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Introduction. 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. It will be of value to engineers and chemists who are, or will be, involved in the practical daily operation of sulphonation plants or R&D activities.

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2. A brief description of the sulphonation processes used for the manufacture of active detergents.- 3. Raw materials quality, storage, handling and safety.- 4. Process chemistry and principles.- 5. Processing equipment.- 6. Product quality, storage, handling and safety.- 7. Exhaust gas and effluent treatment SO₃/air sulphonation plants.- 8.

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Linear alkylbenzene is the most common organic feedstock employee in the detergent . industry (Figure 2). LABS of low molecular weight (230 - 245) lay in the category of anionic ... Sulphonation ...

(PDF) Sulfonation/Sulfation Processing Technology for ...

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detergents. The reaction is shown in Figure 7. It is an equilibrium process, as water is formed in the reaction and the resultant water dilutes the oleum and/or sulfuric acid. The sulfonation reaction stops when the sulfuric acid concentration drops to approximately 90%. This "spent" acid may be separated from alkyl benzene sulfonic acid

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Sulfonation and Sulfation Processes - Chemithon

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A solar power plant is any type of facility that converts sunlight either directly, like Photovoltaics, or indirectly, like Solar Thermal plants, into electricity. production units with capacities varying from 3 Sulphonation technology in the detergent Process Res. IAM provides you with the largest inventory of used plants and equipment, which are decommissioned due to overcapacity, mergers, business reorganization or environmental regulations at their present location.

Sulphonation plant process

While the hydrocarbons used in soap generally come from plants or animals, those used in detergent can be derived from crude oil. Adding sulfuric acid to the processed hydrocarbon produces a molecule similar to the fatty acids in soap. The addition of an alkali to the mixture creates a surfactant molecule.

How laundry detergent is made - material, manufacture

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various detergent products, and their presence on the market is still highly restricted. The typical cut of FAMES (C16-C18) shows interesting surface activity (about 90% compared to LABS), high detergent, dispersing and emulsifying power in hard water, high lime soap dispersion and moderate foam levels.

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