Claims

1. A process for preparing an encapsulated fragrance composition, the composition comprising a plurality of microcapsules dispersed in a dispersion medium, the microcapsules comprising a core and a shell around the core, the process comprising the consecutive steps of:

a) Providing an aqueous phase (I) comprising at least one anionically modified polyisocyanate (A);

b) Providing an organic phase (II) comprising at least one fragrance ingredient;

c) Mixing the aqueous phase (I) and the ~~an~~ organic phase (II) to obtain a mixture;

d) Forming an emulsion comprising droplets of the organic phase (II) in the continuous aqueous phase (I);

e) Adding at least one polyfunctional amine;

f) Effecting formation of shells around the droplets formed in step d), to obtain a dispersion of microcapsules;

Wherein the process comprises the additional step of:

Adding a polyisocyanate (B), which is different from polyisocyanate (A)~~,~~;

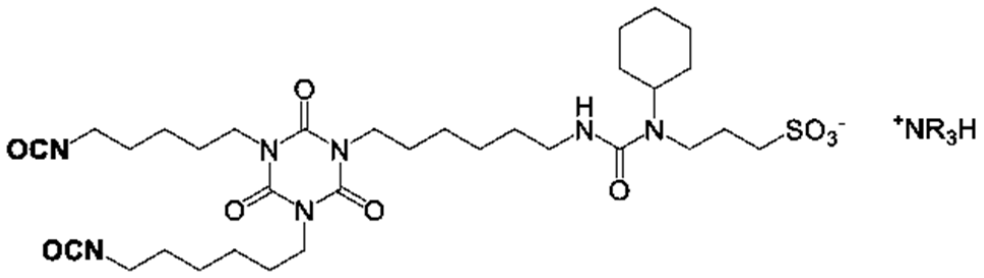
Wherein polyisocyanate (B) is added during step c), or polyisocyanate (B) is added after step c) and before step d), or polyisocyanate (B) is added during step d).

~~2. The process according to claim 1, wherein polyisocyanate (B) is added during step c).~~

~~3. The process according to claim 1, wherein polyisocyanate (B) is added after step c) and before step d).~~

~~4. The process according to claim 1, wherein polyisocyanate (B) is added during step d).~~

~~5.~~2. A process according to claim 1 ~~one of claims 1 to 4~~, wherein the anionically modified polyisocyanate (A) is according to Formula (1).



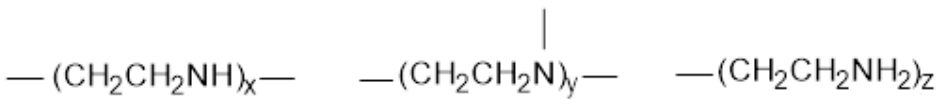
Formula (1)

~~6.~~3. A process according to one of claims 1 or 2~~to 5~~, wherein the aqueous phase (I) provided in step a) additionally comprises a dispersion aid different from anionically modified polyisocyanate (A), in particular a non-ionic dispersion aid.

~~7.~~4. A process according to one of claims 1 to 3~~6~~, wherein polyisocyanate (B) is a non-ionic polyisocyanate.

~~8.~~5. A process according to claim 4~~7~~, wherein the non-ionic polyisocyanate is selected from the group consisting of dicyclohexylmethane diisocyanate, hexamethylene diisocyanate and isophorone diisocyanate.

~~9.~~6. A process according to one of claims 1 to 5~~8~~, wherein the polyfunctional amine is a polyethyleneimine containing the following repeat units



wherein

x is from 8 to 1500, preferably from 10 to 1000;

y is from 0 to 10, preferably from 0 to 5, especially 0; and

z is 2+y.

~~10.~~7. A process according to one of claims 1 to 6~~9~~, wherein the aqueous phase (I) additionally comprises a cationic polymer.

~~11.~~8. A process according to one of claims 1 to 6~~9~~, additionally comprising the step of:

Adding a cationic polymer.

~~12.~~9. A process according to one of claims 7~~10~~ or 8~~11~~, wherein the cationic polymer is an ampholytic co-polymer derived from a cationic monomer or a monomer that can form cations, in particular containing at least one quaternary ammonium group, an anionic monomer or a monomer that can form anions, in particular based on acrylic acid, methacrylic acid or a derivative thereof, and optionally a non-ionic monomer.

~~13. Use of an anionically modified polyisocyanate as a dispersion aid in a process for preparing an encapsulated fragrance composition.~~

~~14.~~10. An encapsulated fragrance composition obtainable by a process according to one of claims 1 to 9~~12~~.

~~15.~~11. A consumer product comprising an encapsulated fragrance composition according to claim 10~~14~~, in particular a personal care product, a home care product, or a laundry care product.