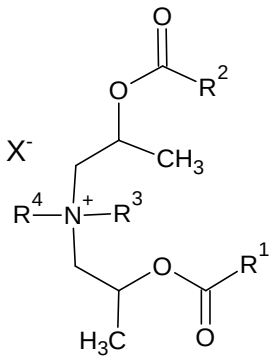
Claims

1. A composition for reducing the drying time of solid substrates, preferably of keratin substrates, more preferably of human keratin substrates, further more preferably of human hair, comprising:

a) One or more quaternary ammonium surfactant(s) according to the following general structure



with the provision that R^1 and R^2 are C_{11}-C_{21} linear or branched, saturated or unsaturated hydrocarbon groups, which may be the same or different and may be optionally substituted with one or more substituents selected from halogen, hydroxyl, amino, and C_1-C_4 alkoxy,

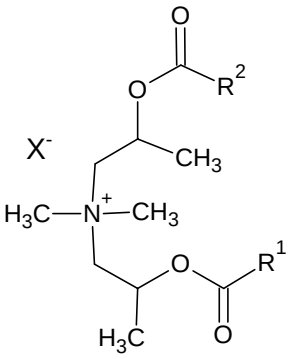
R^3 and R^4 are C_1-C_3 linear or branched hydrocarbon groups, which may be the same or different, and X^- is selected from Cl^-, Br^-, I^-, sulfate, and methosulfate,

b) one or more dimethylpolysiloxane(s) having a weight average molecular weight M_w in the range of 190 g/mol to 6000 g/mol determined by gel permeation chromatography,

wherein the total concentration of compounds according to a) is in the range of 0.1% to less than 5% by weight, calculated to the total weight of the composition, and

wherein the weight ratio of the compounds a) to b) is in the range of 0.075 to 8.

2. The composition according to claim 1 characterized in that the compound according to a) has the following general structure



with the provision that R^1 and R^2 are C_{11}-C_{21} linear or branched, saturated or unsaturated hydrocarbon groups, which may be the same or different and may be optionally substituted with one or more substituents selected from halogen, hydroxyl, amino, and C_1-C_4 alkoxy, and X^- is selected from Cl^-, Br^-, I^-, sulfate, and methosulfate, preferably it is bis-(isostearoyl/oleoyl isopropyl) dimonium methosulfate.

3. The composition according to claims 1 and/or 2 characterized in that the total concentration of compounds according to a) is in the range of 0.1% by weight to less than 5% by weight, preferably in the range of 0.2% by weight to 4% by weight, more preferably in the range of 0.5% by weight to 3% by weight, still more preferably in the range of 0.5% by weight to 2% by weight, still more preferably in the range of 1% by weight to 2% by weight, calculated to the total weight of the composition.

4. The composition according to any of the preceding claims characterized in that the total concentration of compounds according to b) is in the range of 0.2% to 20% by weight, preferably in the range of 0.2% to 15% by weight, more preferably in the range of 0.5% to 15% by weight, further more preferably in the range of 1% to 10% by weight, still further more preferably in the range of 2% to 5% by weight, calculated to the total weight of the composition.

5. The composition according to any of the preceding claims characterized in that the weight ratio of the compounds a) to b) is in the range of 0.07 to 8, preferably in the range of 0.15 to 3, more preferably in the range of 0.3 to 1, still further more preferably in the range of 0.4 to 0.8.

6. The composition according to any of the preceding claims characterized in that the composition further comprises one or more lipophilic compound(s) as compound according to c) different from the compounds according to b).

7. The composition according to any of the preceding claims characterized in that it comprises one or more lipophilic compound(s) as compounds according to c) selected from fatty alcohols having a branched or linear, saturated or unsaturated C_{12} to C_{22} alkyl chain, esters of alcohols having a linear or branched C_3 to C_{18} alkyl chain with fatty acids having a linear or branched, saturated or unsaturated C_{12} to C_{22} alkyl chain, vegetable oils, and petrolatum-based products, and/or their mixtures.

8. The composition according to any of the preceding claims characterized in that one or more lipophilic compound(s) as compound according to c) is selected from fatty alcohols having branched or linear, saturated or unsaturated C_{14} to C_{18} alkyl chains, preferably saturated C_{14} to C_{18} alkyl chains, and/or their mixtures, more

preferably it is a mixture of fatty alcohols having saturated and linear C_{14} and C_{16} alkyl chains.

9. The composition according to any of the preceding claims characterized in that the total concentration of compounds according to c) is in the range of 0.1% to 10% by weight, preferably 0.5% to 6% by weight, more preferably 0.75% to 4% by weight, calculated to the total weight of the composition.

10. The composition according to any of the preceding claims characterized in that the pH of the composition is in the range of 3 to 8, preferably in the range of 3.5 to 7, more preferably in the range of 3.5 to 6.5, further more preferably in the range of 3.5 to 4.5.

11. The composition according to any of the preceding claims characterized in that it comprises one or more surfactant(s) different from a), preferably selected from cationic surfactants and/or non-ionic surfactants.

12. The composition according to any of the preceding claims characterized in that it is an emulsion.

13. A method for reducing the drying time of solid substrates, preferably of keratin substrates, more preferably of human keratin substrates, further more preferably of human hair comprising the steps of:

a) contacting the solid substrate with an aqueous composition,

b) applying the composition according to any of the claims 1 to 12 onto the substrate,

c) leaving the composition onto the substrate for a time period of 10 s to 600 s,

d) rinsing-off the solid substrate with water,

e) leaving the solid substrate for allowing drainage of water,

f) optionally drying the substrate with a heating device delivering an air temperature in the range of 35°C to 230°C.

14. The method according to claim 13 characterized in that between steps d) and f) no towel drying is performed.

15. Use of a composition as defined in the claims 1 to 12 for enhancing water drainage from solid substrates.