

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments
259	Acetylene	$\cdot\text{OH} + \text{HC}\equiv\text{CH} \longrightarrow \cdot\text{CH}=\text{CHOH}$			$4.7 \times 10^9$
			$4.5 \times 10^9$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$ .	78A007
			$4.0 \times 10^9$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{Fe}(\text{CN})_6^{4-})$ .	78A007