

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
526	trans-1,2-Dichloroethylene	$\cdot\text{OH} + \text{ClCH=CHCl} \longrightarrow \text{CHCl(OH)CHCl}$		6.2×10^9	Average of 2 values.	
			~ 6.5	5.0×10^9	p.r.; P.b.k. (condy.) (Cl^-); ($\text{CHClOHCHCl} \rightarrow \text{H}^+ + \text{Cl}^- + \text{CHOCHCl}$).	710709
			~ 6.5	7.3×10^9	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	710709