

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
592	Dimethyl disulfide	$\cdot\text{OH} + \text{CH}_3\text{SSCH}_3 \longrightarrow \text{OH}^- + [\text{CH}_3\text{SSCH}_3]^+$	$\sim 4$	$1.7 \times 10^{10}$	p.r.; P.b.k.; obs. radical cation formn. ( $\sim 50\%$ OH addn.); same rate constant by c.k. with $\text{SCN}^-$ .	751089