

Nalco Water Handbook

The NALCO Water Handbook, Fourth Edition
The NALCO Water Handbook
NALCO WATER HANDBOOK 2/E - NINE
The NALCO Water Handbook, Fourth Edition
The Nalco Water Handbook, Third Edition
The NALCO Water Handbook
The Nalco Water Handbook
The Nalco Water Handbook, Third Edition
The Nalco Water Guide to Cooling Water Systems Failure Analysis, Second Edition
The Subdivision and Site Plan Handbook
The Nalco Water Guide to Cooling Water Systems Failure Analysis, Second Edition
Engine Coolant Testing : Fourth Volume
Microfiltration and Ultrafiltration
Metalworking Fluids
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focusing on water supply and treatment this book offers practical advice on how to improve water quality optimize water usage and treatment processes and avoid mistakes when dealing with vendors it covers topics such as chemistry of water water sources water contaminants water treatment water disposal and industrial use of water

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with the nation looking toward a goal of zero discharge in water pollutants by the early 1980s this timely handbook is an ideal source of information for specialists nonspecialists alike it provides completely practical data techniques in the four major water conservation use areas 1 water chemistry sources contaminants 2 unit operations treatment 3 industrial municipal use of water its disposal 4 special technology in water treatment

an update of today's best guide to water use and conditioning the third edition of the nalco water handbook offers you complete guidance on the use and conditioning of water and wastewater in any industrial or institutional facility reflecting major advances in technology this updated classic covers basic water chemistry and shows how to improve water quality water usage and treatment processes emphasizing how things work the third edition features new information on cooling systems microbiological control legionella energy conservation environmental hygiene and steam generation problems and prevention it also discusses new applications in pharmaceutical plants the electronics industry groundwater and acid rain treatments and more

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case histories are provided in each chapter the nalco guide to cooling water systems failure analysis second edition covers carbon and alloy steel cast iron stainless steel copper alloys aluminum alloys corrosion resistant alloys coatings nonmetallic materials brazed and soldered joints corrosion monitoring crevice and underdeposit corrosion oxygen corrosion biologically influenced corrosion acid corrosion alkaline corrosion galvanic corrosion dealloying intergranular corrosion graphitic corrosion localized and pitting corrosion corrosion fatigue stress corrosion cracking erosion corrosion cavitation manufacturing defects weld defects design and operating conditions

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integrates knowledge on microfiltration and ultrification membrane chemistry and characterization methods with the engineering and economic aspects of device performance device and module design processes and applications the text provides a discussion of membrane fundamentals and an analytical framework for designing and developing new filtrations systems for a broad range of technologically important functions it offers information on membrane

liquid precursors fractal and stochastic pore space analysis novel and advanced module designs and original process design calculations

this revised and expanded third edition contains 21 chapters summarizing the latest thinking on various technologies relating to metalworking fluid development laboratory evaluation metallurgy industrial application fluid maintenance recycling waste treatment health government regulations and cost benefit analysis all chapters of this uniquely comprehensive reference have been thoroughly updated and two new chapters on rolling of metal flat sheets and nanoparticle lubricants in metalworking have been added this must have book for anyone in the field of metalworking includes new information on chemistries of the most common types of metalworking fluids advances in recycling of metalworking fluids and the latest government regulations including epa standards the globally harmonized system being implemented for safety data sheets and reach legislation in europe

the definitive water quality and treatment resource fully revised and updated comprehensive current and written by leading experts water quality treatment a handbook on drinking water sixth edition covers state of the art technologies and methods for water treatment and quality control significant revisions and new material in this edition reflect the latest advances and critical topics in water supply and treatment presented by the american water works association this is the leading source of authoritative information on drinking water quality and treatment new chapters on chemical principles source water composition and watershed protection natural treatment systems water reuse for drinking water augmentation ultraviolet light processes formation and control of disinfection by products detailed coverage of drinking water standards regulations goals and health effects hydraulic characteristics of water treatment reactors gas liquid processes and chemical oxidation coagulation flocculation sedimentation and flotation granular media and membrane filtration ion exchange and adsorption of inorganic contaminants precipitation coprecipitation and precipitative softening adsorption of organic compounds by activated carbon chemical disinfection internal corrosion and deposition control microbiological quality control in distribution systems water treatment plant residuals management

water formed deposits fundamentals and mitigation strategies wholly presents the important issue of deposits in aqueous systems both industrial and biological by analyzing causes mechanisms and mitigation strategies the book helps researchers engineers end users gain a fundamental understanding of the issues underlying deposit formation and mitigation it covers numerous fundamental aspects of water formed deposits while also giving an applications

perspective the book's goal is to assist the reader in his/her understanding of the important issues of scale formation while also helping with potential solutions provides a fundamental understanding of deposit formation by presenting basic science and mechanisms presents an applications perspective reveals a systematic overview of deposit related challenges and their mitigation correlates structure to performance in mitigation strategies analyzes current legal aspects and regulations includes case studies from the real industrial world for the industrial reader/end user

the third edition of environmental science and technology concepts and applications is the first update since 2006 designed for the student and the professional this newly updated reference uses scientific laws principles models and concepts to provide a basic foundation for understanding and evaluating the impact that chemicals and technology have on the environment building upon the success of previous editions this fully revised edition has been expanded and completely updated with significant changes in the treatment of all subject areas extensive energy parameters have been added to the text along with a thorough discussion of non renewable and renewable energy supplies and their potential impact on the environment in addition thought provoking questions have been added at the end of each chapter finally pictorial presentation has been enhanced by the addition of numerous photographs organization and content environmental science and technology concepts and applications is divided into five parts and twenty five chapters and organized to provide an even and logical flow of concepts it provides the student with a clear and thoughtful picture of this complex field part i provides the foundation for the underlying theme of this book the connections between environmental science and technology part ii develops the air quality principles basic to an understanding of air quality part iii focuses on water quality and the characteristics of water and water bodies water sciences water pollution and water wastewater treatment part iv deals with soil science and emphasizes soil as a natural resource highlighting the many interactions between soil and other components of the ecosystem part v is devoted to showing how decisions regarding handling solid and hazardous waste have or can have profound impact on the environment and the three media discussed in this text air water and soil finally the epilogue looks at the state of the environment past present and future the emphasis in this brief unit is on mitigating present and future environmental concerns by incorporating technology into the remediation process not by blaming technology for the problem

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