

# Cosmetic Ingredients



## Banned in the EU, But Not the US

There are some cosmetic ingredients that are still allowed in the US, but are strictly regulated or completely banned in the EU. Here are some examples.



### Phthalates

Phthalates are commonly used plastics and can be found in cosmetics such as perfume, hair spray and nail polish. Even though the ingredients have been linked to hormone disruption and reproductive issues, the USFDA only bans them in children's toys and childcare products due to lack of evidence for safety risk when use in personal care products. While the EU bans several types of phthalates in cosmetics.



### Formaldehyde

This preservative is prohibited in the EU due to being a known carcinogen and associated with respiratory problems. However, it still can be used in the US. Formaldehyde could be found in cosmetic products such as nail polish, hair straightening treatments, eyelash glue, body wash and shampoo.



### Hydroquinone

In the US, skin lightening products containing hydroquinone are not approved for over-the-counter sale, but it is accessible with a prescription. This ingredient is banned in the EU because it is a possible carcinogen.



### Triclosan

This antibacterial ingredient is prohibited in the EU due to concerns over its environmental impacts and its potential to provoke antibiotic resistance. And, in the US, its use in household soap products was banned since 2016. However, triclosan may still be found in toothpaste, deodorant and antiperspirant.



### Benzoyl Peroxide

This ingredient is banned in the EU in leave-on products because of its potential to cause skin irritation, allergy and bleaching of hair and fabrics. In the US, benzoyl peroxide is an FDA-approved prescription medication for acne treatment.



### Petroleum Distillates

In the EU, some types of petroleum distillates are banned for use in cosmetic products due to health and environmental concerns. For examples, mineral oil and petrolatum are banned for use in products applied on the lips, and the use of paraffin is restricted due to concerns over potential impurities and carcinogens. Petroleum distillates are most commonly found in mascara in the US.



### Parabens

Five parabens were completely prohibited in cosmetic products in the EU since 2014 (isopropylparaben, isobutylparaben, phenylparaben, benzylparaben and pentylparaben) because they are considered to be endocrine disruptors. While other parabens such as methylparaben and propylparaben are still allowed for use at restricted concentrations. In the US, the FDA believes that parabens have not been shown to have an effect on human health.

References:

1. <https://www.skininc.com/business/article/22833531/12-cosmetic-ingredients-banned-in-the-eu-but-not-the-us>
2. <https://www.byrdie.com/banned-ingredients-europe>



# Guidelines for Consideration on the Permission of Black Garlic as Food

Black Garlic is obtained from heating fresh garlic, *Allium sativum* L., under temperature- and humidity-controlled conditions. It is incubated for a period of time until the garlic flesh turns black and has jelly-like texture. It has a sweet taste and sour smell and can be consumed directly.

## 1. Quality Standard of Black Garlic (*Allium sativum* L.)

Specification	Details
1. General specification: Part of use	Flesh of Garlic, <i>Allium sativum</i> L.
2. Identity requirement: Quantity of active ingredient/marker	S-allylcysteine (SAC) is not less than 0.16 mg/g of black garlic.
3. Manufacturing process	Dried
4. Contaminant	Based on the requirement for onion family in the Ministry of Public Health Notification (3) B.E.2563 Re: Standards for Contaminants
5. Pathogenic microorganism: <i>Escherichia coli</i> <i>Salmonella spp.</i> <i>Staphylococcus aureus</i>	Less than 3.0 MPN/g Not detected in 25 g of food Not detected in 0.1 g of food

The production process, the other qualities and food labeling must be complied with the related Notifications of the Ministry of Public Health.

## 2. Term of use

Garlic clove/bulb (traditional consumption pattern) is considered as ready-to-eat food. The limitation of black garlic consumption (calculated as S-allylcysteine, SAC) is not more than 0.55 mg/day.





June 2023



# Event/Website

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CAHB and Mini CAHB Webinar, Food, PT. Kemiko Indonesia and PT. Chemico Surabaya, Indonesia

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Innospec Seminar, Chemico Inter Corporation Co., Ltd., Thailand

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Momentive Seminar, The Athenee Hotel, Thailand

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Mighty Webinar, Chemico Myanmar Co., Ltd., Myanmar



July 2023

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Innospec Seminar, Chemico Philippines, Inc., The Philippines

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Momentive Webinar, Skin care, Chemico Myanmar Co., Ltd., Myanmar (tentative)

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JRS Seminar, Chemico Inter Corporation Co., Ltd., Thailand

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DCAC Seminar, Chemico Health and Beauty India Private Limited., India

12

Momentive Webinar, Chemico Asia Pacific (M) Sdn. Bhd., Malaysia

12-14

in-cosmetics Korea, Seoul, Korea  
<https://www.in-cosmetics.com/korea/en-gb.html>

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CAHB and Mini CAHB Webinar, Hair care, Chemico Myanmar Co., Ltd., Myanmar

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Mini CAHB Seminar, Color Cosmetics, Chemico Vietnam Co., Ltd., Vietnam

19-21

Cosmo Tech Expo, New Delhi, India  
<https://www.cosmotechexpoindia.com/>

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Daito Seminar, Chemico Vietnam Co., Ltd., Vietnam

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CAHB Seminar, Skincare, Chemico Philippines, Inc., The Philippines

27-29

Vietnam International Exhibition & Conference on Cosmetics Beauty Hair and Spa, Ho Chi Minh, Vietnam  
<https://www.cosmobeauteasia.com/vietnam/>



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**Health & Well-being with Functional Beverages**

**Tue 9<sup>th</sup> May 2023**  
10:00 a.m. - 11:00 a.m. MM time

Ms. Supatra Ngamuruleert  
Application Manager

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### CAHB Food Webinar, Myanmar

Chemico Myanmar Co., Ltd. together with Chemico Asia Health and Beauty (CAHB) Center organized a webinar entitled "Health & Well-Being with Functional Beverages " on May 9, 2023. During webinar, we shared about functional beverage trends related to detoxification and menopause. Formulations and raw materials related to the trends also included in this webinar.

### DCAC Webinar, Malaysia

Daito Chemico Asia Colour Cosmetics (DCAC) Center together with Chemico Asia Pacific (M) Sdn. Bhd., Malaysia held a seminar entitled "Color Cosmetics Trends 2023 and All about Foundation" on May 10, 2023. The main topics of seminar discussed on the latest colour cosmetics trends and also different types of foundations which covered oil-based and emulsion-based formulations. Ingredients used in each formula were presented as well.

**Color Cosmetic Trends 2023 AND ALL ABOUT FOUNDATION**

**MAY 10TH**  
MYOFFICE, PUCHONG  
9.30 AM - 5.00 PM

**Spotlights on Hair Care Trends**

**May 11 2023**  
AT 10:00 a.m. - 12:00 p.m. MM time

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### CAHB Webinar, Myanmar

Chemico Myanmar Co., Ltd. In collaboration with Chemico Asia Health and Beauty (CAHB) Center organized a webinar entitled "Spotlights on Hair Care Trends " on May 11, 2023. The webinar presented hair care trends, formulations and raw materials related to the trends.

