



## The Exposome and Its Impact on Skin Health



The exposome encompasses the totality of environmental exposures from conception to death, including factors like pollution, UV radiation, diet, lifestyle, and the microbiome. Understanding the exposome's influence on skin health is crucial for developing effective strategies to prevent and manage various dermatological conditions and promote overall skin wellness.

The exposome has significant effects on skin health and can influence various skin conditions and aging processes. Key aspects of how the exposome affects the skin include:

### Environmental Factors:

Pollutants, UV radiation, and chemicals in the environment can lead to oxidative stress, inflammation, and DNA damage, contributing to skin aging and disorders such as eczema and dermatitis.



### Diet and Nutrition:

Dietary choices impact skin health; for example, a diet high in antioxidants can protect against oxidative damage, while a diet rich in processed foods may exacerbate inflammation and skin conditions.

### Lifestyle Choices:

Factors such as smoking, alcohol consumption, and physical inactivity can negatively affect skin health by reducing blood flow, impairing hydration, and increasing the risk of skin diseases.

### Microbiome Interactions:

The skin microbiome is influenced by environmental exposures such as hygiene products and lifestyle. An imbalance in skin microbiota can lead to skin issues like acne and psoriasis.

### Age and Sun Exposure:

Chronic sun exposure, a significant component of the exposome, accelerates skin aging and increases the risk of skin cancers.

By gaining a deeper understanding of the exposome, we can develop more effective strategies to prevent and manage skin diseases, promote healthy aging, and improve overall skin wellness.

#### References:

1. <https://pmc.ncbi.nlm.nih.gov/articles/PMC8850514/>
2. <https://pubmed.ncbi.nlm.nih.gov/32677068/>

# EU Amends Cosmetics Regulation Regarding Fragrance Allergens



Annex III to EU Cosmetics Regulation (EC) 1223/2009 is updated to include additional fragrance allergens requiring individual labelling and changes to some existing fragrance allergen entries.

The new 'fragrance allergens' labelling regulation (Commission Regulation (EU) 2023/1545 of 26 July 2023 amending Regulation (EC) No 1223/2009 of the European Parliament and of the Council as regards labelling of fragrance allergens in cosmetic products) aims to protect allergic individuals through providing them labelling information that allows them to make a proper choice when buying products. This Commission Regulation sets out new obligations for the labelling of an extended list of so-called fragrance allergens' in addition to the one set by directive 2003/15/CE. The date of the entry into force of the new regulation is 16 August 2023. However, for new restrictions a transition period is foreseen until 31 July 2026 for placing products on the market, and until 31 July 2028 for withdrawal of products from the market.

At present, 24 so called 'fragrance allergens' (26 initially, but two are banned now: Lillial (CAS 80-54-6) banned since March 2022, Lyril (CAS 31906-04-4,51414-25-6) banned since August 2019) are to be listed in the list of ingredients even if they are constituents of a perfume, aroma or complex ingredient. Labelling is mandatory if the substance is present in the cosmetic product above specific threshold concentrations, which are different for leave-on and rinse-off products. The new regulation expands this list to 80+ allergens. Note that the purpose of this additional labelling is to inform those sensitized individuals who have been tested and know which ingredients to avoid. It will tell them whether the substance to which they are sensitized is present in the product. The formula has not changed. There is no requirement to remove these substances and no need to consider reformulating out of these ingredients. The overwhelming majority of cosmetic users will not experience any undesirable effects associated with the presence of these substances.



Fragrance substances are used in various products, including cosmetic products, to provide a characteristic, pleasant odor to a product but they can possibly induce contact allergy and sensitization to a person. Under Article 19(1), point (g) of the Cosmetics Regulation, ingredients used as fragrance compositions are listed on the label as "parfum" or "aroma." However, for substances deemed as fragrance allergens, individual labelling is required when these substances are present at concentrations greater than 0.001% in leave-on products and greater than 0.01% in rinse-off products. Before amendment (EU) 2023/1545 was published, only 24 fragrance allergens requiring individual labelling were listed in Annex III of the Cosmetics Regulation.

The Commission requested from the Scientific Committee on Consumer Safety (SCCS) to research additional fragrance allergens for which the individual labelling requirement would apply. The SCCS adopted opinion SCCS/1459/11 (of 26-27 June 2012), identifying 56 additional substances, which caused allergies to humans but had no individual labelling requirement yet. Based on the SCCS opinion, amendment (EU) 2023/1545 expands the list of fragrance allergens requiring individual labelling and includes them in Annex III to the Cosmetics Regulation.



Additionally, substances such as Prehaptens and Prohaptens which can be oxidized or bioactivated and transform to known allergens should be treated as equivalents to fragrance allergens and have the same labelling requirements. To facilitate the work of economic operators and national authorities, it was also necessary to update certain existing entries for fragrance allergens in Annex III to the Cosmetics Regulation by adding individual isomers and to align common names of the substances to those of the latest version of the Common Ingredients Glossary (names of ingredients as listed on product labels - Decision (EU) 2022/677). When multiple common ingredient names exist, it is set out in the individual labelling requirement which name should be used so that the label is more consumer friendly and streamlined.

Regulation (EU) 2023/1545 enters into force on Aug. 16, 2023, and is directly applicable to all Member States. Due to the possibly significant changes arising, such as adjusting product formulations, containers, withdrawing non-compliant products, and issuing new labels, the transition period for compliance is until July 31, 2026, for new products and July 31, 2028, for existing products.



# Micelle Technology

## New Way to Promote Bioavailability



With growing health awareness, more people are taking supplements to support their well-being. However, taking a supplement doesn't guarantee benefits if the body can't absorb it properly.

### No absorption = No effect

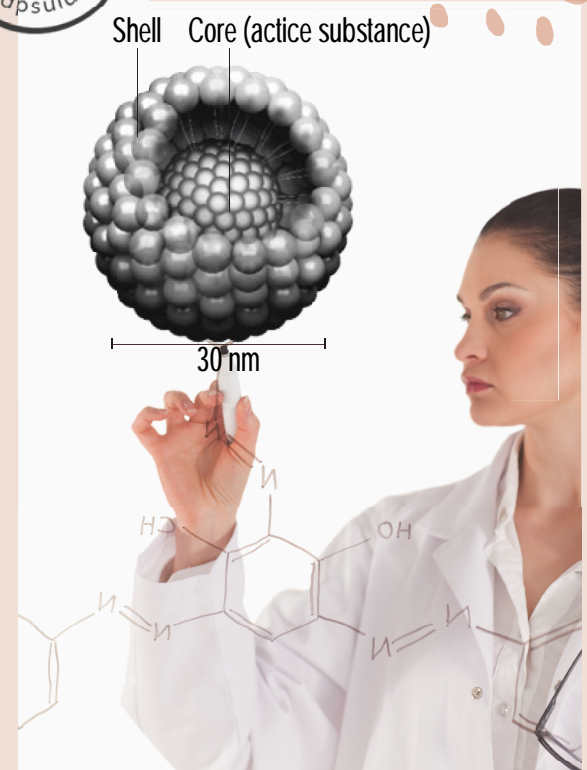
Fat-soluble ingredients like Vitamins A, D, E, and K are difficult for the body to absorb. Unlike water-soluble nutrients, which dissolve easily and pass through the small intestine membrane, fat-soluble ingredients naturally stick together, forming large structures that cannot pass through. Before they can be absorbed, they must first be broken down into much smaller structures called micelles.

To solve this challenge, various technologies have been developed to improve nutrient absorption. One of the most advanced solutions is **Micelle Technology**, which creates a core-shell structure, with the active ingredient at the center and a protective outer layer that enhances absorption.

### Why Micelle Technology?

- ◆ Nano-sized molecules – Easily absorbed by the body
- ◆ Mimics the body's natural digestion process for improved efficiency
- ◆ Boosts bioavailability – Nutrients reach the bloodstream faster
- ◆ High stability – Overcomes issues seen in microemulsions and liposomes
- ◆ Scientifically proven – Backed by research for superior performance

With Micelle Technology, supplements work smarter, delivering greater health benefits.



References:

- 1) <https://aquanova.de/technology-and-science/bioavailability>
- 2) <https://aquanova.de/technology-and-science/micelle>

## SUMMER SEASONAL FLAVOR GUIDE

Thailand's summer (Feb-May) brings a burst of seasonal flavors, blending fresh and vibrant tastes that evoke both joy and nostalgia. Let's explore the inspired tastes of summer. Get ready for a delicious season ahead!

### 1. SEASONAL FRUITS

Seasonal eating is trending, offering not only delicious but eco-friendly options. This summer, enjoy mangoes, pineapples, durian, and more, each packed with vibrant flavors. Seasonal product launches are growing fast, with a 16.1% global increase in 2024!

### 2. SIP THE COOLNESS

Beat the heat this summer with Thailand's low-sugar, vitamin-packed drinks! Sip on tropical smoothies, zesty citrus lemonades, or creamy coconut teas for a refreshing boost. Enjoy the vibrant flavors of mango, lime, and matcha to stay cool and energized all day long. Perfect for a sunny refreshment!

### 3. SCOOP UP THE SUMMER

This summer, ice cream is getting a makeover with exciting new flavors like Coconut Pineapple and Caramel Almond. Timeless favorites like Vanilla and Milk Chocolate remain the top picks. With a growing demand for healthier options, many are opting for reduced-sugar or fruit pulp-based treats!

### 4. CELEBRATE SONGKRAN IN STYLE

Celebrate Songkran in style with our limited-edition non-alcoholic drinks! Enjoy refreshing flavors like Lemon & Passionfruit Spritz, Watermelon Mint Mocktail, and more. Celebrate safely, sip smart, and make this Songkran one to remember!

**Summer Flavor List:** Mango, Pineapple, Passionfruit, Watermelon, Lychee, Lemon, Lime, Coconut, Matcha, Milk chocolate, Vanilla, Caramel, Almond, Mint, Blueberry, Raspberry.

References:

- 1) <https://www.innovamarketinsights.com/trends/new-product-development-in-food-global-limited-edition-product/>
- 2) <https://www.innovamarketinsights.com/trends/food-trends-in-thailand/>
- 3) <https://www.mintel.com/insights/food-and-drink/global-ice-cream-trends/>
- 4) <https://www.innovamarketinsights.com/trends/ice-cream-trends-global-dairy-and-non-dairy-innovation>



# EVENT 2025

## MAR

- 4 Tri-K Seminar, Chemico Vietnam Co., Ltd., Ho Chi Minh City, Vietnam

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- 6 Tri-K Seminar, Chemico Vietnam Co., Ltd., Hanoi, Vietnam

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- 7-9 HCC (Household Cleaning and Personal Care), Shanghai, China  
<https://www.hccsh.net/en/>

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- 11 Momentive Seminar, Chemico Philippines, Inc., Cebu, Philippines (tentative)

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- 11-14 Foodex Japan 2025, Tokyo, Japan  
<https://www.jma.or.jp/foodex/en/>

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- 12-13 Beauty Accelerate 2025, New Jersey, USA  
<https://beautyaccelerate.com/>

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- 12-14 VIV Asia 2025: The Complete Feed to Food Global Trade Show in Asia, Bangkok, Thailand  
<https://www.vivasia.nl/>

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- 14-15 Food Science & Technology, London, UK  
<https://foodtech.inovinemmeetings.com/index.php>

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- 17-19 Food Ingredients China 2025, Shanghai, China  
<https://www.b-for.com/events/fic>

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- 18-20 ChemiCos, Moscow, Russia  
<https://chemicos.ru/ru>

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- 19 Food Focus Thailand Roadmap 2025: Dairy & Dairy Product, Bangkok, Thailand  
<https://www.foodfocus thailand.com/roadmaps/roadmap-dairy-dairy-product-edition-2025>

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- 19-21 Dermatological Society of Thailand Annual Meeting 2025, Bangkok  
<https://www.dermatology.org.sg/event/49th-dst-annual-meeting-2025/>

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- 20-23 COSMOPROF Worldwide Bologna, Italy  
<https://www.cosmoprof.com/en/>

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- 25 Flavour Conference: Exploring the Science of Aroma and Taste: State of the Art for the Flavourist, London, UK  
<https://www.flavourhorizons.com/flavourtalk-conference-london-2025/>

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- 25 Sophim Seminar, Chemico Vietnam Co., Ltd., Ho Chi Minh City, Vietnam

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- 25-26 17<sup>th</sup> American Food Innovate Summit, Atlanta, USA  
<https://americanfoodinnovate.com/2025/en/page/home>

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- 26 Sophim Seminar, Chemico Myanmar Co., Ltd., Yangon, Myanmar

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- 26 Pharmactive Webinar, Chemico Inter Corporation Co., Ltd. (tentative)

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- 26-27 European Regulatory Congress COSMED 2025, Paris, France  
[https://www.cosmed.fr/en/page\\_evenement/regulatory-congress/](https://www.cosmed.fr/en/page_evenement/regulatory-congress/)

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- 27-28 The 12<sup>th</sup> Annual Legal, Regulatory, and Compliance Forum on Cosmetics & Personal Care Products, New York, USA  
<https://www.gtllaw.com/en/events/2025/03/12th-annual-legal-regulatory-and-compliance-forum-on-cosmetics-personal-care-products>

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- 27-30 Beauty Expo 2025, Taipei, Taiwan  
<https://beautyexpotaipei.tw.messefrankfurt.com/taipei/en.html#>



## APR

- 3-5 IDAX - International Dermatology & Aesthetic Expo 2025, Ho Chi Minh City, Vietnam  
<https://idaxexpo.com/home-en/>

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- 4-6 17<sup>th</sup> Philippine Food Expo 2025, Manila, The Philippines  
<https://philippinefoodexpo.ph/>

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- 8-10 In-cosmetics Global, Amsterdam, Netherlands  
<https://www.in-cosmetics.com/global/en-gb.html>

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- 8-11 FHA 2025 - Food & Beverage, Singapore  
<https://fhaib.com/contact-us/>

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- 9 Daito Seminar, Chemico Vietnam Co., Ltd., Ho Chi Minh City, Vietnam

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- 10 Saltigo Seminar, Chemico Vietnam Co., Ltd., Hanoi, Vietnam

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- 11-13 Cosmofarma Exhibition 2025, Bologna, Italia  
<https://www.cosmofarma.com/en/contact-us/>

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- 15-17 PREMIUM FOOD SHOW 2025, Tokyo, Japan  
<https://premiumfoodshow.jp/2025/>

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- 16 Momentive Seminar, Chemico Asia Pacific (M) Sdn. Bhd., Penang, Malaysia

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- 17-19 Beautycare Expo 2025, Hanoi, Vietnam  
<https://beautycareexpo.com/en>

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- 18-21 China Xiamen International Vegetarian Food and Organic Products Fair 2025, Xiamen, China  
<https://www.vffair.com/>

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- 21-23 Beautyworld Saudi Arabia 2025, Riyadh, Saudi Arabia  
<https://beautyworld-saudi-arabia.ae.messefrankfurt.com/ksa/en.html>

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- 22 Momentive Seminar, Chemico Vietnam Co., Ltd., Ho Chi Minh City, Vietnam

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- 22-25 COPHEX 2025 - Cosmetic, Pharmaceutical, Bio Process & Technology Exhibition, Goyang, Korea  
<https://www.cophex.com/eng/main.asp>

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- 23-25 IESD China 2025 - International Exhibition on Surfactant & Detergent, Shanghai, China  
<http://www.iesdexpo.com/eng/index.asp>

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- 24 Momentive Seminar, Chemico Vietnam Co., Ltd., Hanoi, Vietnam

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- 24-27 Beauty & Care Istanbul 2025, Istanbul, Turkey  
<https://beautycareexpo.com/>

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- 28-30 Beautyworld Japan, Tokyo, Japan  
<https://beautyworldjapan.jp.messefrankfurt.com/japan/en.html>







## CAHB Seminar, Myanmar



Chemico Myanmar Co., Ltd. in collaboration with Chemico Asia Health and Beauty (CAHB) Center organized a very first seminar of 2025 under the topic “Elevate Make up formulations with 2025 Make up Trend and Performance materials” on February 26<sup>th</sup>, 2025. The seminar presented on 2025 Make up trend, new formulations and hero ingredients used in the formulations. During the presentation, the prototypes were passed around to the customers for testing product sensory and performance. The set up of all product formulas was also included.

## CAHB Seminar, Myanmar



Chemico Myanmar Co., Ltd. in collaboration with Chemico Asia Health and Beauty (CAHB) center organized a seminar entitled “Healthy Aging Journey with Functional Products” on February 27<sup>th</sup>, 2025 at Chemico Myanmar seminar room. The seminar provided knowledge related to Healthy aging and information on the latest Market trends of Supplement & Functional beverages. During the seminar, the attendees could explore valuable market products and innovative formulations using new ingredients.

