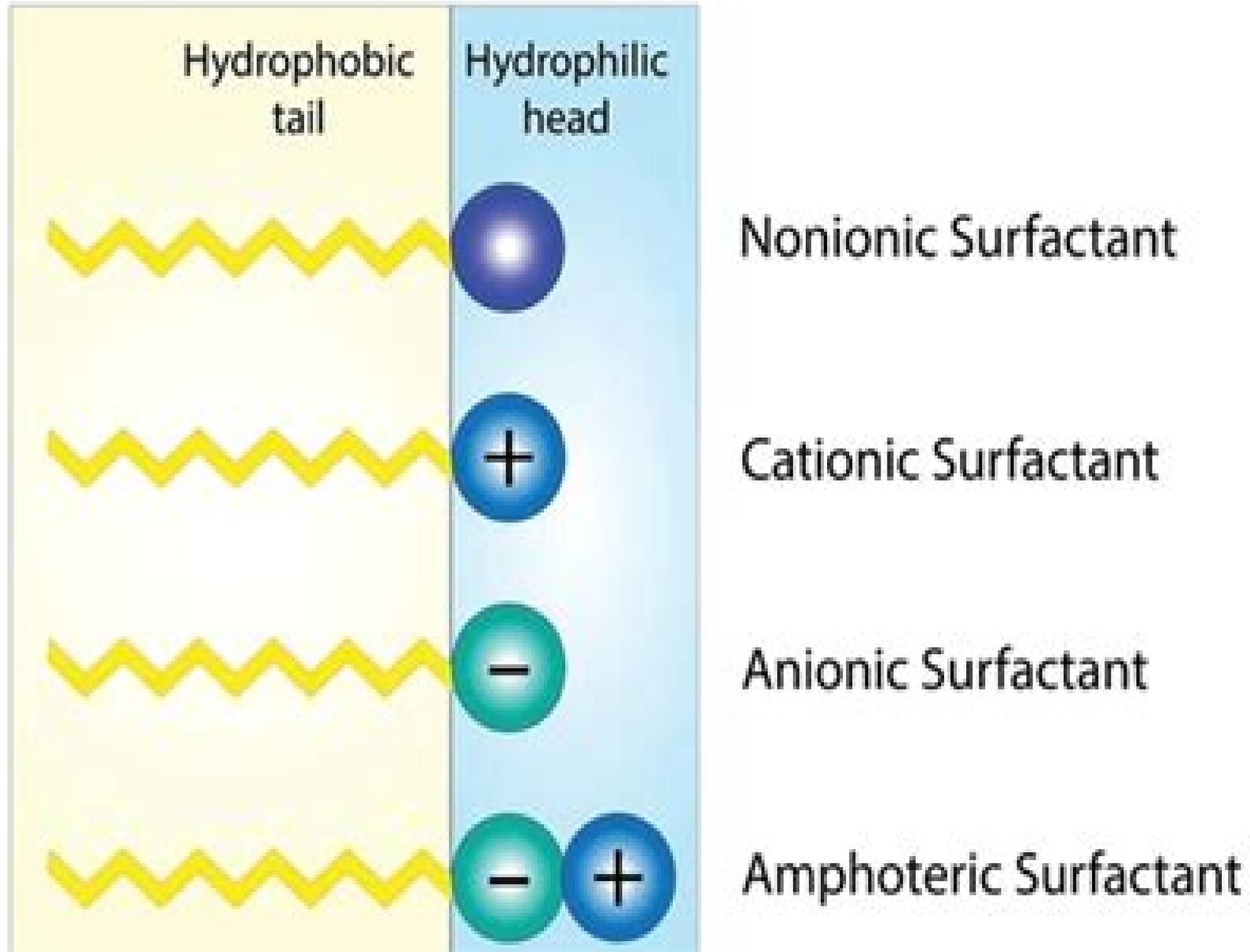


Types of Surfactants



Anionic Surfactants

P. Somasundaran



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Encyclopedia of Surface and Colloid Science - Arthur T. Hubbard,2002-07-18 This comprehensive reference collects fundamental theories and recent research from a wide range of fields including biology biochemistry physics applied mathematics and computer materials surface and colloid science providing key references tools and analytical techniques for practical applications in industrial agricultural and forensic processes as well as in the production of natural and synthetic compounds such as foods minerals paints proteins pharmaceuticals polymers and soaps

Handbook of Detergents, Part E Uri Zoller,2008-10-29 An Examination of Detergent Applications The fifth volume in a six volume project penned by detergent industry experts this segment deals with the various applications of detergent formulations surfactants builders sequestering chelating agents as well as other components These applications are discussed with respect to the scope of their domestic institutional or industrial usages Special focus is given to technological advancement health and environmental concerns and the rapid changes occurring in the field within the past several years With each chapter providing the special access of a pioneering researcher this text offers an insider's look at the most current advances

Analysis of Surfactants, Second Edition Thomas M. Schmitt,2001-01-23 In the tradition of the popular first edition Analysis of Surfactants Second Edition offers a comprehensive and practical account of analysis methods for determining and understanding commercially important surfactants individually and in compounds Combining a complete review of the literature with a variety of evaluation procedures and the specifications for commercial products this useful reference explores the key stages and latest developments for surfactant applications This edition has been thoroughly expanded and features new sections on capillary electrophoresis ether carboxylates and ester quats It is also more globally accessible with foreign language citations and SI units Containing over 2400 references drawings tables and equations Analysis of Surfactants Second Edition is an recommended reference for physical surface colloid and oil chemists analytical research and quality assurance chemists working in the soap and detergent pharmaceuticals and cosmetic industries regulatory and food scientists and upper level undergraduate and graduate students in these disciplines

Anionic Surfactants Warner M. Linfield,1976 *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 by products The uses of anionic surfactants in the cleaning cosmetic textile leather food petroleum metalworking and paper industries are encompassed

Encyclopedia of Surface and Colloid Science P. Somasundaran,2006 **Environmental**

Engineering Lucjan Pawlowski, Marzenna R. Dudzinska, Artur Pawlowski, 2006-11-16 Environmental engineering protects the conditions of a safe environment its role being crucial in eliminating ecological threats It has an interdisciplinary character utilising principles from biology chemistry biochemistry and physics to neutralize pollutants in all facets of the environment Environmental engineering deals with a wide range of technical and technological problems including the design and maintenance of water supply sewage disposal heating ventilation and air conditioning in buildings This proceedings aims to assess the state of scientific research in various areas of environmental engineering to evaluate organizational technical and technological progress in contributing to ecological security and to determine the place of environmental engineering in sustainable development taking into account current political and economic conditions Environmental Engineering is an invaluable source of information and ideas for the international environment engineering scientific community Anionic Surfactants--biochemistry, Toxicology, Dermatology Christian Gloxhuber, 1980

Environmental and Human Safety of Major Surfactants: Anionic surfactants. pt. 1. Linear alkylbenzene sulfonates. pt. 2. Alcohol ethoxy sulfates. pt. 3. Alkyl sulfates, 1991 **A Reconnaissance Study of Anionic Surfactants in Ground Water** Geological Survey (U.S.). Water Resources Division, 1959 *Detergents and the Environment* Milan Johann Schwuger, 1996-09-12 Offers coverage of the environmental behaviour of detergent additives focusing on physiochemical interactions with soil and sediments This text presents the current state of knowledge on recently introduced detergent additives including zeolites polycarboxylate compounds ethylene dinitrilotetraacetic acid EDTA and nitrilotriacetic acid NTA Anionic Surfactants John Cross, 2019-09-10 Presents the most comprehensive coverage available of the detection isolation identification and estimation of all anionic surfactants in a wide variety of samples in trace and macro quantities Features new chapters on volumetric and trace analysis molecular and mass spectroscopy and chromatographic processes The Sedimentation Behavior of Several Insoluble Pharmaceutical Powders in Various Anionic Surfactant Solutions Amy Lou Moore, 1961 **Surfactants and Sequestrants** Sidney Gutcho, 1977 Handbook of Surfactant Analysis Dieter O. Hummel, 2000-04-07 Handbook of Surfactant Analysis Chemical physico chemical and physical methods is a translation of the successful German book *Analyse der Tenside* and incorporates the leading chemical physico chemical and physical methods of surfactant analysis with special emphasis on infrared spectroscopy Since the first edition of *Analyse der Tenside* 1962 no other book has come close to dealing exclusively with the many analytical methods for this important group of substances The scope of this book is broad with coverage not only of analytical data but also of important data relevant to the industrial production and uses of various classes of compounds The fundamental principles and applications of modern spectroscopic and electroanalytical techniques now playing an increasingly important role as routine methods in analytical practice are also described The book is richly and informatively illustrated and includes a comprehensive and up to date bibliography Chapter topics include Structural characteristics and classifications of

surfactants Sample preparation isolation and characterisation of surfactants Detection of interfacially active ions Controlled decomposition Separation of mixtures of surfactants Methods of quantitative analysis of surfactants Spectrometry and electrometry Other physical and physico chemical methods *Recent Developments in the Analysis of Surfactants* M.R. Porter,1991-06-30 *Use of Surfactants in the Petroleum Industry* P. A. Rebinder,1965 **Surfactants, Detergents, and Sequestrants** J. I. DiStasio,1981 **Analysis and Fate of Surfactants in the Aquatic Environment** Thomas P. Knepper,Pim de Voogt,Damià Barceló,2003 An understanding of the fate and behaviour of organic chemicals such as surfactants in the environment is a prerequisite for the sustainable development of human health and ecosystems As surfactants are being produced in huge amounts it is important to have a detailed knowledge about their lifetime in the environment their biodegradability in wastewater treatment plants and in natural waters and their ecotoxicity Parameters relevant for the assessment of long term behaviour such as interactions with hormonal systems need to be understood to avoid unexpected adverse effects to future generations of people and the environment However the identification and quantification of commercial surfactants in the environment is made more complicated and cumbersome because they comprise of tens to hundreds of homologues oligomers and isomers of anionic nonionic cationic and amphoteric compounds The EU funded PRISTINE project Priority surfactants and their toxic metabolites in wastewater effluents An integrated study ENV4 CT97 0494 provides the basis for the content of this title It provides policy makers and industry with detailed information on analysis and concentrations of surfactants and their degradation products in the environment In addition to a general introduction to surfactants this book comprises a comprehensive variety of analytical techniques including sample handling for the analysis of surfactants in the aquatic environment Readers will find all the necessary information for analyzing the different groups of surfactants with special emphasis on transformation products Quality assurance is also reported on in detail Chapters on toxicity and risk assessment are also included and give a complete perspective on the surfactants problem in the aquatic environment

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