

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
279	Acrylonitrile	$\cdot OH + H_2C=CHCN \longrightarrow HOCH_2CHCN$		4.0×10^9	Average of 2 values.	
			7-7.2	5.2×10^9	p.r.; C.k.; rel. to $k(\cdot OH + SCN^-)$.	80A240
			10.9	2.8×10^9	p.r.; C.k.; rel. to $k(\cdot OH + CO_3^{2-})$.	79A144