12-09 Touted as the new darling of the chemical industry alkyl polyglycosides are gaining in popularity due to the fact that they are readily biodegradable low toxic and made from renewable resources Sugar Based Surfactants compiles the most recent and relevant aspects of sugar based surfactants including self association phase behavior and interfacial properties Focusing on both colloidal and interfacial science the book deals with the adsorption of surfactants in both the air liquid and solid liquid interfaces It also covers new advances in surfactant science such as the development of a family of potent surface active agents that are non toxic and thus usable in ubiquitous consumer products **BioProducts** Bhima R. Vijayendran,2023-07-04 The book is focused on Bio Products derived from renewable resources processed by conventional catalytic thermochemical processes and or emerging bioprocessing techniques including fermentation and synthetic biology It highlights some of these developments from

discovery lab feasibility scale up and eventual commercialization of interest and value in all the major sectors of the economy

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