

ABSTRACT

An adhesive composition for forming an adhesive layer to be in contact with a resin on a surface of a metal, including: a low molecular weight organic compound having two or more nitrogen atoms in one molecule; and at least one metal ion selected from the group consisting of a trivalent aluminum ion and a trivalent chromium ion, wherein the resin is a curable resin, and the adhesive composition is an aqueous solution having a pH of 12 or less and has a concentration of the low molecular weight organic compound of 0.01 to 150 g/L and a molar concentration of the at least one metal ion of 0.005 to 100 mmol/L. The adhesive composition can improve adhesion between surfaces of multiple metals and a resin.