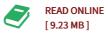


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## Organometallic Bonding and Reactivity: Fundamental Studies (Hardback)

By J M Brown, P Hofmann

Springer-Verlag Berlin and Heidelberg GmbH Co. KG, Germany, 1999. Hardback. Book Condition: New. 1999 ed.. 236 x 158 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*\*.General The making and breaking of carbon-metal bonds is fundamental to all the p- cesses of organometallic chemistry and moreover plays a significant role in - mogeneous as well as heterogeneous catalysis. This rather blunt statement - phasises the extent to which a proper understanding of the structure, energetics and reactivity of C-M bonds is at the core of the discipline. In order to accept it, a proper definition of the terms involved is required. Quite simply we define the metal-carbon bond in its broadest sense to embrace carbon linked to transiti- metals, lanthanides and actinides, and main group metals. We do not dist- guish between formally covalent single or multiple bonding on the one hand and q-bonding on the other. In the studies to be described in the following chapters, the emphasis will be on transition metal complexes and insofar as the fun- mentals come under scrutiny, simple metal alkyls or related species (metal al- nyl, alkynyl, aryl, or allyl) will play an emphatic part. The central role of metal...



## Reviews

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