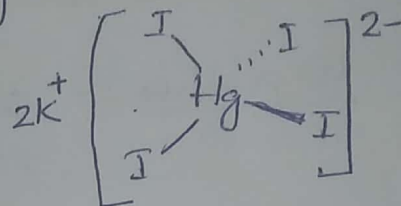
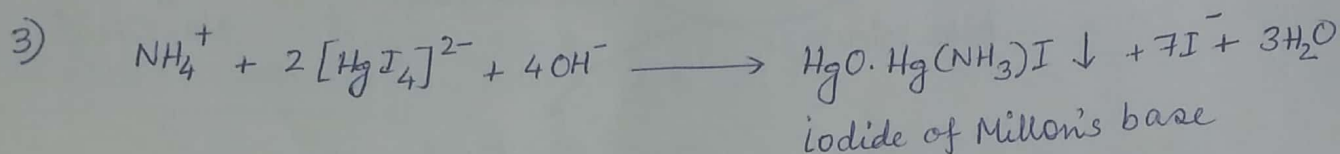


Nessler's reagent: 1) Alkaline solution of K_2HgI_4

2) 0.09 mol/L solution of K_2HgI_4
+
2.5 mol/L potassium KOH

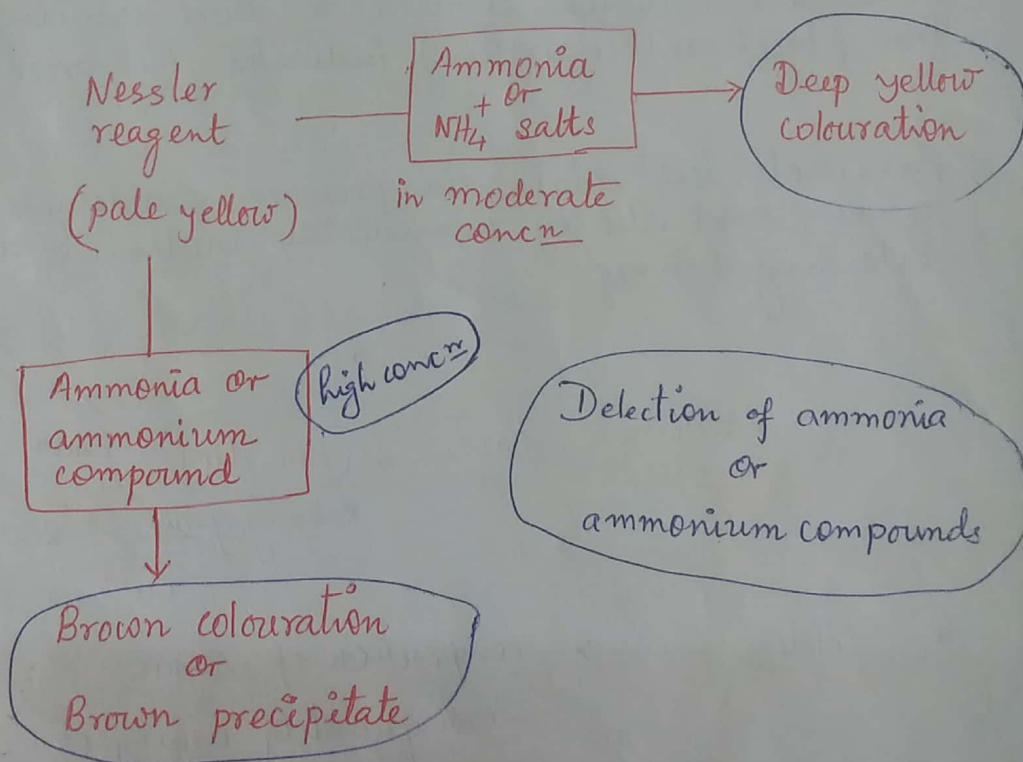


composition



The formula of brown precipitate is given as $3HgO \cdot Hg(NH_3)_2I_2$
and $NH_3 \cdot Hg_2I_3$.

Colour change:



Use: a) For qualitative detection of ammonia and ammonium compounds.