

Palm Oil Ester Emulsion Composition for Cosmeceutical Applications

TECHNOLOGY DESCRIPTION

This technology has three immiscible phases for colloidal delivery system for cosmeceutical applications.

TECHNOLOGY FEATURES

This technology is capable to dissolve perfluorodecalin (PFD) into large amount of gas, which is 20 times more than water. Besides, it is biologically and chemically inert. The oil component used in this technology are palm oil esters which are emollient, has good wetting behaviour and is non greasy. The presence of oxygen has promoted the proliferation of human dermal fibroblast thus, induce them to produce more collagen

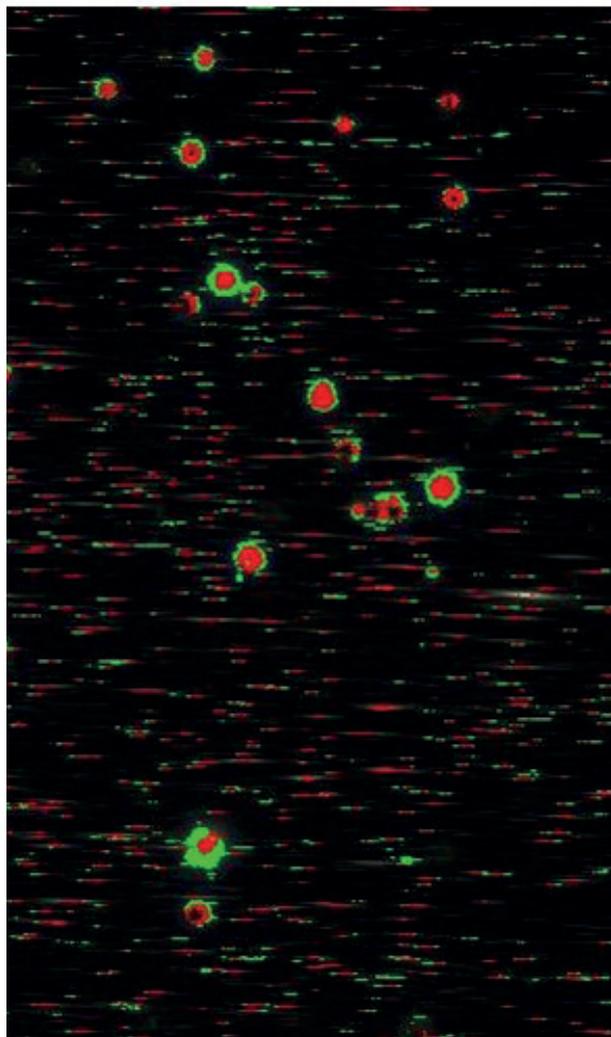
ADVANTAGES

- Good physical stability
- Desired sheer-thinning behaviour
- Good thermodynamic stability
- Microstructures

INDUSTRY OVERVIEW

Prospect Industry: Cosmeceutical

This invention has potential to become the future ingredient in producing cosmeceutical products. The increasing consumer consciousness about appearance is driving the global cosmetics market to be worth around \$650 billion by 2020 with a CAGR of 6.3%. Cosmeceuticals is the fastest growing segment of Cosmetics and Personal Care industry and is seen as a convergence of personal care and pharmaceutical sectors. The Cosmeceuticals can be purchased over the counter without prescription. The global skincare market has reached a value of \$96.5 billion in 2013 while hair care recorded approximately US \$825 million in 2013. The market is expected to observe growth especially in anti-aging skin care and scalp care segments. The Cosmeceuticals markets in the U.S., the U.K., France, Germany, Italy, Spain and Japan were worth around \$35 billion collectively in 2013. United States alone accounted value around \$8 billion in 2013 while in Europe the sales recorded nearly US \$ 5.0 billion in 2013. Asia-Pacific Cosmeceuticals market contributes nearly 63.1% to the global market. For the Cosmeceuticals market in Asia-Pacific region, Japan contributed the major share and is anticipated to grow at a CAGR of 8.1% during the forecast period, followed by China.



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