



Chlorosulfonic Acid: A Versatile Reagent

By R J Cremllyn

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Since its discovery in 1854, chlorosulfonic acid has demonstrated that it is a truly versatile reagent. It is widely used as a sulfonating and chlorosulfonating agent, particularly of organic compounds, and it provides useful synthetic intermediates for many branches of industry. This book provides a detailed, up to date account of the reactions of chlorosulfonic acid with aliphatic, aromatic and heterocyclic compounds; reactions with elements and inorganic compounds are also discussed, along with the use of the reagent as a powerful acid catalyst, and halogenation and dehydrating agent. Finally, the commercial uses and manufacture of chlorosulfonic acid are reviewed. The detailed coverage in this book, coupled with the many references to recent work, will ensure that it is welcomed as a reference by synthetic chemists in, for example, the pharmaceutical, agrochemical, plastic and detergent industries. Researchers and their students in academia will also find it a valuable addition to their bookshelves.

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Editorial Review

Review

"The book is well produced and printed in the usual RSC format; the style is clear and the formulae are well presented ... there should be a copy of it in every library that covers chemistry." (*Australian Journal of Chemistry*, 2003, 56, p 341)

"This book constitutes an extraordinarily ambitious and comprehensive coverage of the many uses of chlorosulfonic acid ... a highly recommendable book. Anyone interested in working with chlorosulfonic acid, whether it be in academia or industry, should be advised to study this book first." (*Synthesis, Issue 2, 2003, p 315*)

"... useful reading for all involved in drug discovery, be they medicinal chemists or biologists, and is an ideal primer for busy research directors." (*Journal of Medicinal Chemistry*, 2003, Vol 46, No 7, p 1277-1278)

"... likely to prove very useful as a reference text ..." (*Journal of the Chemical Society, Perkin Transactions 1, No 23, 7 December 2002, p 2729-2730*)

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