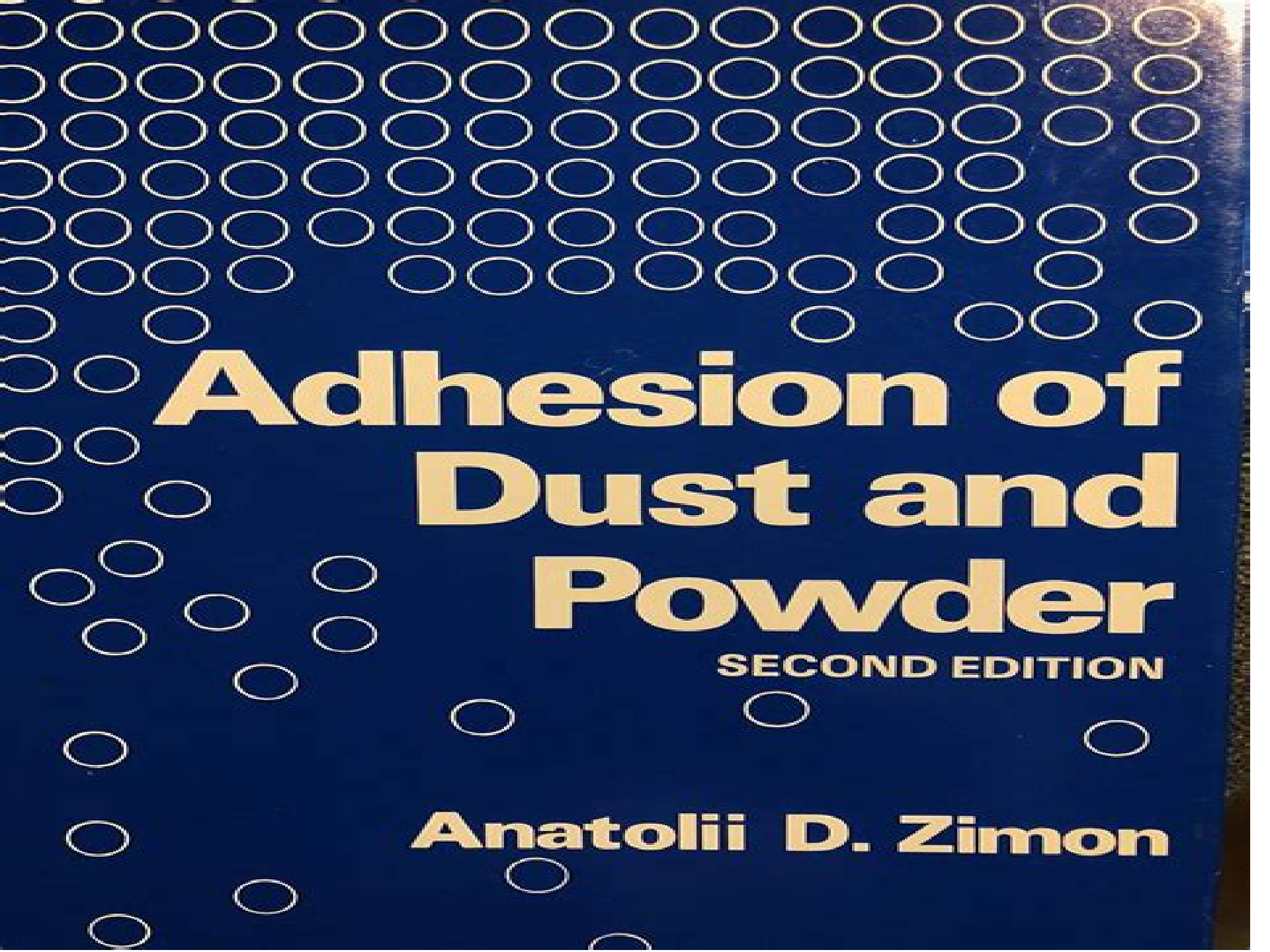




Adhesion of Dust and Powder

SECOND EDITION

Anatolii D. Zimon

Adhesion Of Dust And Powder

K. L. Mittal, Ravi Jaiswal



Adhesion Of Dust And Powder:

Adhesion of Dust and Powder Anatolii D. Zimon, 2012-12-06 ties on adhesion Chapter V and the detachment of particles by an air stream Chapter X The other chapters have undergone substantial revision New material has been introduced and topics such as autohesion wetting film adhesion and surface washing have been eliminated The expansion of research on adhesive interaction has led to many joint endeavors with students and followers the author gives special thanks to G A Serebryakov K A Lazarev E I Andrianov E I Dergunov and E A Ronginskii Many years of creative cooperation bind the author to the staff of the Omsk Branch of the Frunze Polytechnic Institute headed by Zh T Tekenov Candidate of Physico mathematical Sciences The author thanks Professor G I Fuks Doctor of Chemical Sciences for his help in the preparation of the first and second editions of this monograph his constructive criticism and gracious assistance have raised the level of quality of the material set forth here In the preparation of this book as in all the previous books inestimable help has been given by my wife Antonina Alekseevna Zimon without whose participation it would have been unthinkable to carry out such a volume of work

Adhesion of Dust and Powder Anatolii Davydovich Zimon, 1969-01-01 Adhesion of Dust and Powder A. D. Zimon, 2014-09-01 **Adhesion of Dust and Powder** 3Island Press, 1982-03-31 **Adhesion of Dust and Powder**

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AND POWDERS. AD. Zimin, 1982 *A Guide to Particulate Science in Pharmaceutical Product Development* Margaret D.

Louey, Timothy M. Crowder, Anthony J. Hickey, 2025-08-04 The pharmaceutical applications of powder technology have long been recognized Yet while many books focus on aspects of powder formation and behavior there are few texts that explore the power of particulate science in the design manufacture and control of quality medicines This revision discusses key principles and practical applications The authors cover particulate material its form and production sampling from bodies of powder particle size descriptors and statistics behavior of particles and powder instrumental analysis particle size measurement and synergy of adopted techniques and in vitro and in vivo performance criteria Case studies are included in this new edition This fully revised edition Provides an essential account of particulate science including several new chapters on multicomponent particles regulatory considerations and product development Presents a variety of topics ranging from the quality of published data on particle size in pharmaceuticals to the future of crystal engineering Reviews methods of particle measurement and their importance for specific applications Discusses misconceptions and misunderstandings of particulate science together with lessons from other industries *Particle Adhesion and Removal* K. L. Mittal, Ravi

Jaiswal, 2015-01-06 The book provides a comprehensive and easily accessible reference source covering all important aspects of particle adhesion and removal The core objective is to cover both fundamental and applied aspects of particle adhesion and removal with emphasis on recent developments Among the topics to be covered include 1 Fundamentals of surface forces in particle adhesion and removal 2 Mechanisms of particle adhesion and removal 3 Experimental methods e g AFM

SFA SFM IFM etc to understand particle particle and particle substrate interactions 4 Mechanics of adhesion of micro and nanoscale particles 5 Various factors affecting particle adhesion to a variety of substrates 6 Surface modification techniques to modulate particle adhesion 7 Various cleaning methods both wet dry for particle removal 8 Relevance of particle adhesion in a host of technologies ranging from simple to ultra sophisticated **Particulate Interactions in Dry Powder**

Formulation for Inhalation Xian Ming Zeng,Gary Peter Martin,Christopher Marriott,2000-10-26 Interactions between drug particulates are crucial in determining drug dispersion and deaggregation and ultimately delivery efficiency This book combines principles established in surface and colloidal chemistry with pharmaceutical powder technology It discusses some of the factors affecting particulate interactions and particle fluid interaction in the respiratory tract It review some of the studies carried out in dry powder formulation development and proposes possible strategies in improving DPI efficiency The majority of these principles are applicable to other pharmaceutical solid dosage forms e g tablets and capsules

Adhesion Of Dust And Powder Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Adhesion Of Dust And Powder**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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