

and/or parts of its structure. For example, the hybrid capsule may comprise a coating over a shell where the shell is formed of a different material from the coating. The different materials may be different in that the chemical make-up in each material is different. The chemical make-up in each material may be different in terms of the identity of the elements present and/or the molar ratio of the elements present and/or chemical arrangement of the elements. For example, the elements present in each material may be the same but the molar ratio and/or chemical structure in each material may be different and therefore these materials are still considered non-identical materials. In various embodiments, the hybrid capsule comprises an organic-inorganic capsule or an inorganic-organic capsule.

In various embodiments, the method comprises heterocoagulating organic polymer latex particles with one or more (or at least one) primary capsule(s) to form an organic polymer coating layer over a shell of the primary capsule. In various embodiments, the polymer coating layer is on top of or is on an outer/external surface of the shell of the primary capsule such that the shell is positioned between the polymer coating layer and an inner core of the primary capsule. The polymer coating may be in direct contact with the shell of the primary capsule, for example, the polymer coating may be disposed on the shell of the primary capsule.

In various embodiments, heterocoagulating the organic polymer latex particles with the shell of the one or more primary capsule is carried out such that the organic polymer latex particles are converted into a continuous film/coating on the surface of the shell of the primary capsule to form the hybrid capsule (e.g. an organic-inorganic capsule in some examples). In various embodiments, the heterocoagulating step comprises adsorbing the organic polymer latex particles onto the shell of the at least one primary capsule; coalescing the organic polymer latex particles to form polymer strands; and allowing the polymer strands to interpenetrate /inter diffuse with the shell of the primary capsule to form an organic coating on the shell for example such that a hybrid shell (e.g. an organic-