

ABSTRACT

5 The present invention relates to the field of material technologies, and more particularly
to a compound dispersant which is composed of distilled water, a nonionic surfactant, an
anionic surfactant and a wetting agent. The nonionic surfactant is a Tween compound, the
anionic surfactant is a hydrocarbyl sulfonate salt compound, and the wetting agent is an amide
compound; and the compound dispersant can block or slow down agglomeration of graphene
in a dispersion solution. The present invention further relates to a preparation method of the
compound dispersant, which is used for preparing the compound dispersant and is simple to
10 operate. The present invention further relates to a mixed electroplating solution containing the
compound dispersant, in which the graphene is dispersed uniformly and stably. The present
invention further relates to a preparation method of the mixed electroplating solution, in which
graphene is distributed uniformly and stably.

15 No Figure