

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1089	1-Propanol	. OH + CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH $\longrightarrow$		2.8 × 10 <sup>9</sup>	Average of 3 values.	
		H <sub>2</sub> O + CH <sub>3</sub> CH <sub>2</sub> CHOH (53.4 %) +				
		CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH +				
		CH <sub>3</sub> CHCH <sub>2</sub> OH (46 %)				
			nat.	3.0 × 10 <sup>9</sup>	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{Fe}(\text{CN})_6^{4-})$ .	710578
			10.7	2.9 × 10 <sup>9</sup>	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{CO}_3^{2-})$ .	650190
			7	2.5 × 10 <sup>9</sup>	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$ .	650387