

Surfactants & Detergents Publications

Book reviews

Nonionic Surfactants, Physical Chemistry, edited by Martin J. Schick (Surfactant Science Series, Volume 23, Marcel Dekker Inc., New York and Basel, 1987, 1135 pp.)

This book assembles contributions from a large number of active researchers in the field of physical chemistry of surfactants, both from the industry and academic establishments. The reviews are well-written, informative and up-to-date. The topics covered range from surface monolayers to adsorption phenomena, micelles equilibria, macroemulsions, detergency, foaming, polymer-surfactant interactions and structure/dynamics of non-ionic surfactants by nuclear magnetic resonance (NMR) and small-angle neutron scattering.

The small-angle neutron scatter-

ing review by Linda J. Magid is self-contained. Together with the NMR review, this is among the most recent and interesting developments in this rapidly growing field. All the reviews contained in the book provide sufficient detail for a clear understanding of the subject and include the recent progress made in each area. The book may serve not only as a reference source but also as an excellent textbook that can be used by students, especially in the area of thermodynamics of micelle formation.

Other areas of considerable interests are the micelle formation and catalysis in nonaqueous media, the phase equilibria of nonionic surfactants and the formation of microemulsions. The book is very well-organized and has excellent illustrations provided by distinguished international authorities on the subjects covered. This volume covers almost every facet of the physical chemistry of surfactants,

with the emphasis on the experimental rather than theoretical aspects of the field; the exception is the chapter on the thermodynamics of micelle formation.

The book contains 2,500 references to the field's literature and more than 500 tables and diagrams. It is an invaluable and essential source to both applied and basic researchers who have an interest in nonionic surfactants and their applications. Such applications are in a wide variety of industries: pharmaceutical, petroleum, textiles, food, cosmetics.

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Surfactants & Detergents Calendar

1988

March

Society of Cosmetic Scientists' Medal Lecture, March 3, 1988, Royal Society of Arts, London, England. Contact: Society of Cosmetic Scientists, Delaport House, 57 Guildford St., Luton, Beds LU1 2NL, England.

XIXth Meeting of CED/AID on Surfactants, March 9-11, 1988, Granada, Spain. Contact: Secretaría de la Asociación de Investigación de Detergents (AID), Jorge Girona Salgado, 18-26 Edificio Juan de la Cierva, 08034 Barcelona, Spain.

16th Introductory Short Course, "Paint Formulation," March 14-18, 1988, University of Missouri-Rolla, Rolla, Missouri. Contact: Coatings and Polymer Science Program, Department of Chemistry, University of Missouri-Rolla, Rolla, MO 65401-0249.

April

Conformal Coatings Short Course,

April 18-20, 1988, University of Missouri-Rolla, Rolla, Missouri. Contact: Coatings and Polymer Science Program, Department of Chemistry, University of Missouri-Rolla, Rolla, MO 65401-0249.

Society of Cosmetic Scientists, Joint Symposium with the Pharmaceutical Society, "The Formulation of Topical Preparations for Cosmetic and Pharmaceutical Use," Holiday Inn, Bristol, England. Contact: Society of Cosmetic Scientists, Delaport House, 57 Guildford St., Luton, Beds LU1 2NL, England.

May

Physical Testing of Paints and Coatings Short Course, "From Classic Methods to Modern Instrumental Techniques," May 16-20, 1988, University of Missouri-Rolla, Rolla, Missouri. Contact: Coatings and Polymer Science Program, Department of Chemistry, University of Missouri-Rolla, Rolla, MO 65401-0249.

World Surfactants Congress II, "Surfactants in our world—today and tomorrow," May 24-27, 1988, Paris, France. Organized by ASPA, France, and sponsored by the European Committee on Organic Surfactants and Their Intermediates, Avenue Louise 250, Bte. 102, B-1050 Brussels, Belgium.

September

Cosmetic Science '88—Achievements and Aims, 15th International Congress of the International Federation of Societies of Cosmetic Chemists, Sept. 26-29, 1988, Grosvenor House, Park Lane, London, England. Contact: Lorna K. Weston, General Secretary, Society of Cosmetic Scientists, Delaport House, 57 Guildford St., Luton, Beds LU1 2NL, England.