

COMPOSITION FOR SURFACE VOLTAGE REDUCTION IN DISTILLATE FUEL

ABSTRACT

Additive composition mixtures and methods for synergistically maintaining low surface voltages of distillate fuels that include a synergistic conductivity improver additive composition for a distillate fuel. The additive composition includes: A) a mixture of (i) alkenyl polysulfone polymer, (ii) C16-C24 substituted maleic/polyamine copolymer, (iii) sulfonic acid, and (iv) aromatic solvent; and B) a mixture of (i) alkenyl polysulfone polymer, (v) polymeric reaction product of a C8-C18 aliphatic amine or diamine with epichlorohydrin; (iii) sulfonic acid, (iv) aromatic solvent; and optionally (vi) a quaternary ammonium compound. The additive composition contains from 30 to 60 wt.% component (A) and from 30 to 60 wt.% component (B) based on a total weight of the additive composition.

No Suitable Figure