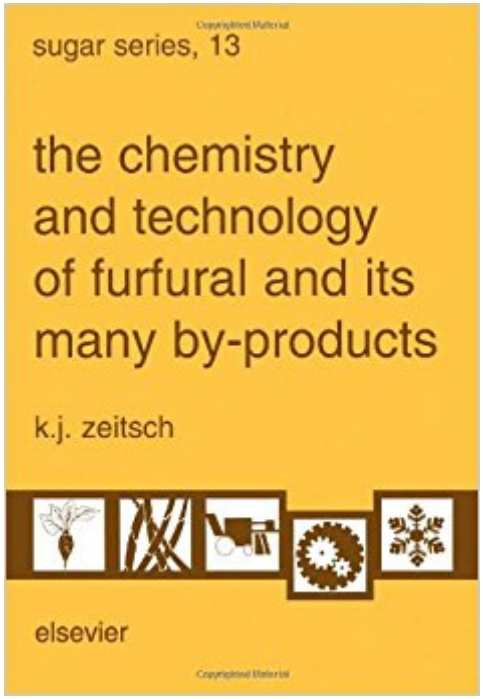
Ebook Directory
the best source of ebook

The book was found

The Chemistry And Technology Of Furfural And Its Many By-Products, Volume 13 (Sugar Series)



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

This book is a "world first", since the furfural industry has been traditionally secretive to the point of appearing shrouded in clouds of mystery. Even renowned encyclopedic works have published but scant and often erroneous information on the subject. Striking a healthy balance between theory and practice, the book leads the reader from reaction mechanisms and kinetics to the technology of making furfural by various old and new processes, using conventional raw materials or sulfite waste liquor. Detailed discussions of means of increasing the yield are of great chemical and technological interest as well as of immense economic importance. From furfural proper, the treatise shifts to the fascinating field of wanted and unwanted by-products ranging from largely unutilized carboxylic acids to troublesome impurities such as 5-methyl furfural and 2-furyl methyl ketone, and then to extremely valuable serendipitous flavor compounds such as diacetyl and 2,3-pentanedione. A wide variety of derivatives are discussed; considerable space is devoted to polytetrahydrofuran, an important building block of stretchable synthetic fibers, while furan resins from both furfural and furfuryl alcohol are given the attention commensurate with their industrial importance. Notable supplementary chapters cover the in-line measurement of furfural, the treatment of furfural waste water, and various aspects of corrosion. A chapter on the applications of furfural elaborates not only traditional uses in extracting petroleum and vegetable oils but also the sensational discovery that furfural is a highly effective "indirect nematocide". Without becoming toxic, it changes the microflora of the soil by stimulating bacteria antagonistic to nematodes, thereby reducing the nematode population to zero, at an unprecedented low price. It is believed that this application will be the principal outlet for furfural in the future. A comprehensive list of physical properties, some never published before, make the book an indispensable companion for producers, users and researchers alike.

Book Information

Series: Sugar Series (Book 13)
Hardcover: 376 pages
Publisher: Elsevier Science; 1 edition (February 23, 2000)
Language: English
ISBN-10: 044450351X
ISBN-13: 978-0444503510
Product Dimensions: 7 x 0.9 x 10 inches
Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,246,103 in Books (See Top 100 in Books) #10 inÃ Â Books > Science & Math > Chemistry > Organic > Heterocyclic #901 inÃ Â Books > Engineering & Transportation > Engineering > Materials & Material Science > Polymers & Textiles #1431 inÃ Â Books > Science & Math > Physics > Optics

Download to continue reading...

The Chemistry and Technology of Furfural and its Many By-Products, Volume 13 (Sugar Series) Sugar Detox: Beat Sugar Cravings Naturally in 14 Days! Lose Up to 15 Pounds in 14 Days! Step-By-Step Meal Plan And Recipes To Kick Sugar Cravings And ... diet, sugar free diet, low sugar diet,) Sugar Detox: How to Cure Sugar Addictions, Stop Sugar Cravings and Lose Weight with Sugar Detox Easy Guide (Include Sugar-free Recipes to Help You Get ... free Recipes, Detox Diet, Detox Cleanse) Sugar Detox: Beat Sugar Cravings Naturally in 30 Days! Lose Up to 15 Pounds in 14 Days, Increase Energy, Boost Metabolism! (Sugar Free Diet, Sugar Detox ... 30 Day Detox, Weight Loss and More Energy) The Wonders of the Colorado Desert (Southern California), Vol. 1 of 2: Its Rivers and Its Mountains, Its Canyons and Its Springs, Its Life and Its ... Journey Made Down the Overflow of the Colo Many Many Many Gods of Hinduism: Turning believers into non-believers and non-believers into believers: Culture, Concepts, Controversies Many Many Many Gods of Hinduism: Turning believers into non-believers and non-believers into believers Business and Technology of the Global Polyethylene Industry: An In-depth Look at the History, Technology, Catalysts, and Modern Commercial Manufacture of Polyethylene and Its Products 14-day Zero Sugar detox diet: Sugar detox diet for beginners to Increase energy, smash cravings and lose weight.: Sugar detox diet for beginners to Increase energy, smash cravings and lose weight. Diabetes: Reverse type 2 diabetes, lower your blood sugar, and live a healthier life in 12 simple steps (Diabetes, Type 2 Diabetes, Blood Sugar, Sugar, Insulin, Fat, Diet, Unhealthy Diet, Book 5) Mediterranean Diet: Mediterranean Diet For Diabetes-A Beginners Guide On Weight Loss While Lowering Your Blood Sugar To Reverse Type 2 Diabetes(Mediterranean ... blood sugar diet,the blood sugar solution,) Indole alkaloids;: An introduction to the enamine chemistry of natural products, (The Commonwealth and international library of science, technology, ... in organic chemistry, advanced section) Lick the Sugar Habit: Sugar Addiction Upsets Your Whole Body Chemistry Symbolism, Its Origins and Its Consequences (Art, Literature and Music in Symbolism, Its Origins and Its) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide,

Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Type 2 Diabetes: Take Control Of Your Blood Sugar Level Naturally With 39 High Fiber, Healthy Carb Diabetes Recipes-Maintain Healthy Blood Sugar And ... Cookbook, Diabetes Diet Plan) (Volume 7) Sugar Gliders: The Essential Guide to Ownership & Care for Your Pet (Sugar Glider Care) (Volume 1) The Chemistry of the Morphine Alkaloids (Monographs on the Chemistry of Natural Products) Anti Aging: The Best Anti Aging Beauty Products, Anti Aging Medicines and Anti Aging Skin Care Treatments to Make You Look and Feel Younger (Anti Aging, ... Secrets, Anti Aging Diet, Beauty Products)

Contact Us

DMCA

Privacy

FAQ & Help