

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
20	Dimethylglyoximenickel(II)	$\text{O}^- + \text{Ni}(\text{dmg})_3^{4-} \longrightarrow \text{OH}^- + \text{Ni}(\text{dmg})_3^{3-}$	> 13	$2.5 \times 10^9$	p.r.; P.b.k. at 440 nm in N <sub>2</sub> O-satd. soln. contg. $5 \times 10^{-5}$ mol L <sup>-1</sup> NiSO <sub>4</sub> , $2 \times 10^{-4}$ mol L <sup>-1</sup> dimethylglyoxime and 0.5 mol L <sup>-1</sup> NaOH; includes oxidation of free ligand.	720584