

Foam and Foam Films: Theory, Experiment, Application (Hardback)

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Reviews

It is straightforward in go through easier to recognize. I actually have study and that i am sure that i will going to study yet again again down the road. Once you begin to read the book, it is extremely difficult to leave it before concluding. (Jaclyn Johns DDS)

FOAM AND FOAM FILMS: THEORY, EXPERIMENT, APPLICATION (HARDBACK)



ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 1997. Hardback. Book Condition: New. 240 x 172 mm. Language: English . Brand New Book. The main physicochemical aspects of foam and foam films such as preparation, structure, properties, are considered, giving a special emphasis on foam stability. It is shown that the foam and foam films are an efficient object in the study of various surface phenomena and in establishing regularities common for different interfaces, in particular, water/oil interface. The techniques and results on foam films have an independent meaning and involve the latest achievement in this field, with a focus on authors results. The book has an expressed monographic character. It reveals joint ideas, i.e. the quantitative approach in treating foams is based on foam film behaviour and the techniques for controlling the foam liquid content, developed by the authors. A major contribution represents the independent consideration of formation and stability of foam films in theoretical and experimental aspects. No monograph published so far reveals these topics in the mentioned manner. Data and information about foams, physicochemical characterization of surfactants, phospholipids and polymers can also be found. Furthermore, the book provides information about: techniques involved in the study of foam films and foam structure and properties; foam drainage; processes of destruction in gravitational and centrifugal fields; reasons for stability of films and their role in the processes running in the foam; mechanical, rheological, optical, thermophysical, electrical properties; foam destruction upon addition of antifoams (mechanism of destruction, techniques, application); scientific principles of controlling foam properties and their application in foam separation and concentration; enhanced oil recovery; thermodynamic and non-equilibrium properties of foam films, stabilized by surfactants, phospholipids and polymers; techniques for the study of surface forces; formation and stability of foam films, st

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