1. Record Nr. UNINA9910787567003321

Autore	Garrett Peter R.
Titolo	The science of defoaming : theory, experiment and applications / / Peter R. Garrett
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2014
ISBN	0-429-14548-9 1-62870-629-5 1-4200-6041-4
Edizione	[1st edition]
Descrizione fisica	1 online resource (587 p.)
Collana	Surfactant science series ; ; 155
Disciplina	660.293 660/.293 668.1
Soggetti	Antifoaming agents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Preface; Author; Chapter 1 - Some General Properties of Foams; Chapter 2 - Experimental Methods for Study of Foam and Antifoam Action; Chapter 3 - Oils at Interfaces: Entry Coefficients, Spreading Coefficients, and Thin Film Forces; Chapter 4 - Mode of Action of Antifoams; Chapter 5 - Effect of Antifoam Concentration on Volumes of Foam Generated by Air Entrainment in Aqueous Solutions; Chapter 6 - Deactivation of Mixed Oil-Particle Antifoams During Dispersal and Foam Generation in Aqueous Media; Chapter 7 - Mechanical Methods for Defoaming Chapter 8 - Antifoams for Detergent ProductsChapter 9 - Control of Foam in Waterborne Latex Paints and Varnishes; Chapter 10 - Antifoams for Gas-Oil Separation in Crude Oil Production; Chapter 11 - Medical Applications of Defoaming; Frequently Used Symbols and Abbreviations; Back Cover
Sommario/riassunto	In the 20 years since the publication of the author's multi-contributor volume on defoaming, a vast amount of new work has been published and many new insights have been revealed. A cohesive, single-authored book, The Science of Defoaming: Theory, Experiment and Applications provides comprehensive coverage of the topic. It describes

the mode of action of antifoams, presenting the relevant theory and the supporting experimental evidence. Beginning with an introductory chapter that discusses the intrinsic properties of foam, the book then describes experimental methods for measuring foam propert