

CLAIMS

1. A delivery system comprising a biodegradable carrier and a perfume formulation,
wherein the carrier has a biodegradability of at least 60 %, preferably at least 65%,
5 70%, 75%, 80%, 85%, 90%, 95% or 98%, within 60 days according to OECD301F.
2. The delivery system according to claim 1, wherein the perfume formulation comprises
- 0 to 60 wt.% of a hydrophobic solvent (based on the total weight of the perfume
formulation),
 - 10 - 40 to 100 wt.% of a perfume oil (based on the total weight of the perfume
formulation),
 - optionally, other active ingredients.
3. The delivery system according to any one of claims 1 and 2, wherein the perfume
15 formulation comprises a perfume oil which has at least two of the following
characteristics:
- o at least 35%, preferably 40%, preferably at least 50%, more preferably at
least 60% of perfuming ingredients having a log P above 3, preferably above
3.5,
 - 20 o at least 20%, preferably 25%, preferably at least 30%, more preferably at
least 40% of Bulky materials of groups 1 to 6 as defined in the description,
preferably 3 to 6 and
 - o at least 15%, preferably at least 20%, more preferably at least 25% of high
impact perfume materials having a Log T < -4.
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4. The delivery system according to any one of claims 1 to 3, wherein the perfume oil has
all of the following characteristics:
- o at least 35%, preferably 40%, preferably at least 50%, more preferably at
least 60% of perfuming ingredients having a log P above 3, preferably above
30 3.5,
 - o at least 20%, preferably 25%, preferably at least 30%, more preferably at
least 40% of Bulky materials of groups 1 to 6 as defined in the description,
preferably 3 to 6 and
 - o at least 15%, preferably at least 20%, more preferably at least 25% of high
35 impact perfume materials having a Log T < -4.

5. The delivery system according to anyone of the preceding claims, wherein the perfume oil and the hydrophobic solvent have at least two Hansen solubility parameters selected from a first group consisting of: an atomic dispersion force (δD) from 12 to 20, a dipole moment (δP) from 1 to 8, and a hydrogen bonding (δH) from 2.5 to 11.
6. The delivery system according to claim 5, wherein the perfume oil and the hydrophobic solvent have at least two Hansen solubility parameters selected from a second group consisting of: an atomic dispersion force (δD) from 14 to 20, a dipole moment (δP) from 1 to 7, and a hydrogen bonding (δH) from 4 to 11.
7. The delivery system according to any one of the preceding claims, wherein the biodegradable carrier is a biodegradable shell or a biodegradable polymeric carrier matrix, preferably wherein the biodegradable carrier is a biodegradable shell.
8. The delivery system according to any one of the preceding claims, wherein the delivery system has a biodegradability of at least 40 %, preferably at least 60 %, preferably at least 65%, 70%, 75%, 80%, 85%, 90%, 95% or 98% within 60 days according to OECD301F.
9. Perfuming composition comprising
- the delivery system according to any one of the preceding claims and
 - optionally, a free perfume oil.
10. The perfuming composition according to claim 9, wherein the total amount of the delivery system is 0.05 to 5 wt.% (based on the total perfuming composition) and the total amount of the free perfume oil is 0.05 to 5 wt.% (based on the total perfuming composition).
11. Perfuming composition according to any one of claims 9 and 10, wherein the total perfume oil of the perfume formulation entrapped in the delivery system and total free perfume oil are present in the perfuming composition in a weight ratio of 1:20 to 20:1, preferably 10:1 to 1:10.
12. Perfumed consumer product comprising the delivery system according to any one of claims 1 to 8 or the perfuming composition according to any one of claims 9 to 11.

13. Perfumed consumer product according to claim 12, wherein the perfumed consumer product is the perfumed consumer product is a fine perfume, a splash or eau de perfume, a cologne, a shave or after-shave lotion, a liquid or solid detergent, a mono or multi chamber unidose detergent, a fabric softener, a fabric refresher, liquid or solid scent-boosters (PEG / urea or salts), a dryer sheet, an ironing water, a paper, a bleach, a carpet cleaners, curtain-care products, a shampoo, a coloring preparation, a color care product, a hair shaping product, a dental care product, a disinfectant, an intimate care product, a hair spray, a hair conditioning product, a vanishing cream, a deodorant or antiperspirant, hair remover, tanning or sun product, nail products, skin cleansing, a makeup, a perfumed soap, shower or bath mousse, oil or gel, or a foot/hand care products, a hygiene product, an air freshener, a "ready to use" powdered air freshener, a mold remover, furnisher care, wipe, a dish detergent or hard-surface detergent, a leather care product, a car care product.
14. Perfumed consumer product according to any one of claims 12 and 13, wherein the perfumed consumer product is a liquid or solid detergent, a mono or multi chamber unidose detergent, a fabric softener, liquid or solid scent-boosters (e.g. using PEG / urea or salts), a dryer sheet, a shampoo, a shower gel, a hair conditioning product (e.g. leave-on or rinse-off), a deodorant or antiperspirant.