

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
46	Benzoate ion	$\text{O}^{\cdot -} + \text{C}_6\text{H}_5\text{CO}_2^- \longrightarrow \text{OH}^- + \text{HOC}_6\text{H}_5\text{CO}_2^-$	14	$\sim 4 \times 10^7$	p.r.; P.b.k.; cor. for ·OH; $k_{obs} = 8.5 \times 10^7$ .	720047; 720107