Hydrating Cream

Technology Overview
Hydration plays an important role in maintaining the metabolism, enzyme activity, mechanical properties, appearance and barrier function of the skin. Singapore has a tropical climate that prevails throughout the year. The humidity combination with high temperature increases perspiration and excess oil production. Under a humid environment, skin barrier recovery is delayed which decreases its response to external changes. With prolonged dry air-conditioning in-door environment, many people faces the problem that comes with dry dehydrated skin and enlarged skin pore. In addition, the world’s population is aging. A highly prevalent skin type or skin condition among elder is dry skin.¹

In our research work, a formula of moisture cream is developed. This cream provides hydration effect without feeling heavy.

Technology Features & Specifications
✓ Emollients are are used in preventing, restoring and maintaining the hydration of the stratum corneum without altering the skin’s normal transpiration.
✓ A potent anti-oxidant with moisturizing and soothing properties on skin.
✓ The formulation has a natural oil scent with no fragrance added.

Market Trends & Opportunities
The research data indicated that almost 30% of the population aged over 16 years old are of dry skin type. A much higher proportion of dry skin type was found in elder age group. This indicates the need for hydration skincare products.²

Benefits
✓ A long – lasting hydrating cream

Potential Application
✓ Skin care industry
✓ Cosmetics industry
✓ Healthcare
✓ Health-promoting industry

Commercialisation
✓ Ready for commercialization
✓ Available for licensing
✓ Accepting business plans from interested parties

Intellectual Property
✓ Formulation / know-how

Contact Us
Department for Technology, Innovation and Enterprise (TIE)
Singapore Polytechnic
500 Dover Road
Singapore 139651
Email: tie@sp.edu.sg

Disclaimer
Although due care and attention have been taken to ensure that the preparation of this material is as accurate as possible, the contents of this brochure are provided for information purposes only. Neither the Singapore Polytechnic nor the inventors offer any warranty, written express or implied, as to the accuracy of the said contents. Applicants are advised to undertake independent evaluation of the technology.