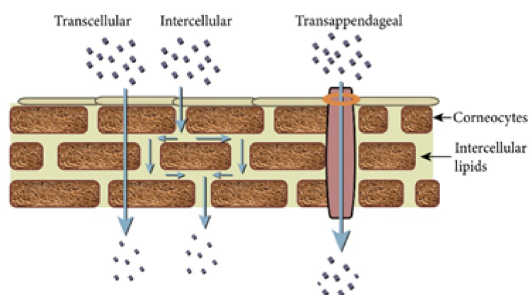


DID YOU KNOW?

How Skincare Can Penetrate into The Skin

Many people may have questions on using skincare products. Do they penetrate into the deep skin layer? Do they deliver the active ingredients to the skin cells? All these questions require an understanding of how a molecule can reach its target skin layer. There are 3 skin permeation pathways.



1. Intercellular Route

Molecules pass between the corneocytes in the stratum corneum. In between the corneocytes are layers of lipids organized in a lamellar structure. Therefore, this route naturally tends to favor lipophilic molecules.

2. Intracellular or Transcellular Route

Molecules permeate through the corneocytes. This path is difficult to pass through because the molecules must cross the lipophilic membrane of each cell, then the hydrophilic part of the cell, and then pass out through the last lipophilic membrane. Therefore, amphiphilic molecules which have both hydrophilic and lipophilic characteristics are able to take this route of penetration.

3. Transappendageal Route

Molecules are across the appendage such as hair follicles, sebaceous glands and sweat glands. The appendages represent only about 0.1-1.0 % of the total surface of skin, so they are less likely to be the main route of skin absorption.

Because molecules do not penetrate the skin easily, enhancement of skin penetration is essential for using skincare products.

Tips to improve skin penetration

- **Use emulsion type of skincare product**

It combines oils and water which can improve skin penetration of the active ingredients through intracellular pathway.

- **Warm your skin before applying skincare product**

Temperature has a big effect on how much your skincare products will penetrate the skin. The temperature of the skin increases diffusion of the compounds applied, and warmer temperatures also affect the actual structure of the skin cell layers, increasing permeability.



REGULATION

Guideline to Use the Word "Anti-Bacterial" or " Anti-Bacteria/Bacterial" in Cosmetic Products (part 1)

Using the word "Anti-bacterial" in cosmetic products is categorized into 2 cases as follows:

1. Acknowledgement of the word "Anti-bacterial" as part of the product name is allowed to apply only in case of:
 - Cleansing products used in the area of hair/ scalp, facial skin or body skin in a rinse-off form (not including cleansing products for feminine hygiene products which are not allowed).
 - Acknowledgement of the word "Anti-bacterial" as part of the name, if written in Thai, transliteration must be used, instead of translation.
 - Acknowledgement is acceptable only if the formulation contains anti-bacterial substances such as Triclocarban/ Triclosan/ Chloroxylenol, etc.

Remark: In case of anti-bacterial substances other than the ones being specified in the registration criteria are referred, published academic documents or efficiency test results must be enclosed as supporting documents for consideration.

To be continued in next month.

Reference: <https://www.fda.moph.go.th>



EVENTS

- **08 Mar** Bouncell Webinar: New Product Alert: Active Ingredient, Chemico Asia Pacific (M) Sdn. Bhd., Malaysia
- **09 Mar** Lubrizol Webinar: Home Care, Chemico Myanmar Co., Ltd., Myanmar
- **16 Mar** CAHB Webinar: Dietary Supplement Trend, Chemico Inter Corporation Co., Ltd., Thailand
- **23 Mar**
 - Abyss Webinar, Chemico Inter Corporation Co., Ltd., Thailand
 - CAHB Seminar & Mini CAHB Seminar: Skin Microbiome, Chemico Vietnam, Co., Ltd., Vietnam (tentative)
- **29 Mar** Mini CAHB Webinar: Emulsion Technology, Chemico Myanmar Co., Ltd., Myanmar
- **31 Mar** CAHB Webinar: Functional Powder Beverages, Chemico Asia Pacific (M) Sdn. Bhd., Malaysia
- **03-04 Apr** Natural & Organic Products Europe, London, Great Britain
<https://www.naturalproducts.co.uk>
- **05 Apr** DCAC Webinar: Makeup Trend, Chemico Asia Pacific (M) Sdn. Bhd., Malaysia
- **09-11 Apr** America's Beauty Show 2022, Rosemont, USA
<https://www.americasbeautyshow.com>
- **11-12 Apr** Professional Beauty India 2022, Mumbai, India
<https://professionalbeauty.in/>
- **12 Apr**
 - DCAC Webinar: Makeup Trend, Chemico Vietnam, Co., Ltd., Vietnam
 - Lubrizol Webinar: Sun Care, Chemico Myanmar Co., Ltd., Myanmar
- **13-15 Apr** India International Dairy Expo (IIDE) 2022, Mumbai, India
<https://www.iideindia.com>
- **19 Apr** DCAC Webinar, Chemico Health and Beauty India Private Limited., India
- **20 Apr** Chemico Academy Webinar: Sun Care Technology & Formulation, Chemico Inter Corporation Co., Ltd., Thailand
- **23-25 Apr** China International Beauty Expo 2022, Beijing, China
<https://www.beijingbeautyexpo.com/bj/>

“Enough with Problems, Let’s troubleshoot 2.0! Common Problems in Lip Products and Solutions”, Malaysia

Daito Chemico Asia Color Cosmetic Center (DCAC) together with Chemico Asia Pacific (M) Sdn. Bhd., Malaysia held a webinar under the topic “Enough with Problem, Let’s Troubleshoot 2.0! Common Problems in Lip Products and Solutions” on February 9, 2022. The main content of webinar was a discussion on how to formulate lip products including lipstick, lip matte, lip gloss and lip tint, common problems in lip products and solutions as well as colour matching. Performances of presented formulations were demonstrated through VDO clips.

B Natural Webinar, Thailand

B Natural S.R.L., Italy in collaboration with Chemico Inter Corporation Co., Ltd. organized a webinar entitled “Propolis M.E.D.®: a clinically proven ingredient supporting the immune system” on February 22, 2022. The webinar provided B Natural and Propolis M.E.D.® introduction, scientific data, clinical data, finished product examples as well as solubility test and applications of Propolis Dry Extract ESIT 3. These information is very useful in the development of new products in the field of dietary supplement

CAHB Webinar, Myanmar

Chemico Myanmar Co., Ltd. together with Chemico Asia Health and Beauty (CAHB) Center, Thailand held a webinar entitled “WHAT’S NEW in Toiletries Products” on February 24, 2022. This webinar focused on new textures of toiletries products and examples of formulations. Information of raw material used in the formulations were also included in the webinar. Prototype samples will be sent to the customers upon request.

Lubrizol Webinar, the Philippines

Lubrizol Southeast Asia Pte., Ltd. in collaboration with Chemico Philippines, Inc. held an online event entitled “Ideal Sun care Solution from Lubrizol” on February 22, 2022. The online event featured Sun Care market trends in the Philippines and the latest global trend including multi-functional sunscreen, extended protection, natural ingredients, ocean safe ingredients and environmentally friendly packaging. The event also highlighted the latest technological innovation from Lubrizol for sun care formulations including the best in class rheology modifiers, pigment dispersant, natural SPF booster and cutting-edge active ingredients for sun care formulations.

CAHB Webinar, Myanmar

Chemico Myanmar Co., Ltd. together with Chemico Asia Health and Beauty (CAHB) Center, Thailand held a webinar entitled “The Concept of Beauty Powder Shot” on February 28, 2022. This webinar focused on new trends of beauty powder shot products and the related product formulations. Raw material information that used in beauty powder shot formulations was also included. Most of participants were from beverage sector, and they were very interested in the webinar.

