ABSTRACT

Ink of the present invention is used in an on-demand ink-jet printing system wherein droplets of ink are discharged through a nozzle by heating, and comprises (i) a colorant, (ii) a chelating agent which links with a metal ion to form a water-soluble complex and (iii) water or a mixture of water and a water-soluble organic solvent, wherein the chelating agent is contained in the amount enough to convert the metal ion in ink into the complex and the pH is from 6 to 10, thereby making it possible to prevent that an insoluble matter derived from the metal ion is adhered on a heating head to cause clogging of the orifice and printing failures.