

Nonionic Surfactants Alkyl Polyglucosides Surfactant Science

Nonionic Surfactants Handbook of Detergents, Part E Handbook of Detergents, Part F Oilfield Chemistry and its Environmental Impact Sugar-Based Surfactants Alkyl Polyglycosides Mechanical Engineering and Materials Science Trends in Colloid and Interface Science XII Polish Journal of Chemistry Chemistry Zhongguo ke xue Proceedings of California Weed Science Society Encyclopedia of Physical Science and Technology Optimising Pesticide Applications Alkyl Polyglucosides Emulsion Science □ □ □ □ Handbook of Surfactant Analysis Applications in Environmental Protection Indian Journal of Chemistry Dieter Balzer Uri Zoller Uri Zoller Henry A. Craddock Cristóbal Carnero Ruiz Karlheinz Hill M.R. Xue European Colloid and Interface Society. Conference California Weed Science Society N. M. Western Ivana Pantelic Jerome Bibette Dieter O. Hummel Andrzej Dąbrowski Nonionic Surfactants Handbook of Detergents, Part E Handbook of Detergents, Part F Oilfield Chemistry and its Environmental Impact Sugar-Based Surfactants Alkyl Polyglycosides Mechanical Engineering and Materials Science Trends in Colloid and Interface Science XII Polish Journal of Chemistry Chemistry Zhongguo ke xue Proceedings of California Weed Science Society Encyclopedia of Physical Science and Technology Optimising Pesticide Applications Alkyl Polyglucosides Emulsion Science □ □ □ □ Handbook of Surfactant Analysis Applications in Environmental Protection Indian Journal of Chemistry *Dieter Balzer Uri Zoller Uri Zoller Henry A. Craddock Cristóbal Carnero Ruiz Karlheinz Hill M.R. Xue European Colloid and Interface Society. Conference California Weed Science Society N. M. Western Ivana Pantelic Jerome Bibette Dieter O. Hummel Andrzej Dąbrowski*

this volume provides a comprehensive overview for recognizing and producing the characteristics of successful special surfactant agents it highlights one of the most versatile and effective surface active surfactant agents detailing the synthesis and production chemical properties and behaviours and application for alkyl polyglucosides

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

this sixth part of the multi volume handbook of detergents focuses on the production of surfactants builders and other key components of detergent formulations including the various multi dimensional aspects and implications on detergent formulations and applications domestically institutionally in industry and agriculture with all the environmental consequences involved thus part f constitutes a

comprehensive treatise of the multi dimensional issues relating to this industry production technology emphasizing the alignment of scientific knowledge and up to date technological and technical know how with the relevant contemporary applied practice an international effort and industry academia collaboration this volume features expert contributions focusing on the contemporary state of the art concerning the many facets of the production of detergents and surfactants thus the handbook of detergents part f production deals with the production of anionic cationic nonionic and amphoteric surfactants key builders bleaching and whitening agents enzymes and other components of detergent formulations in different contexts gauges and related concerns and discusses various technological procedures of production processes involving the components of surfactants and detergents

consolidates the many different chemistries being employed to provide environmentally acceptable products through the upstream oil and gas industry this book discusses the development and application of green chemistry in the oil and gas exploration and production industry over the last 25 years bringing together the various chemistries that are utilised for creating suitable environmental products written by a highly respected consultant to the oil and gas industry it introduces readers to the principles and development of green chemistry in general and the regulatory framework specific to the oil and gas sector in the north sea area and elsewhere in the world it also explores economic drivers pertaining to the application of green chemistry in the sector topics covered in oilfield chemistry and its environmental impact include polymer chemistry surfactants and amphiphiles phosphorus chemistry inorganic salts low molecular weight organics silicon chemistry and green solvents it also looks at sustainability in an extractive industry examining the approaches used and the other methodologies that could be applied in the development of better chemistries along with discussions about where the application of green chemistry is leading in this industry sector provides the reader with a ready source of reference when considering what chemistries are appropriate for application to oilfield problems and looking for green chemistry solutions brings together the pertinent regulations which workers in the field will find useful alongside the chemistries which meet the regulatory requirements written by a well known specialist with a combined knowledge of chemistry manufacturing procedures and environmental issues oilfield chemistry and its environmental impact is an excellent book for oil and gas industry professionals as well as scientists academic researchers students and policy makers

touted as the new darling of the chemical industry alkyl polyglycosides are gaining in popularity due to the fact that they are readily biodegradable low toxic and made from renewable resources sugar based surfactants compiles the most recent and relevant aspects of sugar based surfactants including self association phase behavior and interfacial properties focusing on both colloidal and interfacial science the book deals with the adsorption of surfactants in both the air liquid and solid liquid interfaces it also covers new advances in surfactant science such as the development of a family of potent surface active agents that are non toxic and thus usable in ubiquitous consumer products

the first comprehensive survey on the uses of alkyl polyglycosides as renewable resources for the chemical industry experts from industry show in detail how alkyl polyglycosides can help chemists to improve their products since quite a few years renewable resources are of increasing interest for the chemical industry alkyl polyglycosides are among the frequently used substances produced from renewable resources their science as well as technological applications are described in this book competently and with a focus on industrial use

selected peer reviewed papers from the 2014 international conference on intelligent mechanics and materials engineering icimme 2014 december 27 28 2014 shenzhen china

the 11th conference of the european colloid and interface society ecis was held in september 1997 in lunteren the netherlands the scientific program covered theoretical experimental and technical aspects of modern colloid and interface science this volume contains a selection of contributions in the following fields new topics in colloid science polymer colloids rheology surfactant colloids polymers and surfactants at interfaces

of the encyclopedia of physical science and technology has been completely updated with no less than 90 revised material and 50 new content throughout the volumes presents eighteen volumes nearly 800 authoritative articles and 14 500 pages is lavishly illustrated with over 7 000 photographs illustrations and tables presents an increased emphasis on the hottest topics such as information processing environmental science biotechnology and biomedicine includes a final index volume containing thematic relational and subject indexes

the on going green trend in the personal care industry coupled with global environmental concerns place natural origin biodegradable and skin friendly surfactants such as alkyl polyglucosides apgs in high demand after successful use in cosmetics sufficient data has been obtained to welcome some sugar emulsifiers into the field of drug dosage alkyl polyglucosides presents a comprehensive compendium which guides a researcher from the apg related preformulation stages to formulation processing including the investigation of various apg stabilized systems skin performance this book introduces various apg representatives their benefits in relation to certain conventional surfactants physicochemical and interfacial properties possible interaction with commonly used ingredients and diverse characterization techniques indispensable for the assessment of colloidal systems the first chapter introduces alkyl polyglucosides followed by chapters on their properties behaviour an overview of the patent protection mechanisms and guidelines for submitting patent applications finally a conclusion surveys international patent applications involving apgs

emulsions occur either as end products or during the processing of products in a huge range of areas including the food agrochemical pharmaceuticals paints and oil industries as end products emulsions allow to avoid organic solvent in processing hydrophobic coatings emulsion technology is a suitable approach to vehicle viscous phases it is also a remarkable mean of targeting actives or capturing specific species the range of applications of emulsions progresses and their manufacturing becomes more and more sophisticated besides this broad domain of technological interest emulsions are raising a variety of fundamental questions at the frontier between physics and chemistry indeed as a class of soft colloidal materials emulsions science is linked to various aspects of these disciplines phase transitions surface forces and wetting metastability and hydrodynamic instabilities mechanical properties and flow the aim of this book is to review the main important concepts governing emulsion science in chapter 2 repulsive interactions between liquid films are discussed as well as adhesive interaction related to wetting in chapter 3 consequences of weak and strong attractions are presented related to the well accepted liquid solid transition analogy in chapter 4 the basics of both bulk compressibility and shear elasticity are presented the role of disorder being the most important aspect of the elastic behavior of these soft systems in chapter 5 the central question of the emulsion lifetime

related to metastability is discussed

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 physio 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

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