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Titolo	Mechanism and machine theory
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Soggetti	Machine theory Machinery Mechanical engineering Machines - Periodiques Genie mecanique - Periodiques Theorie des automates Machines Periodicals.
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Note generali	Refereed/Peer-reviewed Title from contents screen (ScienceDirect, viewed Nov. 2, 2005).

2. Record Nr.	UNINA9910969114203321
Titolo	Handbook for cleaning/decontamination of surfaces / / edited by Ingegard Johansson, P. Somasundaran
Pubbl/distr/stampa	Amsterdam ; ; London, : Elsevier, 2007
ISBN	1-282-38137-7 9786612381379 0-08-055553-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (994 p.)
Altri autori (Persone)	JohanssonIngegard SomasundaranP. <1939->
Disciplina	667.1
Soggetti	Cleaning Cleaning compounds Surface chemistry Surface active agents Cleaning - Environmental aspects
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 and index.
Nota di contenuto	9780080555539_001_WEB; Front Cover; Handbook for Cleaning/Decontamination of Surfaces; Copyright Page; Contents; Preface; Acknowledgements; Chapter A. Physical Aspects of Cleaning Processes; 1. Introduction; 2. Components in cleaning processes; 3. Interfacial effects for the cleaning of particulate and oily soil; 4. Bulk properties of the cleaning solution; 5. Dispersed systems in cleaning; References; Chapter B.1.I Laundry Cleaning of Textiles; 1. Introduction; 2. Textiles; 3. Soil; 4. Product forms; 5. Ingredients and cleaning mechanisms; 6. Test methods; 7. Future trends; Acknowledgements ReferencesChapter B.1.II Formulation of Carpet Cleaners; 1. Introduction; 2. Carpet soil and soiling; 3. Carpet fibers and carpet construction; 4. Carpet cleaning methods; 5. Formulation technology for carpet cleaning agents; 6. Applications; References; Chapter B.2.I Dish and Household Cleaning; 1. Introduction; 2. Household cleaners; 3. Hand dishwashing products; 4. Conclusion; References; Chapter B.2.II A Review of Key Ingredients Used in Past and Present Auto-

Dishwashing Formulations and the Physico-Chemical Processes They Facilitate; 1. Introduction; 2. Evolution of the field  
3. Hand dishwashing vs machine dishwashing4. Components; 5. Additives; 6. Market progressions; 7. Ingredients and functionalities of mainwash products; overview; 8. Summary/future; 9. Where to next?; References; Chapter C.1 Personal Cleansing; 1. Introduction; 2. Anatomy of a skin cleanser; 3. Commonly used surfactants in cleansing; 4. Other elements of a skin cleanser; 5. Effects of cleansing on skin structure and function; 6. Effect of surfactants on SC; 7. Technology of mild cleansing; 8. Minimizing surfactant protein damage; 9. Minimizing surfactant lipid damage  
10. Compensating for damage: enhancing moisturization11. Summary; References; Chapter C.2 Shampoo Formulation; 1. Anionic surfactants; 2. Amphoteric surfactants; 3. Pseudoamphoteric surfactants; 4. Nonionics; 5. Cationic materials and ""other"" conditioning agents; 6. Thickening shampoos; 7. Shampoo additives; 8. Other additives; 9. Fragrance and color; 10. Shampoo evaluation; 11. Shampoo formulations; Chapter C.3 Surfactant Action on Skin and Hair: Cleansing and Skin Reactivity Mechanisms; 1. Introduction; 2. Surfactants in cleansing systems for skin and hair; 3. Cleaning mechanisms  
4. Efficacy of soil removal by cleansers5. Interactions of surfactants with skin - understanding and controlling irritation; References; Chapter C.4 The Cleaning of Teeth; 1. Introduction; 2. The human dentition and its environment; 3. Oral accumulations; 4. Oral care products; 5. Evaluation of oral care products; 6. Cleaning agents in oral care products; References; Chapter D.1 Dry Cleaning of Textiles; 1. Dry cleaning - definition; 2. Dry cleaning - history; 3. Dry cleaning - characteristics; 4. Dry cleaning - solvents; 5. Dry cleaning - detergents; 6. Dry cleaning - machines  
7. Dry cleaning - process technology

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#### Sommario/riassunto

The focus of Handbook for Cleaning/Decontamination of Surfaces lies on cleaning and decontamination of surfaces and solid matter, hard as well as soft. Bringing together in a 2-volume reference source: - current knowledge of the physico-chemical fundamentals underlying the cleaning process; - the different needs for cleaning and how these needs are met by various types of cleaning processes and cleaning agents, including novel approaches; - how to test that cleaning has taken place and to what extent; - the effects of cleaning on the environment; - future trends

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