

# CLIMATE CHANGE

## and Personal Care Product Development



Currently, climate change has an influence on personal care product development.

Consumers are more concerned about environmental impact by seeking environmentally friendly products. Many beauty companies launched products which were friendly to humans and the environment for competitive advantage. Examples of eco-friendly products include the products using recycled, or recyclables, or biodegradable packaging materials or packaging free and solid texture products.

In addition, the development of eco-friendly products must also be concerned with product features and attributes. During use, they should not be extremely complicated or give negative sensory which will not be acceptable by consumers.



Moreover, climate changes such as the fluctuating temperature and humidity level, increasing air pollution and UV radiation can affect skin and hair health. For example, the increasing levels of UV rays can damage to the skin and make hair dry, brittle and breakage. Thus, the products should contain anti-oxidants and UV filters. High temperature can cause hair dry and split-end. It also induces sweat and sebum secretions that can cause clogging of hair follicles leading to sensitive scalp, dandruff, itchiness and hair loss. Therefore, the products should contain thermal protection and moisture retention ingredients. The extreme changes in humidity can affect your hair as well. High humidity can cause frizz and flyaway while low humidity can cause dry hair leading to split-end and breakage. Hair care products which protect hair from humidity should contain anti-frizz, hydrating and conditioning ingredients which help smoothen and manageable hair.



#### References:

- <https://www.cosmeticsandtoiletries.com/research/literature-data/article/22911917/climate-change-beautys-influence-and-a-sustainable-path-forward>
- <https://www.mydermastore.in/blog/impact-of-climate-change-on-hair-health>

# COMMISSION REGULATION (EU)

## 2024/996 (3 April 2024)

of amending Regulation (EC) No. 1223/2009  
for the use of Vitamin A, Alpha-Arbutin,  
and Arbutin and certain substances  
with potential endocrine disrupting properties  
in cosmetic products



On 3<sup>rd</sup> April 2024, the EU Commission published in the Official Journal of the EU the regulation amending the Annexes to the EU Cosmetic Products Regulation (CPR) with 9 cosmetic ingredients as detailed below:

Annexes II, III, V, and VI to Regulation (EC) No 1223/2009 are amended as follows:

(1) Annex II inclusions and therefore banned in cosmetics, the following entry is added:

Reference number	Substance Identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1730	3-(4'-methylbenzylidene)-camphor (*); [INCI: 4-Methylbenzylidene Camphor]	36861-47-9/38102-62-4	253-242-6/-

(\*) From 1 May 2025 products containing that substance shall not be placed on the Union market. From 1 May 2026 cosmetic products containing that substance shall not be made available on the Union market.

(2) Annex III inclusions and therefore restricted in cosmetics, the following entries are added:

Reference number	Substance Identification				Restriction			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready use preparation	Other	
a	b	c	d	e	f	g	h	i
373	Genisteol; 4',5,7-Trihydroxyisoflavone; 5,7-dihydroxy-3-(4-hydroxyphenyl)-4-benzopyrone (*)	Genistein	446-72-0		0.007 %			
374	Daidzeol; 4',7-Dihydroxyisoflavone; 7-hydroxy-3-(4-hydroxyphenyl)-4-benzopyrone (*)	Daidzein	486-66-8	207-635-4		0.02 %		

Reference number	Substance Identification				Restriction			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready use preparation	Other	
a	b	c	d	e	f	g	h	i
375	5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one (*)	Kojic Acid	501-30-4	207-922-4	Face and hand products	1 %		
376	(2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohexen-1-yl)nona-2,4,6,8-tetraen-1-ol (**)	Retinol	11103-57-4/ 68-26-8	234-328-2/ 200-683-7	(a) Body lotion (b) Other leave-on and rinse-off products	(a) 0.05 % Retinol equivalent (RE) (b) 0.3 % RE		For any cosmetic products containing Retinol, Retinyl Acetate or Retinyl Palmitate, the following labelling is obligatory: <i>'Contains Vitamin A. Consider your daily intake before use.'</i>
	[(2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohexen-1-yl)nona-2,4,6,8-tetraenyl] acetate (**)	Retinyl Acetate	127-47-9	204-844-2				
	[(2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohexen-1-yl)nona-2,4,6,8-tetraenyl] hexadecanoate (**)	Retinyl Palmitate	79-81-2	201-228-5				
377	4-Hydroxyphenyl-alpha-D-	Alpha-Arbutin	84380-01-8	617-561-8	(a) Face cream (b) Body lotion	(a) 2 % (b) 0.5 %	Hydroquinone levels shall remain as low as possible in formulations containing	

(\*) From 1 February 2025 cosmetic products containing that substance and not complying with the conditions shall not be placed on the Union market. From 1 November 2025 cosmetic products containing that substance and not complying with the conditions shall not be made available on the Union market.

(\*\*) From 1 November 2025 cosmetic products containing that substance and not complying with the conditions shall not be placed on the Union market. From 1 May 2027 cosmetic products containing that substance and not complying with the conditions shall not be made available on the Union market.

(3) Annex V of permitted preservatives amendments, entries 23 and 25 are replaced by the following:

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready use preparation	Other	
a	b	c	d	e	f	g	h	i
23	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl)urea (*)(**)	Triclocarban	101-20-2	202-924-1	All cosmetic products, with the exception of mouthwash.	0.2 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene ≤ 1 ppm 3,3',4,4'-Tetrachloroazoxybenzene ≤ 1 ppm Not to be used in toothpaste intended for children under 6 years of age.	For toothpaste containing Triclocarban the following labelling is obligatory: <i>'Not to be used for children under 6 years of age.'</i>
25	5-Chloro-2-(2,4-dichlorophenoxy)phenol(*)	Triclosan	3380-34-5	222-182-2	Toothpastes ; Hand soaps; Body soaps /Shower gels; Deodorants (non-spray); Face powders and blemish concealers; Nail products for cleaning the fingernails and toenails before the application of artificial nail systems;	0.3 %	Not to be used in toothpaste intended for children under 3 years of age.	For toothpaste containing Triclosan the following labelling is obligatory: <i>'Not to be used for children under 3 years of age.'</i>

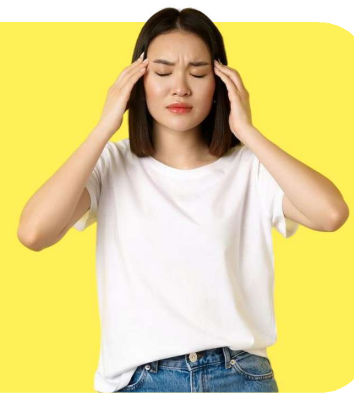
(\*) Cosmetic products containing that substance that do not comply with the conditions may provided that they comply with the conditions applicable on 23 April 2024, be placed on the Union market until 31 December 2024 and if they have already been placed on the market before that date, continue to be made available on the Union market until 31 October 2025.

(\*\*) For uses other than preservative, see Annex III, No 100

(4) In Annex VI, entry 18 is deleted.

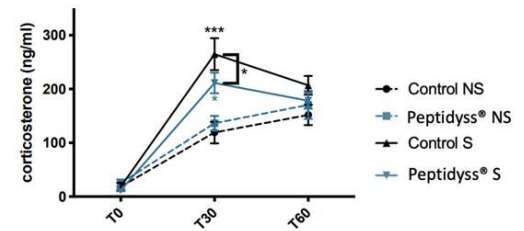
# "Burnout"

## It's More Than Just Fatigue!



Burnout is more than low energy—it's a physiological condition deeply linked to stress system dysregulation, especially involving the hypothalamus-pituitary-adrenal (HPA) axis. This system controls cortisol release, our primary stress hormone, which follows a daily rhythm and responds to psychological challenges. In those experiencing burnout or vital exhaustion, studies show that cortisol patterns can become disrupted—either elevated in the morning or blunted in response to stress, reflecting a shift in how the body perceives and handles pressure.

Emerging science points to the potential of natural marine hydrolysate to support stress regulation by helping balance cortisol levels. These bioactive compounds may assist the body in adapting more effectively to stress, supporting mental clarity and emotional resilience without sedative effects. Combined with healthy lifestyle habits, this approach offers a proactive way to protect against burnout and maintain daily performance..



Understanding burnout as more than just "being tired" helps us take it more seriously—and take better care of ourselves. By paying attention to how stress affects our bodies, especially through hormones like cortisol, we can make smarter choices to stay balanced by taking some bioactive such as natural marine hydrolysate to support the body's stress response naturally may be one way to stay focused, feel better, and prevent burnout from taking over.

References  
1. Kurlisho BM, Ballingrath SL, Hellhammer DH. Cortisol in burnout and vital exhaustion: an overview. *Q J Med Med Sci Engl.* 2008;281( Suppl Psycologia):34-43.  
2. <https://www.a-byss-ingredients.com/en/peptidyss>



## Discover Your Daily Taste Journey : Flavor in the Mood This July

### Flavor Psychology — Let Your Mood Guide Your Taste

This July, we invite you to explore "Mood-Based Flavoring" a new way to enjoy flavors that not only delight the palate but also connect deeply with people's emotions and daily experiences, reflecting the growing trend of creating meaningful, personalized taste journeys that resonate with consumers on a whole new level.

### Daily Taste Journey

<p><b>6:00-9:00 AM   Wake Up Time</b> Mood: Sleepy, need energy and freshness</p> <p>Best Flavors: Orange Flavor - Sour and sweet to wake you up (Strong) Coffee Flavor - Classic energy booster Green Tea Flavor - Fresh and healthy Mixed Berry Flavor - Sweet and sour with vitamin C</p>	<p><b>9:00-12:00 PM   Work Mode</b> Mood: Start working, need focus</p> <p>Best Flavors: Earl Grey Tea Flavor - Soft and calming Apple Flavor - Sweet and classic, easy to focus Jasmine Tea Flavor - Light floral scent (Light) Coffee Flavor - Just enough caffeine</p>
<p><b>12:00-3:00 PM   Afternoon Power</b> Mood: Tired after lunch, need energy boost</p> <p>Best Flavors: Mango Flavor - Sweet tropical fruit (Iced) Coffee Flavor - Cool energy drink Peach Tea Flavor - Sweet and refreshing Watermelon Flavor - Cool and hydrating</p>	<p><b>3:00-6:00 PM   Refresh Time</b> Mood: Getting tired, need to refresh</p> <p>Best Flavors: Lychee Flavor - Sweet Asian luxury Mint Tea Flavor - Cool and fresh Grape Flavor - Classic sweet everyone loves Coconut Flavor - Creamy tropical taste</p>
<p><b>6:00-9:00 PM   Relax Time</b> Mood: Wind down, need comfort</p> <p>Best Flavors: Vanilla Flavor - Warm and cozy Chamomile Tea Flavor - Helps you relax (Caramel) Coffee Flavor - Sweet and aromatic Strawberry Flavor - Sweet and romantic</p>	<p><b>9:00 PM and Later   Sleep Time</b> Mood: Prepare for rest, need calm and gentle taste</p> <p>Best Flavors: Lavender Tea Flavor - Helps you sleep better Honey Flavor - Natural sweet and soft Milk Tea Flavor - Classic Asian comfort Banana Flavor - Soft and gentle</p>



# EVENT 2025

## JUL

- 2-4 In-Cosmetics Korea 2025, Seoul, South Korea  
<https://www.in-cosmetics.com>
- 2-4 Intercharm Korea 2025, Seoul, South Korea  
<https://www.intercharmkorea.com/en-us>
- 2-5 F Istanbul Food & Beverage Products and Production Technologies Exhibition, Turkey  
<https://f-istanbul.com/>
- 8 Coloray Seminar, Chemico Asia Pacific (M) Sdn. Bhd., Kuala Lumpur, Malaysia
- 10 Coloray Seminar, Chemico Asia Pacific (M) Sdn. Bhd., Penang, Malaysia
- 15-17 Cosmoprof North America, Las Vegas, USA  
<https://cosmoprofnorthamerica.com/las-vegas/>
- 16-17 Cosmo Tech Expo India 2025, New Delhi, India  
<https://cosmotechexpoindia.com/>
- 22 CAHB and Mini CAHB Seminar-Make Up Trend 2025, Chemico Vietnam Co., Ltd., Hanoi, Vietnam
- 24-26 Cosmobeaute Vietnam 2025, Ho Chi Minh City, Vietnam  
<https://www.cosmobeauteasia.com/vietnam/>
- 24-27 Thailand Retail, Food & Hospitality Services 2025, Bangkok, Thailand  
<https://trafs.net/>
- 24-27 Asia Healthcare & Medical Cosmetology Expo, Taipei, Taiwan  
<https://www.chanchao.com.tw/healthcos/en/>
- 30 Momentive Seminar, Chemico Vietnam Co., Ltd., Hanoi, Vietnam
- 30 Jul - 1 Aug Malaysia International Food & Beverage Trade Fair 2025, Kuala Lumpur, Malaysia,  
<https://mlfb.com.my/>
- 31 Jul - 1 Aug Beauty & Wellness Manila 2025, Manila, Philippines  
<https://beautyandwellnessmanila.com/>
- 31 Jul - 2 Aug OEM Manufacturer & e-Biz Expo 2025, Bangkok, Thailand  
<https://www.thailandexhibition.com/en/>



## AUG

- 1-2 Cosmetics Ingredients Expo 2025, Chennai, India  
<https://cosmeticsingredientsexpo.com>
- 1-3 INDIA FOOD EX 2025, Bangalore, India  
<https://indiafoodex.com>
- 1-3 MyBeauty & Cosmetics Expo 2025, Subang Jaya, Malaysia  
<https://mybeauty.my>
- 5 Food Focus Thailand Roadmap 2025: Bev Trend & Tech Edition, Bangkok, Thailand  
<https://www.foodfocusthailand.com/roadmaps/roadmap-bev-trend-tech-edition-2025>
- 6-9 WOFEX MANILA 2025, Manila, Philippines  
<https://wofex.com>
- 7-8 PALMEX THAILAND 2025, Surat Thani, Thailand  
<https://www.thaipalmoil.com>
- 7-9 INDO BEAUTY EXPO 2025, Jakarta, Indonesia  
<https://indobeautyexpo.com>
- 7-9 VIETFOOD & BEVERAGE – PROPACK 2025, Ho Chi Minh City, Vietnam  
<https://hcm.foodexvietnam.com/en>
- 12-14 Cosmetic Industrial Technology Convention (CITC) Exhibition, Kuala Lumpur, Malaysia  
<https://mcs.org.my/>
- 14-18 HKTDC Beauty & Wellness Expo 2025, Hong Kong  
<https://www.hktdc.com/event/hkbeautyexpo/en>
- 16-17 BEAUTY EXPO AUSTRALIA 2025, Sydney, Australia  
<https://www.beautyexpoaustralia.com.au>
- 18 Lubrizol webinar "Elevate your home care products", Chemico Myanmar Co., Ltd., Yangon, Myanmar
- 20-22 Anuga Select India 2025, Mumbai, India  
<https://anuga-india.com>
- 22-24 JIFHEX INDONESIA 2025, Yogyakarta, Indonesia  
<https://jifhex.com>
- 28-30 BeautySum India 2025, New Delhi, India  
<https://beautysumindia.com>

