

Sulphonation Technology In The Detergent Industry

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How laundry detergent is made - material, manufacture ...

This book is about Sulph(on)ation Technology in its technical entirety, aiming at superiority in final product quality, raw material utilisation, sustained plant reliability and safety, minimisation of liquid effluent and gaseous emissions; it is about the total quality of the operation.

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Sulphonation Technology in the Detergent Industry. In the following section the process chemistry is discussed, indicating main chemical reactions, undesired parallel and consecutive reactions, exothermal heat effects and all other process chemistry data that are relevant for process selection and equipment design.

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Sulphonation Technology in the Detergent Industry. Product quality, product storage and handling, product safety and physical properties are the contents of the next section. The effluent handling and exhaust gas treatment of the SO₂ air sulphonation technology are further discussed in detail.

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9. Plant instrumentation and control.- 10. Plant location, layout, building structure, plant documentation.- 11. Sulphonation with 20% oleum.- 12. Sulphonation technology as a tool for the educator in preparing case studies and final-year design projects in a chemical engineering curriculum.- Appendices.- Appendix 1 Abbreviations.-

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less than approximately 90%, sulfonation of detergent feedstocks with sulfuric acid is not normally practiced. Today sulfuric acid sulfonation is principally used for production of hydrotropes by azeotropic reaction with benzene, toluene or xylene. In this special

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A further chapter of the book describes the 20% oleum and sulphuric acid based sulphonation technology. This part is less extensive, since the S~air process is becoming predominant in the manufacture of detergent actives, taking over from the older oleum and sulphuric acid technol ogies.

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In the blender method of making powder laundry detergent, the ingredients—surfactant, builders, antiredeposition agents, and perfumes—are simply blended together in a mixer, released onto a conveyor belt, and packaged accordingly. This method is favored by smaller companies.

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