



Acs Monograph Volume 7 (Paperback)

By American Chemical Society

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1922 Excerpt: .to the seventh groups, inclusive, the bases have the constitution: R_n , $jMnX$, where n is the valence of the element toward hydrogen. Thus, we have the organic bases: CH_3HgOH , $(CH_3)_2TiOH$, $(CH_3)_3SnOH$, $(CH_3)_4NOH$, $(CH_3)_3SOH$ and $(C H_5)_2IOH$. The strength of the organic bases depends upon their constitution. As hydrogen is substituted by organic groups, particularly alkyl groups, the strength of the base in general increases, although a marked increase does not take place until the substitution of the last hydrogen atom occurs, in which case the resulting base exhibits a maximum strength. Thus, monomethyl-, dimethyl- and trimethylammonium hydroxides are comparatively weak bases, while tetramethylammonium hydroxide is a base whose strength is practically the same as that of potassium hydroxide. The positive ions of the strong organic bases possess distinct metallic characteristics in their compounds. With a few exceptions, these ionic groups may not be obtained in a free...



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