

# Sulphonation Technology in the Detergent Industry

by

W. Herman de Groot



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# Sulphonation Technology In The Detergent Industry

**Uri Zoller, Paul Sosis**



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Powdered Detergents Michael Showell,2017-10-06 Facilitating the development of important processes that yield increased deterative performance from smaller dosages this work examines up to date and emerging process and chemical technologies used in the formulation of compact powdered detergents It provides a survey of technological developments fundamental to powder compaction such as the replacement of traditional phosphate builders and the introduction of insoluble zeolites as particle process aids

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Advances in Chemical Engineering Zeeshan Nawaz,Shahid Naveed,2012-03-23 Chemical engineering applications have been a source of challenging optimization problems in terms of economics and technology The goal of this book is to enable the reader to get instant information on fundamentals and advancements in chemical engineering This book addresses ongoing evolutions of chemical engineering and provides overview to the state of the art advancements Molecular perspective is increasingly important in the refinement of kinetic and thermodynamic modeling As a result much of the material was revised on industrial problems and their sophisticated solutions from known scientists around the world These issues were divided in to two sections fundamental advances and catalysis and reaction engineering A distinct feature of this text

continues to be the emphasis on molecular chemistry reaction engineering and modeling to achieve rational and robust industrial design Our perspective is that this background must be made available to undergraduate graduate and professionals in an integrated manner

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A Practical Guide to the Manufacture of Sulfuric Acid, Oleums, and Sulfonating Agents Navin G. Ashar, Kiran R. Golwalkar, 2013-11-23 This critical volume provides practical insights on sulfuric acid and related plant design and on techniques to improve and enhance substantially the efficiency of an existing plant by means of small modifications The book provides readers with a better understanding of the state of art in sulfuric acid manufacture as well as importantly in the manufacture of value added products based on sulfur that are also associated with the manufacture of sulfuric acid Overall engineers and plant managers will be introduced to technologies for making their sulfuric acid enterprises more productive remunerative and environmentally friendly A Practical Guide to the Manufacture of Sulfuric Acid Oleums and Sulfonating Agents covers sulfuric acid and derivative chemical plant details from the nuts and bolts level to a holistic perspective based on actual field experience The book is indispensable to anyone involved in implementing a sulfuric acid or related chemical plant

**Second World Conference on Detergents** A. R. Baldwin, 1987      **Anionic Surfactants** Helmut W. Stache, 1995-09-13

This work presents a comprehensive survey of important anionic surfactants. It delineates current manufacturing technologies, methods of analysis, practical applications, environmental behaviour, and the physicochemical and toxicological properties of surfactants and their related products. The uses of anionic surfactants in the cleaning of cosmetic, textile, leather, food, petroleum, metalworking, and paper industries are encompassed.      **Toxicology of Contact Hypersensitivity** Ian

Kimber, Thomas Maurer, 1996-02-07. An analysis of allergic contact dermatitis, a common occupational health problem affecting between 5-15% of the workforce. This book considers the condition from the perspective of the toxicologist rather than the dermatologist.      *Kirk-Othmer Encyclopedia of Chemical Technology, Volume 23* Kirk-Othmer, 2006-11-10. The fifth edition of the Kirk-Othmer Encyclopedia of Chemical Technology builds upon the solid foundation of the previous editions which have proven to be a mainstay for chemists, biochemists, and engineers at academic, industrial, and government institutions since publication of the first edition in 1949. The new edition includes necessary adjustments and modernization of the content to reflect changes and developments in chemical technology.      **The Complete Technology Book on Soaps (2nd Revised Edition)** NIIR Board of Consultants & Engineers, 2016-04-08.

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**Encyclopedia of Chemical Technology: Sugar to thin films** Raymond Eller Kirk, 1991. This work contains a library of information for the chemical industry. The 4th edition has undergone a complete revision with the inclusion of many new

subjects which reflect the growth in chemical technology through the 1990s      *American Book Publishing Record* ,1991  
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