

PETROLEUM PROCESSING HANDBOOK

edited by

John J. McKenna

Handbook Of Petroleum Processing 1st Edition

Ian Pickup



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Petroleum Refining Design and Applications Handbook, Volume 1 A. Kayode Coker, 2018-08-09 There is a renaissance that is occurring in chemical and process engineering and it is crucial for today's scientists, engineers, technicians and operators to stay current. With so many changes over the last few decades in equipment and processes, petroleum refining is almost a living document constantly needing updating. With no new refineries being built, companies are spending their capital retooling and adding on to existing plants. Refineries are like small cities today as they grow bigger and bigger and more and more complex. A huge percentage of a refinery can be changed literally from year to year to account for the type of crude being refined or to integrate new equipment or processes. This book is the most up to date and comprehensive coverage of the most significant and recent changes to petroleum refining, presenting the state of the art to the engineer, scientist or student. Useful as a textbook, this is also an excellent handy go to reference for the veteran engineer. A volume no chemical or process engineering library should be without. Written by one of the world's foremost authorities, this book sets the standard for the industry and is an integral part of the petroleum refining renaissance. It is truly a must have for any practicing engineer or student in this area. *Handbook of Petroleum Processing* David S. J. Jones, Peter P.

Pujadó, 2006-10-04 This Handbook describes and discusses the features that make up the petroleum refining industry. It begins with a description of the crude oils and their nature. It continues with the saleable products from the refining processes with a review of the modern day environmental impact. There is a complete overview of the processes that make up the refinery with a brief history of the processes. It also describes design, technique, operation and in the case of catalytic units, the chemistry of the reaction routes. These discussions are supported by calculation procedures and examples sufficient to enable good input to modern computer simulation packages. The Handbook also covers off sites and utilities as well as environmental and safety aspects relevant to the industry. **Handbook for Chemical Process Industries** Himanshu J

Patel, 2023-10-06 Chemical processing industry plays a pivotal role in the economy of a country as chemicals are required in every sphere of our lives. This book covers chemical processing of dyes, pigments, drugs and pharmaceutical products, fermented products, agrochemicals, explosives, polymers, Period II and III chemicals, chemicals, sugar, coatings, starches, soaps and detergents, paper, pulp, glass and cement. It includes sources of natural materials, collection, process, purification and extraction of different chemicals from natural materials like petroleum, coal and ores from the Earth. It includes manufacturing details of C1 to C4 and aromatic compounds obtained from natural materials. The book covers both traditional and modern sectors of the chemical processing industry. It provides knowledge on the properties of the chemical and manufacturing process such as raw materials, chemical reactions, quantitative requirement, flow sheet, diagram, procedure and its uses. The book is based on the author's expertise and has been developed with an awareness of the quantitative requirement for manufacturing chemicals. Data has been collected from industry, thus it will be useful to industry personnel.

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Petroleum Processing Handbook John J. McKetta Jr.,1992-04-30 A reference that details the pertinent chemical reactions and emphasizes the plant design and operations of petroleum processing procedures The handbook is divided into four sections products refining manufacturing processes and treating processes Wherever possible shortcut methods of calculation

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