CLAIMS

1. A core-shell microcapsule slurry comprising at least one microcapsule having

a) an oil-based core;

b) a polymeric shell formed by interfacial polymerisation in the presence of an anionic or amphiphilic biopolymer; and

c) a coating comprising a cationic polymer;

wherein the weight ratio between the biopolymer and the cationic polymer in the slurry is comprised between 0.2 and 20;

wherein the anionic or amphiphilic biopolymer is selected from the group consisting of gum Arabic, soy protein, sodium caseinate, gelatin, bovine serum albumin, sugar beet pectin, hydrolyzed soy protein, hydrolyzed sericin, Pseudocollagen, mixture of hyaluronic acid and albumen and dextran sulfate, mixture of hydrolyzed wheat gluten and ceratonia siliqua carob gum and sodium dextran sulfate, a mixture of gum Arabic and glycoproteins and mixtures thereof; and

wherein the cationic polymer is selected from the group consisting of dimethylallylammonium chloride homopolymer, copolymer of dimethyl diallyl ammonium chloride with acrylamide, hydroxypropyl trimethyl ammonium chloride ether of hydroxyethyl cellulose, quaternized copolymer of polyvinyl pyrrolidone and dimethylaminoethyl methacrylate, guar hydroxypropyl trimethyl ammonium chloride functionalized polysaccharide, quaternized chitosan, quaternized proteins, collagens, keratins, aminosilicones and mixtures thereof

or wherein the cationic polymer is selected from the group consisting of a cationic acrylic copolymer, a cationic homopolymer of diallyl dimethyl ammonium chloride , a cationic co-polymer of diallyl dimethyl ammonium chloride and acrylamide, a cationic hydroxyethyl cellulose, cationic guar gum, 2-hydroxy-3- (trimethylammonium)propyl ether chloride, laurdimonium hydroxypropyl hydrolysed collagen, hydrolysed wheat protein PG-propyl silanetriol, vinyl amine/vinyl alcohol copolymer, or cationic amino functional silicone, PEG-7 amodimethicone and mixtures thereof.

2. A slurry according to claim 1, wherein the weight ratio between the biopolymer and the cationic polymer in the slurry is comprised between 0.5 and 2.0.

3. A slurry according to claim 1 or 2, wherein the cationic polymer is selected from the group consisting of Laurdimonium hydroxypropyl hydrolysed collagen, guar hydroxypropyltrimonium chloride, polyquaternium PQ10, polyquaternium PQ6, polyquaternium PQ7, acrylamidopropyltrimonium chloride / acrylamide copolymer and mixtures thereof.

4. A slurry according to any one of claims 1-3, wherein the oil comprises a perfume.

5. A slurry according to any one of claims 1-4, where the shell is polyurea-based.

6. A slurry according to any one of claims 1-4, where the shell is polyurethane-based.

7. A microcapsule powder obtained by drying the slurry as defined in any one of claim 1-6.

8. A process for the preparation of microcapsule slurry as defined in any one of claims 1 to 6, comprising the following steps:

a) Dissolving at least one polyisocyanate having at least two isocyanate groups in an oil to form an oil phase;
b) Preparing an aqueous solution of an anionic or amphiphilic biopolymer to form a water phase;
c) Adding the oil phase to the water phase to form an oil-in-water dispersion, wherein the mean droplet size is comprised between 1 and 500 μm, preferably between 5 and 50 μm;
d) Applying conditions sufficient to induce interfacial polymerisation and form microcapsules in form of a slurry;
e) Adding a cationic polymer; and
f) Optionally drying the capsule slurry to obtain a microcapsule powder;

wherein the biopolymer and the cationic polymer are added in amounts such that the weight ratio between the biopolymer and the cationic polymer in the slurry is comprised between 0.2 and 20 .

9. A process according to claim 8, wherein under step d) a polyamine is added to the dispersion.

10. A process according to claim 8, wherein under step d), a polyol is added to the dispersion.

11. A process according to claim 8, wherein step d) is performed in the absence of added polyamine.

12. A process according to any one of claims 8-11, wherein the oil comprises a perfume or flavour added in an amount comprised between 20 to 50% by weight relative to the total weight of the microcapsules slurry.

13. A process according to any one of claims 8-12, wherein the biopolymer is used in an amount comprised between 0.1 and 5 wt% relative to the total weight of the microcapsule slurry.

14. A process according to any one of claims 8-13, wherein the cationic polymer is used in an amount comprised between 0.1 and 5 wt% in the slurry.

15. A perfuming composition comprising

(i) perfume microcapsules slurry as defined in claim 4 or microcapsule powder as defined in claim 7 wherein the oil comprises a perfume;

(ii) at least one ingredient selected from the group consisting of a perfumery carrier and a perfuming co-ingredient; and

(iii) optionally a perfumery adjuvant.

16. A consumer product, in the form of a home- or personal-care product, comprising microcapsule slurry as defined in claim 4, or microcapsule powder as defined in claim 7 wherein the oil comprises a perfume, or a perfuming composition as defined in claim 15.

17. A consumer product according to claim 16, selected from the group consisting of a shampoo, a shower gel, a rinse-off conditioner and a soap bar.

18. A method for improving deposition of microcapsules on a surface, which comprises treating said surface with a perfuming composition as defined in claim 15 or a consumer product as defined in claim 16.