Claims

1- A powder detergent composition comprising:

- a detergent active material comprising at least a surfactant system,
- a granulated powder comprising particles made of:
    a) a water soluble polymer matrix,
    b) an oil phase comprising a perfume dispersed in said polymer matrix, said oil being at least partly encapsulated in microcapsules,

wherein

- the granulated powder comprises up to 30% by weight of encapsulated oil based on the total weight of the powder.

2- The powder detergent composition according to claim 1, wherein the surfactant system comprises at least one surfactant chosen in the group consisting of anionic, nonionic, cationic, zwititterionic surfactant and mixtures thereof.

3- The powder detergent composition according to claim 1 or 2, wherein the surfactant is chosen in the group consisting of linear ~~alkene~~ alkyl benzene sulphonate (LABS), Sodium laureth sulphate, sodium lauryl ether sulphate (SLES), sodium lauryl sulphate (SLS), alpha olefin sulphonate (AOS), methyl ester sulphonates (MES), alkyl polyglyucosides (APG), lauryl alcohol ethoxylates (LAE), primary alcohol sulphonates (PAS), soap and mixtures thereof.

4- The powder detergent composition according to any one of the preceding claims, wherein the detergent active material further comprising at least one component selected from the group consisting of bleaching agents, buffering agent; builders; soil release or soil suspension polymers; granulated enzyme particles, corrosion inhibitors, antifoaming, sud suppressing agents; dyes, fillers, and mixtures thereof.

5- The powder~~ed~~ detergent composition according to any one of the preceding claims, wherein the detergent active material comprises:

a) from 5 to 50% by weight, preferably from 5 to 30% of a surfactant, preferably chosen in the group consisting of anionic surfactants and nonionic surfactants;
b) from 10 to 50% by weight of a filler, preferably chosen in the group consisting of sodium silicate, sodium sulfate and mixture thereof;
c) from 10-30% by weight of a builder, preferably chosen in the group of zeolites, sodium carbonate and mixture thereof;
d) from 0-2% by weight of an enzyme, preferably chosen in the group cellulase, lipase, protease, mannanase, pectinase and mixtures thereof;
e) from 0-2% by weight of a free perfume
f) from 0-20% by weight of a source of hydrogen peroxide, preferably sodium percarbonate or sodium perborate, more preferably sodium percarbonate, and
g) from 0-5% by weight of a bleach activator, preferably TAED

based on the total weight of the composition.

6- The powder detergent composition according to any one of the preceding claims, wherein it comprises:

a) from 10 to 99.9%, preferably from 50 to 99.9%, by weight of at least one detergent active material, and
b) from 0.1 to 90%, preferably from 0.1 to 50%, more preferably from 0.2 to 20%, even more preferably from 0.2% and 10% by weight of the granulated powder

based on the total weight of the composition.

7- The powder detergent composition according to any one of the preceding claims, wherein the granulated powder comprises up to 25% by weight of encapsulated oil based on the total weight of the powder.

8- The powder detergent composition according to any one of the preceding claims, wherein the granulated powder comprises up to 20% by weight of encapsulated oil based on the total weight of the powder.

9- The powder detergent composition according to any one of the preceding claims, wherein the totality of the oil phase is encapsulated.

10- The powder detergent composition according to any one of claims 1-8, wherein the oil phase comprises at least one part that is not encapsulated and wherein the granulated powder comprises up to 45% by weight of the total amount of the oil phase based on the total weight of the powder.

11- The powder detergent composition according to claim 10, wherein the oil phase comprises at least one part that is not encapsulated and wherein the granulated powder comprises up to 35% by weight of the total amount of the oil phase based on the total weight of the powder.

12- The powder detergent composition according to any one of the preceding claims, wherein the part of the oil that is encapsulated is encapsulated in at least one microcapsule having a core-shell structure, wherein the core comprises the encapsulated oil and wherein the polymeric shell is made of a material selected from the group consisting of polyurea, polyurethane, polyamide, polyacrylate, polysiloxane, polycarbonate, polysulfonamide, urea formaldehyde, melamine formaldehyde resin, melamine formaldehyde resin cross-linked with polyisocyanate or aromatic polyols, melamine urea resin, melamine glyoxal resin, gelatin/ gum arabic shell wall and mixtures thereof.

13- The powder detergent composition according to claim 12, wherein the shell of the microcapsule is based on melamine formaldehyde resin or melamine formaldehyde resin cross-linked with at least one polyisocyanate or aromatic polyols.

14- The powder detergent composition according to any one of the preceding claims, wherein the microcapsules comprises an outer coating selected from the group consisting of non-ionic polysaccharide and/or a cationic polymer.

15- The powder detergent composition according to any one of the preceding claims, wherein the water soluble polymer is chosen in the group consisting of starch, maltodextrins, polysccharides, carbohydrates, chitosan, gum Arabic, polyethylene glycol, polyvinyl pyrrolidone, polyvinyl alcohol, acrylamides, acrylates, polyacrylic acid and related, maleic anhydride copolymers, amine-functional polymers, vinyl ethers, styrenes, polystyrenesulfonates, vinyl acids, ethylene glycol-propylene glycol block copolymers, and mixtures thereof.