

Surfactants & Detergents News

The plant has been expanded by more than 50%, to over 450 million pounds, making it the world's largest STPP-producing facility.

Stepan Co. has announced plans to expand capacity by 15% at its Millsdale, Illinois, plant. The expansion will be provided by a new

120 million pound continuous sulfonation/sulfation unit that is scheduled to start up during January 1988. This will bring capacity at Millsdale to 800 million pounds per year.

BASF Corp.'s chemicals division has appointed Kishor Fozdar an

East Coast senior sales representative for the company's personal care products business.

John T. Gould Jr. of Stamford, Connecticut, has been named public affairs director for The Soap and Detergent Association.

Surfactants & Detergents Publications

Book review

Principles of Colloid and Surface Chemistry, 2nd Edition, by Paul C. Hiemenz (Marcel Dekker Inc., 270 Madison Ave., New York, NY 10016, 1986, 840 pp., \$39.75 US and Canada, \$47.50 elsewhere)

This textbook is clearly written and addresses students' needs, with an emphasis on the physical chemistry aspects of disperse systems, macromolecules in suspension, micelles and all that used to be called "colloids." The area covered is very wide, ranging from solution and gas thermodynamics to dilute dispersions, osmotic and Donnan equilibria, surface tension, adsorption phenomena, micelles, light-scattering theory, metal surfaces (microscopy, spectroscopy and diffraction techniques), theoretical treatments of electrostatic and Van der Waals interactions in disperse systems,

and electrokinetic phenomena for macroions and proteins.

The physical phenomena and physical chemistry of the disperse systems covered are presented very well and with sufficient simplicity to be understood readily by the student. Fully worked examples further aid the understanding of the physics involved. Several experimental presentations help illustrate the sometimes involved calculations.

As the author admits, however, the revision has not brought all of the areas covered up-to-date since "lines must be drawn somewhere both to keep the book manageable in size and cost and to have it useful as the basis for a course." Strangely enough, basic aspects that are very important were left out, such as the charge-fluctuation theory of Kirkwood for proteins and the preferential binding of salt to proteins as found by S. Timasheff. This omission has the unfortunate effect of rendering

incomplete the very lengthy and somewhat less important treatment of double-layers and electrostatic interactions between macroions and polyelectrolytes. The danger is that the student may be left with the impression that the "colloid" and surface chemistry can be reduced to the relatively simple and sometimes outdated physical models presented in this attractive textbook.

In spite of these shortcomings, this textbook remains a basic aid to students concerned with disperse systems in the dilute range of concentrations and physical chemistry of dispersions and proteins. It is less useful to surface chemists. The clarity of the book, its excellent organization and examples are unique features not readily found in other textbooks on this subject.

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Surfactants & Detergents Calendar

1988

January

61st Annual Meeting and Industry Convention, Soap and Detergent Association, Jan. 28-31, 1988, Boca Raton Hotel and Club, Boca Raton, Florida. Contact: The Soap and Detergent Association, 475 Park Ave. S., New York, NY 10016.

February

Society of Cosmetic Scientists, Joint Lecture with the British

Society of Perfumers, "An Overview of the Japanese Skin Care Market," Feb. 4, 1988, Royal Society of Arts, London, England. Contact: Society of Cosmetic Scientists, Delaport House, 57 Guildford St., Luton, Beds LU1 2NL, England.

Maintenance Coatings Short Course, "Know Your Paints to Avoid Complaints," Feb. 22-24, 1988, University of Missouri-Rolla, Rolla, Missouri. Contact: Coatings and Polymer Science Program, Department of Chemistry, University of Missouri-

Rolla, Rolla, MO 65401-0249. 54th Introductory Short Course, "The Basic Composition of Coatings," Feb. 29-March 4, 1988, University of Missouri-Rolla, Rolla, Missouri. Contact: Coatings and Polymer Science Program, Department of Chemistry, University of Missouri-Rolla, Rolla, MO 65401-0249.

March

Society of Cosmetic Scientists' Medal Lecture, March 3, 1988,