

## Chemistry: A Reference Guide to Selected Resources

### Introduction

### Print Materials

Analytical Chemistry

Biochemistry

**Chemical Engineering**

Environmental and Agricultural  
Chemistry

Hazardous Chemicals and Toxicology

Inorganic Chemistry

Organic Chemistry

Physical Chemistry

Polymer Chemistry

Style Guides for Scientific Writing

### Searching the Online Catalog

### Subscription Databases

### Selected External Websites

### Chemical Industry Buyers' Guides

### Chemical Industry Directories

## Chemical Engineering

The following titles give the researcher a good place to begin when dealing with chemical processing and properties. Each title links to fuller bibliographic information in the [Library of Congress Online Catalog](#). While these titles are held by the Library, many of them will also be available through your local public or academic library.



**Ashford's Dictionary of Industrial Chemicals** by Robert D. Ashford

Call Number: TP200 .A79 2001

ISBN: 095226742X

Published/Created: 2001

*Ashford's Dictionary of Industrial Chemicals* provides information on over 6,000 products covering nearly all of the chemical industry including major commodity chemicals, plastics, intermediates, additives, and specialty chemicals. It is arranged alphabetically and gives information on properties, production, and use of each chemical.



**Encyclopedia of Chemical Processing** by Sunggyu Lee (Editor)

Call Number: TP9 .E657 2006

ISBN: 9780824755638

Published/Created: 2005

This encyclopedia supplies nearly 350 gold standard articles on the methods, practices, products, and standards influencing the chemical industries. It offers extensive A-Z treatment of the subject in five simultaneously published volumes, with comprehensive indexing of all five volumes in the back matter of each tome.



**Encyclopedia of Chemical Processing and Design** by John J. McKetta (Editor)

Call Number: TP9 .E66

ISBN: 0824724518

Published/Created: 1976

This resource provides information on the chemical processes, methods, practices, products, and standards in the chemical, and related, industries.



**Encyclopedia of Chemical Technology** by Wiley-Interscience Publication Staff (Editor); Kirk-Othmer (Editor)

Call Number: TP9 .K54 2004

ISBN: 9780471484943

Published/Created: 2004

The *Kirk-Othmer Encyclopedia of Chemical Technology* includes necessary adjustments and modernisation of the content to reflect changes and developments in chemical technology. Presenting a wide scope of articles on chemical substances, properties, manufacturing, and uses; on industrial processes, unit operations in chemical engineering; and on fundamentals and scientific subjects related to the field.



**Handbook of Industrial Chemistry and Biotechnology** by James A. Kent (Editor)

Call Number: TP145 .R53 2012

ISBN: 9781461442585

Published/Created: 2013

This handbook offers an overview and myriad details on current chemical processes, products, and practices.



**Materials Handbook** by Francis Cardarelli

Call Number: TA404.B .C37 2008

ISBN: 9781846286681

Published/Created: 2008

This book provides quick access to data on the physical and chemical properties of all classes of materials. Particular emphasis is placed on the properties of common industrial materials in each class.



**Perry's Chemical Engineers' Handbook** by Robert H. Perry; Don W. Green

Call Number: TP151 .P45 2008

ISBN: 0071422943

Published/Created: 2007

*Perry's Chemical Engineers' Handbook* provides coverage of every aspect of chemical engineering from fundamental principles to chemical processes and equipment to new computer applications.



**Perry's Standard Tables and Formulae for Chemical Engineers** by James G. Speight

Call Number: QD65 .S584 2003

ISBN: 0071387773

Published/Created: 2003

*Perry's Standard Tables and Formulae for Chemical Engineers* provides necessary information in a quick and concise manner for the various chemical properties and chemical processes of industrial operations.



**Ullmann's Encyclopedia of Industrial Chemistry** by Wiley-VCH Staff (Editor)

Call Number: TP9 .U57 2011

ISBN: 9783527329434

Published/Created: 2011

*Ullmann's* contains contributions from 3,000 authors from over 30 countries. 600 of the 1,050 articles have been thoroughly updated, 40 provide completely new content. Several hundred full color figures are placed throughout.