



Addressing

concerns over conventional cosmetic formulation of colourants loosely combined with extender powders (e.g. talc, mica) to provide spreadability and adhesion onto the skin, which may cause skin dehydration and de-lipidation.

Key Features

- Utilises silk from the Bombyx mori silkworm as a non-chemical cosmetic base to encapsulate colourants
- Minimises direct skin contact with the colourants
- Facilitates the release of beneficial skincare ingredients (e.g. with anti-oxidant, moisturising, anti-wrinkle and anti-aging properties)

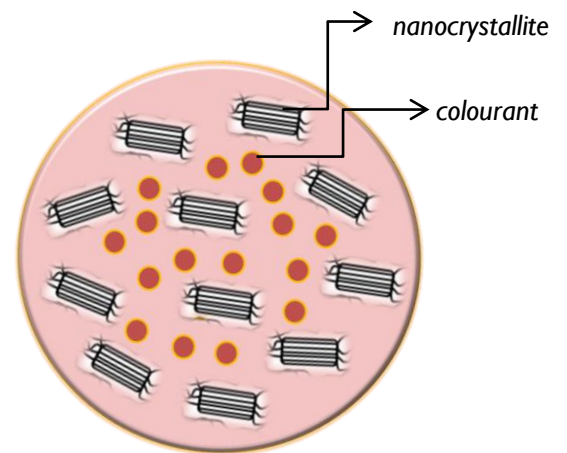
Potential Applications

- Dermatological skin care and cosmetics

Collaboration Opportunities

- Clinical trials and testing of products
- Further development towards 'time release' function

About the technology



A schematic diagram of colourants and nanocrystallites encapsulated in a silk particle



Ground silk powder with colourants encapsulated



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