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THE PEROXYMONOCARBONATE ANIONS A BLEACHING AGENTS. PART 1. RESULTS W MODEL COMPOUNDS AND CHEMICAL PU

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Abstract

The peroxymonocarbonate mono-anion (HCO4–) is generated when the to a H2O2 solution. The mono-anion is believed to have a pKa value of start dissociating to the di-anion (CO42–) at pH ca. 8. The mono-anior electrophilic properties, while the di-anion should be a nucleophile. In process such as soda/AQ, Na2CO3 could be obtained from the chemic carbonated with CO2 from a flue gas stream to produce NaHCO3. In s need to be purchased to generate the peroxymonocarbonate (PMC) ar also be produced from the carbonation of solutions containing NaOH, N One or both of the PMC anions was found to be effective in oxidizing ty