

gemini surfactants synthesis interfacial pdf

GEMINI SURFACTANTS Synthesis, Interfacial and Solution-Phase Behavior, and Applications edited by Raoul Zana Institut C.Sadron (CNRS-ULP) Strasbourg, France

Gemini Surfactants

Synthesis, aggregation behavior and interfacial activity of branched alkylbenzenesulfonate gemini surfactants

Synthesis, aggregation behavior and interfacial activity

The interfacial tension measurements were obtained between aqueous solutions of the synthesized gemini cationic surfactants at a concentration of 0.1 % by weight and light paraffin oil at 25 °C using the same procedures of the surface tension measurements .

Gemini Cationic Surfactants: Synthesis and Influence of

Abstract: Micellization and premicellar behavior of the two series of cationic surfactants, each with two hydrophilic and two hydrophobic groups in the molecule (‘‘gemini’’ surfactants), one series with a rigid, hydrophobic spacer, and second with a flexible, ...

Gemini surfactants: a new class of self-assembling

Gemini Surfactants considers the synthesis, phase behavior, and rheology of gemini and related surfactants and clarifies the adsorption and surface tension behavior of gemini surfactants at air-water, oil-water, and solid-water interfaces. The book also details the physicochemical properties and microstructure of aqueous micellar solutions of gemini surfactants and describes mixed ...

Gemini Surfactants : Synthesis, Interfacial and Solution

New Family of Nonionic Gemini Surfactants. Determination and Analysis of Interfacial Properties
Determination and Analysis of Interfacial Properties Mariano J. L. Castro , Jos Kovensky , and Alicia Fernndez Cirelli *

New Family of Nonionic Gemini Surfactants. Determination

Abstract: Bis(quaternary ammonium halide) surfactants (gemini surfactants) having, variously, diethyl ether, monohydroxypropyl, and dihydroxybutyl spacer groups have been investigated by surface tension, interfacial tension, and steady-state fluorescence ...

Gemini-surfactants: synthesis and properties - Journal of

Gemini-like surfactants were fabricated by combining sodium dodecyl benzene sulfonate (SDBS) and butane-1,4-bis(methylimidazolium bromide) (BBMB) at the interface and evaluated for their ability to reduce the interfacial tension (IFT) between water and a model oil (toluene and n-

