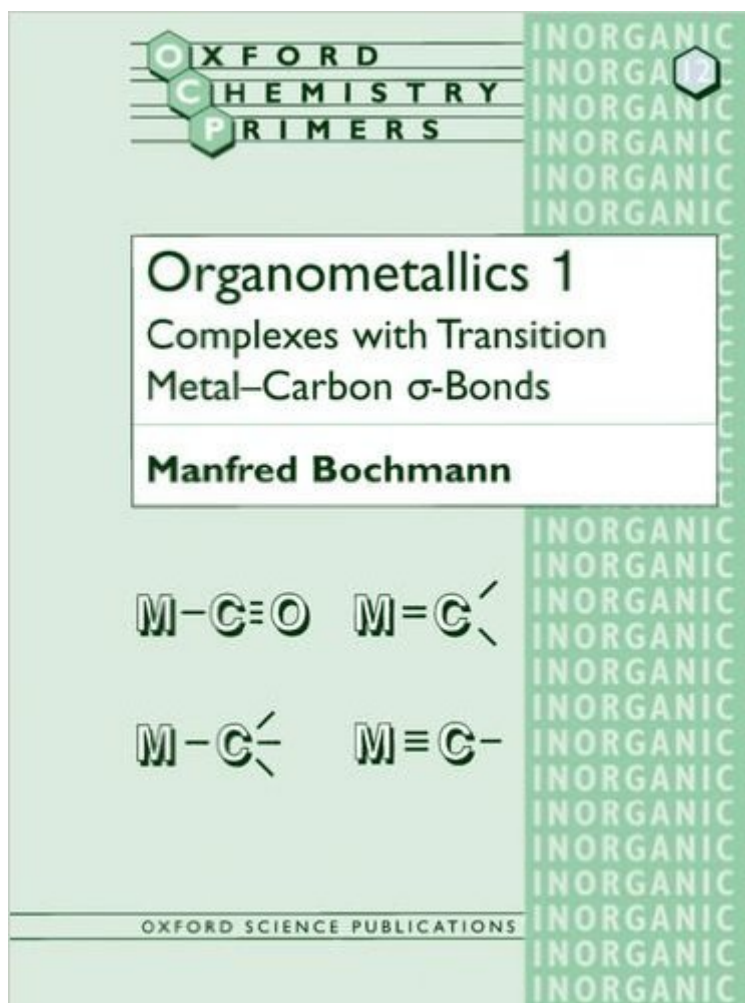


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Organometallics 1: Complexes With Transition Metal-Carbon σ -bonds (Oxford Chemistry Primers) (Vol 1)



Synopsis

The field of organometallic chemistry has seen explosive growth over the last forty years. On a fundamental level, new structural and bonding concepts have been discovered, while applications range from catalysis to new synthetic methods. This succinct text outlines the main classes of transition metal organometallic complexes and introduces the reader to the chemistry of compounds with metal-carbon bonds: metal carbonyls, metal alkyls, and metal alkylidenes and alkylidyne. The synthetic methods leading to each class of compounds are illustrated with pertinent examples, followed by the discussion of characteristic structures and reactivity patterns. The book stresses general principles and relates the material to specific applications such as catalytic processes. This book is ideal for supplying a quick overview of the discipline to students of chemistry.

Book Information

Series: Oxford Chemistry Primers (Book 12)

Paperback: 96 pages

Publisher: Oxford University Press; 1 edition (April 28, 1994)

Language: English

ISBN-10: 0198557507

ISBN-13: 978-0198557500

Product Dimensions: 9.8 x 0.3 x 7.4 inches

Shipping Weight: 7 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #1,741,888 in Books (See Top 100 in Books) #28 in [Books > Science & Math > Chemistry > Organic > Organometallic Compounds](#) #323 in [Books > Science & Math > Chemistry > Inorganic](#) #4448 in [Books > Textbooks > Science & Mathematics > Chemistry](#)

Customer Reviews

An excellent reference book for an organometallic class. Despite it's somehow short, it's a good source of information about this topic.

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