Claims

1. Mixture containing
   (a) metal particles and
   (b) an organic compound represented by Formula I: R^1-COR^2 (I),
   whereby R^1 is an aliphatic residue having 8 to 32 carbon atoms, and R^2 comprises either the -OM moiety or the –X-R^3 moiety, whereby M is a cation and whereby X is selected from the group consisting of O, S, N-R^4, and whereby R^3 is a hydrogen atom or an aliphatic residue, and R^4 is a hydrogen atom or an aliphatic residue,
   whereby the molar ratio of carbon present in organic compound (b) to oxygen present in metal particles (a) is in the range of 3 to 50.

2. Mixture according to claim 1, whereby at least one metal of metal particles (a) is selected from the group consisting of silver, copper, nickel, aluminium as well as alloys and mixtures thereof.

3. Mixture according to claim 1 or 2, whereby at least one metal of metal particles (a) is selected from the group consisting of silver, copper, and mixtures of copper and silver.

4. Mixture according to any one or more of the preceding claims, whereby organic compound (b) is a C_8-C_{36} fatty acid, preferably a C_8-C_{24} fatty acid, more preferably a C_{12}-C_{18} fatty acid.

5. Mixture according to any one or more of the preceding claims, whereby organic compound (b) is selected from the group consisting of octanoic acid, stearic acid, lauric acid, palmitic acid, and any mixtures thereof.

6. Mixture according to any one or more of the preceding claims, whereby the paste contains an additional polymer that comprises oxygen atoms.

Claims

1. Mixture containing
   (a) metal particles and
   (b) an organic compound represented by Formula I: R^1-COR^2 (I),
   whereby R^1 is an aliphatic residue having 8 to 32 carbon atoms, and R^2 comprises either the -OM moiety or the –X-R^3 moiety, whereby M is a cation and whereby X is selected from the group consisting of O, S, N-R^4, and whereby R^3 is a hydrogen atom or an aliphatic residue, and R^4 is a hydrogen atom or an aliphatic residue,
   whereby the molar ratio of carbon present in organic compound (b) to oxygen present in metal particles (a) is in the range of 3 to 50.

2. Mixture according to claim 1, whereby at least one metal of metal particles (a) is selected from the group consisting of silver, copper, nickel, aluminium as well as alloys and mixtures thereof.

3. Mixture according to claim 1 or 2, whereby at least one metal of metal particles (a) is selected from the group consisting of silver, copper, and mixtures of copper and silver.

4. Mixture according to any one or more of the preceding claims, whereby organic compound (b) is a C_8-C_{30} fatty acid, preferably a C_8-C_{24} fatty acid, more preferably a C_{12}-C_{18} fatty acid.

5. Mixture according to any one or more of the preceding claims, whereby organic compound (b) is selected from the group consisting of octanoic acid, stearic acid, lauric acid, palmitic acid, and any mixtures thereof.

6. Mixture according to any one or more of the preceding claims, whereby the paste contains an additional polymer that comprises oxygen atoms.