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## A Dictionary of Chemical Solubilities; Inorganic

By Arthur Messenger Comey

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. 1896 Excerpt: . we have an intermittent passivity. If a part of a piece of iron is immersed in strong acid, the whole of it is made passive. This is explained by the N<sub>0</sub> spreading over the whole surface by capillarity. The passivity ceases when the Fe is placed in dil. acid, after a longer or shorter time, according to the dilution of the acid, --when the acid has sp. gr. = 1-30, after 11 days 1-28 5, 1-26 32 hours 1-16 12 Iron may also be made passive by long standing in N<sub>0</sub> gas under pressure. (Varenne, C. R. 90. 998.) Fe is made passive by a coating of Fe<sub>3</sub>O<sub>4</sub>, not by N<sub>0</sub>. (Schonbein, Pogg. 39. 342.) (Beetz, Pogg. 67. 286.) (Ramann, B. 14. 1430.) Passivity may also be caused by NH<sub>4</sub>N<sub>0</sub>3 + Aq, ammoniacal AgN<sub>0</sub>3 + Aq, Fe(N<sub>0</sub>3)<sub>3</sub>, Fe(N<sub>0</sub>3)<sub>2</sub>, Al(N<sub>0</sub>3)<sub>3</sub>, Co(N<sub>0</sub>3)<sub>2</sub>, Ni(N<sub>0</sub>3)<sub>2</sub>, etc. + Aq instead...



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