

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments
614	Dimethyl sulfoxide	$\cdot\text{OH} + \text{CH}_3\text{SOCH}_3 \longrightarrow (\text{CH}_3)_2\text{SO}(\text{OH})$		6.6×10^9	Average of 3 values.
			7.0×10^9	p.r.; Cond. buildup; ($\rightarrow \text{R} + \text{RSO}_2^- + \text{H}^+$).	80A014
			5.8×10^9	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	731077
			7.0×10^9	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	670186