

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )
645	Ethylene	$\cdot\text{OH} + \text{H}_2\text{C}=\text{CH}_2 \longrightarrow \cdot\text{CH}_2\text{CH}_2\text{OH}$	$1.7 \times 10^9$	$4.4 \times 10^9$ p.r.; C.k. with $\text{SCN}^-$ in $\text{H}_2\text{SO}_4$ soln. and with $\text{HCO}_3^-$ ; details not given; rel. to $k(\cdot\text{OH} +$