CLAIMS

1. A process for the preparation of a core-shell microcapsule slurry comprising the following steps:

a) dissolving at least one polyfunctional monomer, in a hydrophobic material, preferably a perfume to form an oil phase;

b) dispersing the oil phase obtained in step a) into an aqueous solution comprising a polysuccinimide derivative to form an oil-in-water emulsion; and

c) performing a curing step to form core-shell microcapsules in the form of a slurry, wherein the polysuccinimide derivative is obtained by grafting at least one amine to at least one succinimide repeating unit.

2. The process according to claim 1, wherein the amine is chosen in the group consisting of 1-Dodecylamine (DDA), 1-decylamine, dopamine, 2-aminoethan-1-ol, 3-amino-propan-1-ol, 6-amino-hexan-1-ol and mixtures thereof.

3. The process according to claim 1 or claim 2, wherein the polysuccinimide derivative is chosen in the group consisting of polysuccinimide-co-poly(n-ethylaspartamide), polysuccinimide-co-poly(n-butylaspartamide), polysuccinimide-co-poly(n-hexylaspartamide), polysuccinimide-co-poly(n-dodecylaspartamide), polysuccinimide-co-poly(n-dodecylaspartamide)-co-poly(3,4-dihydroxybenzylaspartamide) and mixtures thereof.

4. The process according to any one of the preceding claims, wherein the polysuccinimide derivative is used in an amount comprised between 0.1 and 5% by weight, relative to the total weight of the emulsion obtained in step b).

5. The process according to any one of the preceding claims, characterized in that there is used an amount of between 0.5 and 10%, preferably between 2 and 3% of the polyfunctional

monomer, these percentages being defined by weight relative to the total weight of the oil phase.

6. The process according to any one of the preceding claims, wherein the polyfunctional monomer in the oil phase is chosen in the group consisting of at least one polyisocyanate, polyanhydride; poly acyl chloride; polyepoxide; acrylate monomers; polyalkoxysilane, and mixtures thereof.

7. The process according to claim 6, wherein the monomer is at least one polyisocyanate having at least two isocyanate groups.

8. The process according to any one of the preceding claims, wherein the aqueous phase comprises a reactant chosen in the group consisting of a polyamine, a polyol or a mixture thereof.

9. A core-shell microcapsule comprising:

- an oil based core comprising a hydrophobic material, and

- a shell formed from the reaction between a polyfunctional monomer and a polysuccinimide derivative, wherein the polysuccinimide derivative is obtained by grafting at least one amine to at least one succinimide repeating unit.

10. The microcapsules according to claim 9, wherein the zeta potential of said microcapsules are comprised between -50 and -120mV.

11. A perfuming composition comprising

(i) Perfume microcapsules as defined in claims 9-10, wherein the hydrophobic material comprises a perfume,

(ii) At least one ingredient selected from the group consisting of a perfumery carrier and a perfumery base, and

(iii) Optionally at least one perfumery adjuvant.

12. A consumer product comprising:

a) a personal care active base, and

b) microcapsules as defined in claims 9 or 10 or the perfuming composition as defined in claim 11,

wherein the consumer product is in the form of a personal care composition.

13. A consumer product comprising:

a) a home care or a fabric care active base, and

b) microcapsules as defined in claims 9 or 10 or the perfuming composition as defined in claim 11,

wherein the consumer product is in the form of a home care or a fabric care composition.