

Claims:

1. An encapsulated composition comprising at least one core-shell microcapsule, wherein the at least one core-shell microcapsule comprises a core comprising at least one benefit agent and a shell surrounding the
5 core, wherein the shell comprises a polyurea resin formed by reaction of at least one trifunctional isocyanate with at least one polyfunctional amine not being chitosan, wherein the at least one trifunctional isocyanate is an adduct of an aliphatic triol with at least one araliphatic diisocyanate, wherein the weight ratio between moieties of the polyurea resin, which are
10 derived from the trifunctional isocyanate, and the core is between 0.09 and 0.30, preferably between 0.10 and 0.20, more preferably between 0.11 and 0.18, and wherein the shell additionally comprises chitosan.
2. The composition according to claim 1, wherein the aliphatic triol is selected
15 from the group consisting of 2-ethylpropane-1,2,3-triol and 2-ethyl-2-(hydroxymethyl)propane-1,3-diol, preferably 2-ethylpropane-1,2,3-triol.
3. The composition according to one of claims 1 or 2, wherein the at least one araliphatic diisocyanate is selected from the group consisting of 1,2-bis(isocyanatomethyl)benzene, 1,3-bis(isocyanatomethyl)benzene, 1,4-bis(isocyanatomethyl)benzene,
20 1-isocyanato-2-(isocyanatomethyl)benzene, 1-isocyanato-3-(isocyanatomethyl)benzene and 1-isocyanato-4-(isocyanatomethyl)benzene.
- 25 4. The composition according to claim 1, wherein the at least one trifunctional isocyanate is an adduct of 2-ethylpropane-1,2,3-triol and 1,3-bis(isocyanatomethyl)benzene.
5. The composition according to one of claims 1 to 4, wherein the chitosan is
30 deposited on an outer surface of the shell surrounding the core and/or the chitosan is entrapped in the shell surrounding the core.
6. The composition according to one of claim 5, additionally comprising free chitosan.

7. The composition according to one of claims 1 to 4, wherein the polyurea resin is formed by reaction of the at least one trifunctional isocyanate with the at least one polyfunctional amine not being chitosan and with the chitosan.
8. The composition according to one of claims 1 to 7, wherein the polyurea resin is formed by reaction of the at least one trifunctional isocyanate and a water-dispersible polyisocyanate with the at least one polyfunctional amine not being chitosan, and optionally with the chitosan.
9. The composition of according to one of claims 1 to 8, wherein the water-dispersible polyisocyanate is a water-dispersible polyisocyanate based on hexamethylene diisocyanate.
10. The composition according to one of claims 1 to 9, wherein the polyfunctional amine not being chitosan is a poly(ethyleneimine).
11. The composition according to one of claims 1 to 10, wherein shell additionally comprises a cationic polymer.
12. The composition according to one of claims 1 to 11, wherein the weight ratio between the chitosan and/or moieties of the polyurea resin, which are derived from the chitosan, and the core is between 0.002 and 0.01, preferably between 0.004 and 0.008, more preferably between 0.006 and 0.007.
13. The composition according to one of claims 1 to 12, wherein the chitosan has an average molecular weight of from 5'000 to 1'000'000 g/mol, preferably from 7'500 to 500'000 g/mol, still more preferably from 10'000 to 250'000 g/mol.
14. The composition according to one of claim 1 to 13, wherein the chitosan has an average deacetylation grade of higher than 60 %, more particularly higher than 70 %, still more particularly higher than 80 %.

15. The composition according to one of claims 1 to 14, wherein the benefit agent is selected from the group consisting of at least one perfume ingredient and at least one cosmetic ingredient.
- 5 16. A method for preparing an encapsulated composition, in particular an encapsulated composition according to one of claims 1 to 15, the method comprising the steps of:
- 10 a) Providing a core composition comprising at least one trifunctional isocyanate, optionally a water dispersible polyisocyanate, and at least one benefit agent;
- b) Mixing the core composition with water and optionally a cationic copolymer;
- 15 c) Emulsifying the mixture obtained in b) in order to obtain core composition droplets having a volume average size of 1 to 100 μm , preferably 5 to 50 μm , even more preferably 10 to 20 μm ;
- 20 d) Adding at least one polyfunctional amine not being chitosan, preferably while keeping the mixture obtained in c) under stirring;
- e) Heating progressively the mixture obtained in d) to a temperature of from 60 to 95 $^{\circ}\text{C}$, preferably from 80 to 90 $^{\circ}\text{C}$, preferably over a
25 period of time from 2 hours to 4 hours, for example 3 ± 0.5 hours;
- f) Adding chitosan to the mixture obtained in step e), and preferably maintaining the mixture at the temperature applied in step e), in particular over a period of time from 1 to 5 hours, for example $2 \pm$
30 0.5 hours or 4.5 ± 0.5 hours;
- g) Letting the mixture obtained in f) cool down to room temperature, in order to obtain a slurry of microcapsules,

wherein the weight of the trifunctional isocyanate used in step a) in relation to the weight of the core composition provided in step a) is between 8 and 20 wt.-%, preferably between 9 and 16 wt.-%, more preferably between 10 and 12 wt.-%.

- 5
17. The method according to step 16, wherein the mixture formed in step b) is allowed to stand without stirring until the core composition and the water phase separate.
- 10 18. An encapsulated composition obtainable by the method according to one of claims 16 or 17.
19. Use of an encapsulated composition according to one of claims 1 to 15 or 18 to enhance the performance of a benefit agent in a consumer product.
- 15
20. A consumer product comprising an encapsulated composition according to one of claims 1 to 15 or 18, wherein the consumer product is preferably a hair care product, in particular selected from the group consisting of a shampoo and a hair conditioner.