



Catalysis and Its Industrial Applications (Paperback)

By Edgar Jobling

Theclassics.Us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1920 edition. Excerpt: . CHAPTER VI. Hydrogenation. I. The reduction of organic compounds by the old stock methods was always a tedious process. It is possible, however, to effect reduction in a simple straightforward manner by a method known as hydrogenation, i.e., by direct treatment with hydrogen of the substance to be reduced. The inception of this method is to be attributed to the researches of Sabatier and his collaborators, beginning in 1897, upon the capacity of certain metals when in the finely-divided state for inducing a remarkable activation of hydrogen. By the aid of a metallic catalyst of this sort, they found that the union of unsaturated compounds with gaseous hydrogen or the direct replacement of an element in a saturated compound with hydrogen could readily be effected in a manner which permits of great regulation and adaptation. The method has been employed by Sabatier and...



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