

Surfactants & Detergents Publications

417 pp., \$82.75 US and Canada, \$99.25 elsewhere).

This book, Volume 19 in the Surfactant Science series, complements the established texts on the analysis of surfactants by taking a single-minded approach to the analysis of nonionic surfactants. Beginning with a well-written introduction to nonionic surfactants from a structural point of view, the authors enlarge on both specific and general methods of analysis.

Specific methods refer to analytical procedures useful for the determination of ethoxylates, by far the most predominant nonionic type. An excellent chapter on metal ion complexes of alkoxyolate chains describes the basis for a series of standard titrimetric procedures which are based on the formation of colored complexes. In addition, the chapter provides specific directions for using the individual procedures.

Trace analysis, an important aspect in environmental monitoring, is presented in a separate chapter which treats the essential preconcentration step in commendable detail. Chapters on potentiometry and fission techniques complete the section on specific alkoxyolate methods.

The second part of the volume is devoted to general separational and instrumental methods, including GLC, HPLC, TLC, NMR, IR and MS. The discussions generally are good, with some superior treatment of specific topics. Particularly, the fundamentals underlying the various instrumental methods are summarized succinctly. Anyone looking for a well-written introduction to the fundamentals of NMR spectroscopy will find it in this volume. This chapter, too, provides a good overview of the application of NMR to the study of interfacial parameters such as hydration of alkoxylates as well as micelle formation and structure.

Throughout the volume, the reader is provided not only with descriptions of the individual methods but also—and at times, this is even more important—with the problems and pitfalls.

The final chapter deals with the "simpler" methods useful in quality control operations: hydroxyl values, refractive indices, cloud points and related phenomena.

This book has been carefully edited, with less than a dozen errors and typos. Two minor objections could be raised: the discussion of TLC might have been more extensive and the HPLC chapter would

have benefitted from a more timely update of the literature. Overall, however, this is an excellent addition to the Surfactant Science series and will prove beneficial not only to analytical chemists but also to less specialized readers.

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New books

Nonionic Surfactants: Physical Chemistry, Surfactant Science Series 23, edited by Martin J. Schick, Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1987, 1,160 pp., US \$195, elsewhere \$234.

Surfactants in Emerging Technologies, Surfactant Science Series 26, edited by Milton J. Rosen, Marcel Dekker Inc., 270 Madison Ave., New York NY 10016, 1987, 232 pp., US \$65, elsewhere \$78.

Industrial Applications of Surfactants, Special Publication No. 59, Royal Society of Chemistry, 30 Russell Square, London WC1B 5DT England, 1987, 360 pp., \$37.50 or US \$65.

Surfactants & Detergents Calendar

1987

October

1987 Annual Meeting and Paint Industries' Show, Federation of Societies for Coatings Technology, Oct. 5-7, 1987, Convention Center, Dallas, Texas. Details: Federation of Societies for Coatings Technology, 1315 Walnut St., Philadelphia, PA 19107.

Society of Cosmetic Chemists New York Chapter, Oct. 7, 1987, Robin Hood Inn, Clifton, New Jersey. Topics: Photochemistry—Historical Development, and Liaison Between Product Development and Marketing. Contact: Herman Brown, Chapter Chairman, Finetex Inc., 418 Falmouth

Ave., Elmwood Park, NJ 07407, telephone 201-797-4686.

Escape Weekend, Society of Cosmetic Chemists New York Chapter, Oct. 16-18, 1987, Great Gorge's Mountain View Resort. Technical session on creams and lotions development. Contact: Stu Feldman, Givaudan Corp., 100 Delawanna Ave., Clifton, NJ 07015-5034, telephone 201-365-8295.

15th Introductory Short Course on Paint Formulation, Oct. 19-23, 1987, University of Missouri-Rolla, Rolla, Missouri. Contact: Coatings Continuing Education, Department of Chemistry, University of Missouri-Rolla, 142 Schrenk Hall, Rolla, MO 65401-0249.

All-Day Seminar, Hair—Let's Get to the Root of It, Oct. 21, 1987, Governor Morris Inn, Morristown, New Jersey, sponsored by the Society of Cosmetic Chemists New York Chapter. Contact: Harvey S. Schnur, Seminar Chairman, Felton Worldwide Inc., 599 Johnson Ave., Brooklyn, NY 11237, telephone 718-497-4664.

November

Steel Structures Painting Council annual meeting and technical symposium, Nov. 2-5, 1987, Sheraton World, Orlando, Florida. Technical symposium will be "Improving Field Reliability of Protective Coating Systems."