Pure yellow crystal, soluble in water, easily decomposed by acid, light, heat and metal (iron, zinc, copper, etc.).Industrial products are mostly lemon yellow alkaline solution (pH value: $13 \sim 14$), containing 170g/L sodium bromide;Low temperature (0 °C) was stable, high temperature and normal temperature, accelerate its decomposition rate with light;Under a pH value of 9.2, the generation of atomic oxygen has the function of bleaching and desizing.