ACTT4COSMETICS

INFORMATION BULLETIN N.1 CLEANTECH

Editorial

Europe has set a goal to be climate neutral by 2050. To reach this target and be carbon neutral for the cosmetics industry, a scientific based approach is necessary to avoid stereotypes and really act on the most important impacts.

In the cosmetics sector we know thanks to lifecycle analysis that the first impact, up to 40% for rinse off products, is due to the consumer use (becauseof warm water). Packaging is about 20%, and transportation and ingredients are 10% each.

In order to reach carbon neutrality for the cosmetics sector there are several ways, the most important is to change the use of the consumer and educate them. Using waterless formulation could save water and the concentrated products reduce transportation emission as well as the need for preservatives with anhydrous formula. Innovation is also important, especially for plastic packaging since their end of life is complicated. The cost of recycling is more expansive than virgin plastic making it difficult to switch to circularity and reduce their footprint.

The climate emergency cannot only rely only on emission reduction, since the amount of carbon released in the atmosphere is already too high. Mitigation has to be explored as a solution as well. Thanks to biotechnology, it is now possible to feed bacteria with CO2 to produce ethanol, that can be used to make fragrance or skincare ingredients. In packaging, biochar material is seen as an opportunity since it is a carbon sink. Eventually, removing petrochemical sourced ingredients and going towards biobased chemicals with better biodegradability is also something that I wanted to put forward. Some brands are starting to claim that they are "climate positive" with all these carbon removing, but beware of greenwashing!

All these topics will be discussed in the Cosmetic 360 Conference program about Cleantechin Paris 18th and 19th of October. We are looking forward to seeing you there.

Julien ROMESTANT – Economic Intelligence Director – COSMETIC VALLEY

Methodology : This bulletin is made in the framework of ACTT4COSMETIC, a project funded by the European Union. Its target is to set a spotlight on the most striking innovations as well as highlighting some important trends rising. The selection is not meant to be exhaustive since there are many initiatives in the sector, but to show important features. Selection of articles has been done by COSMETIC VALLEY and Rei. Framework and design of the bulletin has been done by Rei (Italy)

Contents

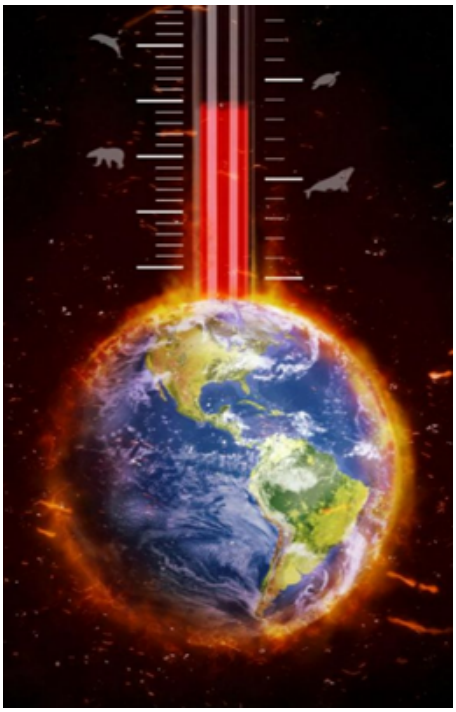
ACTT 4 Cosmetics

Reality sets in as global consumer concerns over climate change and food shortages escalate

Climate change remains the world's highest environmental priority with nearly half (46%) of consumers globally citing it among their top three concerns. Air quality (eg exhaust fumes, industrial emissions) (36%) and plastic pollution (eg ocean plastic) (33%) complete the world's top three environmental concerns; however, concerns about plastic pollution are down slightly from 36% in 2021.

Growing awareness is evident as just under three in five (58%) consumers globally agree that extreme weather events (eg flooding, heatwaves) in the country where they live encourage them to personally do more activities to protect the environment. And it seems helping the planet brings with it a feel-good factor as an overwhelming 68% of consumers globally say doing things that benefit the environment makes them feel happy. While 38% say they want to show other people how they are doing good for the environment (eg by sharing on social media). A further 24% say they have researched their annual carbon footprint (eg with an online calculator or app).

Source : Mintel, 16/08/2022



CLIMATE POSITIVE ACTION

Introducting STELLA by Stella McCartney: Skincare with a clear conscience

The Refillable Packaging : Packaging can represent up to 50% of the impact of a luxury skincare product. Through STELLA, we have committed to consciously reducing this by reinventing product refills – reducing the environmental impact by at least a third. Our reusable bottle is crafted using recycled glass, along with a reusable pump kit that includes recycled social plastic® from Plastic Bank, and an airless pump to ensure every last drop can be used. Our boxes are made from100% FSC-certified paper that can also be recycled. Additionally, our bottles and pumps can be easily disassembled and be recycled at the end of their lives.

The Ingredients : STELLA uses only consciously selected active **vegan** ingredients. Our formulasare certified by the Vegan Society and are approved by the Cruelty FreeInternational Leaping Bunny Programme. Our ingredients are 85% traceable downto the country of harvest, and 15% traceable down to the continent. Thelong-term goal is to trace 100% to the country of harvest.

Stella has chosen to support the conservation **NGO Wetlands International**,committing to donating 1% of the net sales of STELLA skincare. **Peatlands area vital ecosystem; they are the largest carbon store on earth and coveraround 23% of Scotland's land mass**. However, almost 80% of the Scottishpeatlands are in a state of degradation.

Source :Stella Mac Cartney, 24/01/2023

Mary Kay Joins the UNGlobal Compact's Ocean Stewardship Coalition

Mary Kay supported several projects this year in partnership with The Nature Conservancy to improve ocean health through the protection and restoration of critical habitats such as coral reefs, oyster reefs, and coastalwetlands, as well as to advance women's leadership in conversation:

- Restoring Asia Pacific shellfish reefs in Australia, Hong Kong, China, the Coral Triangle;
- Ensuring that coral protection and restoration efforts in the Coral Triangle Countries –Indonesia, Papua New Guinea and Solomon Islands – are supported through conservation efforts and initiatives that positively impact the whole region;
- Supporting women environmental leaders in the Pacific in Papua New Guinea and the Solomon Islands;
- Coastal conservation and restoration in the Gulf Coast and assessing the feasibility of blue carbon markets to support long-term wetland management; and
- Improving fisheries in Mexico to empower communities and women in the fishing industry.

Source: Beauty Packaging, 18/10/2022

Meet the beauty brand boasting a 'world first' negative carbon skin care serum

Audited by the Carbon Trust, the brand also claims that with 12.6g Co2 per product, the booster saves the equivalent carbon emissions created by charging an iPhone11 five times.
Glowcurrant Booster's packaging boasts a vivomer cap and nozzle that uses bacteria that can create a polymer called polyhydroxyalkanoate in their cells.
At the end of its life, these microbes are said to see the polymer as a food source and consume the cap without emitting greenhouse gases microplastic waste, decomposing within 52 weeks at home or three years in general waste.
Meanwhile, the bottle and carton are made from sugar cane, a 100% recyclable material with every 1kg of sugar cane grown absorbing 3kg of carbon.

Source : Cosmetic Business, 01/02/2022

An Industry Pioneer: Beiersdorf Launches the World's First Cosmetics Product with Recycled CO2

Beiersdorf is utilizing new opportunities to reduce the emission of harmful carbon dioxide into our atmosphere and contribute to a climate-positive future. NIVEA MEN is the first skin-care manufacturer to use an ingredient obtained from recycled carbon dioxide and is putting it in its new moisturizer.

This is made possible by the carbon capture and utilization (CCU) process, which is an ultramodern method for making use of carbon. The CO2-recycling technology comprises multiple steps. First, the carbon dioxide is collected at locations such as e.g. industrial chimneys and diverted to a bioreactor, where it is then fermented and processed into a cosmetic ethanol. Ethanol is used in numerous cosmetic products. The formula of the new NIVEA MEN Climate Care Moisturizer has a soothing effect on the skin and adds a refreshing moisture boost.
The moisturizer contains a total of 14 percent ethanol that has been obtained through alternative methods. Moreover, the formula is 100 percent free of microplastics, silicones, mineral oils, and PEG/PEG derivatives. This men's skin-care product is climate-neutralized* and manufactured using electricity from 100 percent renewable sources. The formula is 99 percent biodegradable, with fully recyclable packaging. The NIVEA MEN Climate Care Moisturizer will be launched on the German market in early June 2022, starting as a limited edition at drugstores and online retailers.

Source : Beiersdorf, 07/04/2022

Coty launches new Gucci fragrance with 100% carbon-captured alcohol

Coty is taking a new step in the replacement of ethanol of agricultural origin traditionally used in perfumery with ethanol resulting from carbon capture, with the launch of a first fragrance containing only alcohol made from recycled carbon. Coty announced in 2021 a partnership with LanzaTech to use their CarbonSmart ethanol, produced from carbon emitted by industrial activity but captured before it is released into the atmosphere.

To produce this new generation ethanol, LanzaTech captures carbon from different emission sources (industry, solid organic waste) or even in ambient air, through an electrolysis process. The collected CO2 is then cleaned-up before being transformed into ethanol through fermentation.

Through this novel carbon capture approach, carbon emissions, which would typically be released into the atmosphere, are recycled into alcohol pure enough for use in fine fragrances. Furthermore, this process ***uses less water and reduces the need for agricultural land*** *compared to traditional methods of alcohol production,"* Coty explains.

Carbon capture and utilization (CCU) in the chemical industry could lead to a dramatical reduction in greenhouse gas (GHG) emissions, according to a recent exploratory study by the Renewable Carbon Initiative (RCI), CO2 Value Europe (CVE) and nova-Institute.

Source : Premium Beauty News, 08/04/2023

Ethique : Climate positive brand

Plastic free, solid bars : One of our shampoo bars has just 8% of the carbon footprint of the equivalent liquid product. The large footprint of bottled products comes primarily from the plastic packaging (150g of carbon dioxide released just to make one 25g plastic bottle!) Versus just 9g for our largest product box.

Powered by 100% renewable energy : Powered by hydro stations and wind farms – our head office is run by independently verified 100% renewable electricity.

Staff Travel and Team Emissions : Our biggest sources of greenhouse gas emissions are international freight and staff travel. We only travel internationally when necessary and when we do, we make sure to offset our travel emissions not once, but twice.

One tree for every order & climate projects funded : Ecologi choose where the need is greatest and work with NGOS, indigenous people and locals to plant seedlings in places such as Madagascar and Sri Lanka. Our goal is to plant 1 million trees which has far reaching benefits for the habitats they create

Source : Ethique

WATERLESS FORMULATION

Waterless cosmetic market

Waterless cosmetics market size is estimated to be valued at US$ 9700 million in 2023 and is expected to surpass US$ 33000 million by 2033. The adoption of waterless cosmetics is likely to advance at a CAGR of 13% during the forecast period. Source : Future Market Insight, 2023

Creams and lotions converted into confetti-like 'paper' through technology developed at University of East Anglia

To form the material, products like suncream, shampoo, conditioner, and moisturizer can undergo treatment to **remove 98% of their water contents without compromising the stability** of delicate active ingredients. In turn, a drop of water can be applied to instantly rehydrate it into a cream or lotion. "The technology that we have developed uses a **no-heat process** to transform a range of water and oil-based beauty and skincare products into small discs of paper-like material." It is also claimed that the new technology allows manufacturers to **eliminate preservatives** in their beauty products and improve their shelf life.
Source : Packaging Europe, 24/03/2023

Nuwen: 3 powder hygiene technologies at In Cosmetics Global

The 3 technologies of hygiene products
Powder to be diluted: The powder to be diluted requires a mixing step with water to obtain a cleansing gel with a texture and foaming power comparable to classic liquid products. The easily refillable product is ready to use instantly.

Dissolving tablet: The tablet is the result of a compression of powder composed of natural ingredients and allows to deliver the right dose of the product. The tablets are added to a bottle of water and dissolve in 24 hours to obtain a classic shower gel.

Concentrated powder: The concentrated powder turns into foam when it comes into contact with the water used in washing. It is available in a cleansing or exfoliating formula.

Source : Industrie cosmétique, 23/03/2023

Seppic takes deep dive into Blue Beauty with formulation kit

To use less water, Seppic offers an oily formula and an anhydrous balm. The balm has been proposed to the Cosmet'Agora formulation contest for its multipurpose moisturizing, purifying and deodorant potential with high naturality (> 99% according to ISO 16128). This melting formula is composed of just over 50% Emogreen L19 and 10% Sepifine BB, two texturizing agents that provide a light and non-greasy feel, despite an **anhydrous composition.**
Secondly, preserve the oceans from pollution. To address this, Seppic has come up with two formulas. The first, a powder shower gel to be reconstituted, composed of easily biodegradable ingredients including Proteol APL EF, a mild anionic surfactant, inspired by the characteristic aminogram of the apple, and generating a creamy foam.

Source : Personal Care Magazine, 13/01/2023

BIOBASED INGREDIENT

Glycolipids and Challenges Ahead for the Growing $1.2 M Biosurfactants Market

Research firm Markets and Markets projects the biosurfactants market will grow to **US $1.9 billion by 2027,** expanding at a CAGR of **11.2% from $1.2 billion in 2022.** This trajectory should come as no surprise to the cosmetics and personal care industry, considering the current push toward sustainable ingredients from natural sources.

Glycolipids such as rhamnolipids and sophorolipids are reportedly the largest segment within biosurfactants. According to Markets and Markets, they are the most well-known and most studied of the low molecular weight biosurfactants. Composed of carbohydrates (hydrophilic moiety), these materials are linked with either hydroxy aliphatic acids or long-chain fatty acids (hydrophobic moiety) via an ester or ether group.

Source : Cosmetic & Toiletries, 28/02/2023

L'Oréal joins Unilever and Kao in biobased surfactants project

L'Oréal is investing in a venture led by biotechnology company Genomatica to create sustainable alternatives to oil-based surfactants. L'Oréal will be a founding member of the venture alongside Unilever and Kao. The investment is made through L'Oréal's corporate venture fund, BOLD. These new ingredients will be used across various personal care products, making a significant leap towards L'Oréal's goal of 100% eco-designed formulas and ingredients that are 95% derived from renewable or abundant sources by 2030.

Source : Premium Beauty News, 21/03/2023

In Brief:

Upwell Cosmetics - Microalgae-based Wax: natural wax, contains a family of widely-studied compounds—known as alkenones—harvested from the microalga Isochrysis, and has the potential to replace petroleum ingredients as the waxy base in many cosmetics and personal care products, such as lipstick, sunscreen, deodorants and more.

Praan Naturals Debuts Plant-Based Waxes for Personal Care : Sumac Wax (Rhus Succedanea (Sumac) Fruit Wax) softer consistency than that of beeswax, candelilla wax and carnauba wax. melting point of Sumac Wax is 48-54C (118-129 F). Sunflower Wax (Helianthus Annuus (Sunflower) Seed Wax) and Rice Bran Wax (Oryza Sativa (Rice) Bran Wax) are upcycled ingredients. The melting point of Sunflower Wax is 74-80C; the melting point of Rice Bran Wax is 75-80C. Both waxes possess a firmer consistency than that of Beeswax and Candelilla Wax,

Xylome Replaces Palm Oil with Fermented Yoil and Yoil-Cream (INCI: Lipomyces Oil Extract) and Yoil-Cream (INCI: Lipomyces Lipid Bodies (and) Citric Acid (and) Citrate (and) Gluconolactone (and) Glycerol (and) Vitamin E Acetate (and) Sodium Benzoate). The products are derived through the precision fermentation of yeast.

C16 Biosciences – Palmless Torula oil : rich in carotenoids including beta carotene and torulene - a rare and novel carotenoid, found only in the fungal kingdom, to help maintain glowing skin. It's rich in sterols like ergosterol, a provitamin D and fundamental nutritional component of mushrooms that promotes skin barrier function. Torula oil is biodesigned by the scientists and innovators at C16 Biosciences and comes from a natural yeast.

Plastic recycling remains a 'myth' in the USA, finds Greenpeace study

Titled "Circular Claims Fall Flat Again," the study found that of 51 million tons of plastic waste generated by US households in 2021, **only 2.4 million tons were recycled, or around five percent.** After peaking in 2014 at 10 percent, the trend has been decreasing, especially since China stopped accepting the West's plastic waste in 2018. Virgin production — of non-recycled plastic, that is — meanwhile is rapidly rising as the petrochemical industry expands, lowering costs.

But being recyclable in theory doesn't mean products are being recycled in practice. The report found that PET and HDPE products had actual reprocessing rates of 20.9 percent and 10.3 percent, respectively — both down slightly from Greenpeace USA's last survey in 2020.
According to the report, there were **five main reasons why plastic recycling is a "failed concept."** First, plastic waste is generated in vast quantities and is extremely difficult to collect. Second, even if it were all collected, mixed plastic waste cannot be recycled together. Third, the recycling process itself is environmentally harmful. Fourth, recycled plastic carries toxicity risks through contamination with other plastic types in collection bins, preventing it from becoming food-grade material again. Fifth and finally, the process of recycling is prohibitively expensive.

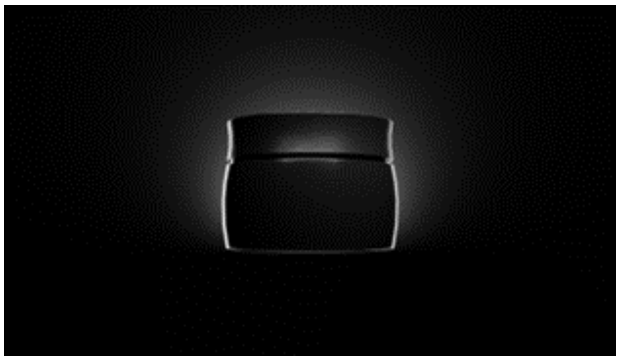
Source : Premium Beauty News, 24/10/2022

Reusability and recyclability of plastic cosmetic packaging: A life cycle assessment

Findings showed that the positive effect of reusability out ways by far the effects of dematerialisation by 171%, and that removing resourceful materials which render the package to be reusable, resulted in a 74% reduction in environmental impacts only when the packaging materials are fully recycled. This study concludes that in such cases, **reuse should be given prominence, as recycling** would only depend on the user and the infrastructure in place.

Source : Isaac Jordan Gatt, Paul Refalo, Reusability and recyclability of plastic cosmetic packaging: A life cycle assessment, Resources, Conservation & Recycling Advances, Volume 15, 2022, 200098, ISSN 2667-3789, https://doi.org/10.1016/j.rcradv.2022.200098.

From Wood to mBlack: A Journey towards eco-responsibility



The introduction of mBlack™ signifies a significant milestone for mPackting. This exclusive material, derived from biochar, holds the potential to revolutionize the industry. **Biochar, recognized as a carbon sink, effectively absorbs CO2 from the atmosphere over the long term.** When combined with a biodegradable biopolymer, mBlack emerges as a sustainable substitute for plastics, mitigating the environmental impact associated with traditional polymers. Crucially, mBlack is biodegradable and does not release microplastics, ensuring its environmental friendliness throughout its entire life cycle.

Source : Premium Beauty News, 27/06/2023

TECHNOLOGY

Marchesini Group to Show Latest Green Solutions

Marchesini Group at Interpack 2023 exhibits a machine designed to carton vials in paper trays. This solution was presented together with a new-design paper tray, which generates savings of approximately 50% in paper and about 50% in glue, compared to the models currently on the market. The new paper tray is less thick, providing space savings of 30% when products are combined inside the case.
Also in the sustainability area will be a complete line for blister products, an integrated, robotized solution that inserts tablets in a packaging consisting of 75% PVC-free aluminum and then in a cardboard carton. The line is completed by a monobloc, comprising a case packer and a palletizer equipped with a robot.
Apart from the all-aluminum primary packaging, this line's key feature is the inclusion of track & trace technology by SEA Vision.

Source: Healthcare Packaging

Development of an LCA-based tool to assess the environmentalsustainability level of cosmetics products.

The depletion of natural resources and the downgrading of the environment, driven by globalization and consumerism phenomena, are worldwide pushing the interest in sustainable manufacturing paradigm and environment preservation. Itis moreover clear to academia and practitioners that the cosmetics industry needs to update its current operations to face new sustainable requirements and norms due to its ever-growing size and massive consumption of natural resources. The core of this paper is on the development of a novel tool to classify cosmetics products based on the results of LCA: the eco-friendliness assessment tool (EFAT). The results coming from the tool application allowed the definition of the company product eco-friendliness. The eco-friendliness is symbolized by an alphabetical letter and a color. The paper proposes a practical tool to assess the environmental sustainability level of cosmetics products, with the intention to overcome two of the main literature gaps found in the state of the art: (i) absence of LCA methodology implementation in the cosmetics industry on makeup products, (ii) absence of tools that rely on the results of the LCA analysis of a cosmetic product for understanding its sustainability level of sustainability.

Rocca R, Acerbi F, Fumagalli L and Taisch M 2023 Development of an LCA-based tool to assess the environmental sustainability level of cosmetics products The International Journal of Life Cycle Assessment 1–25

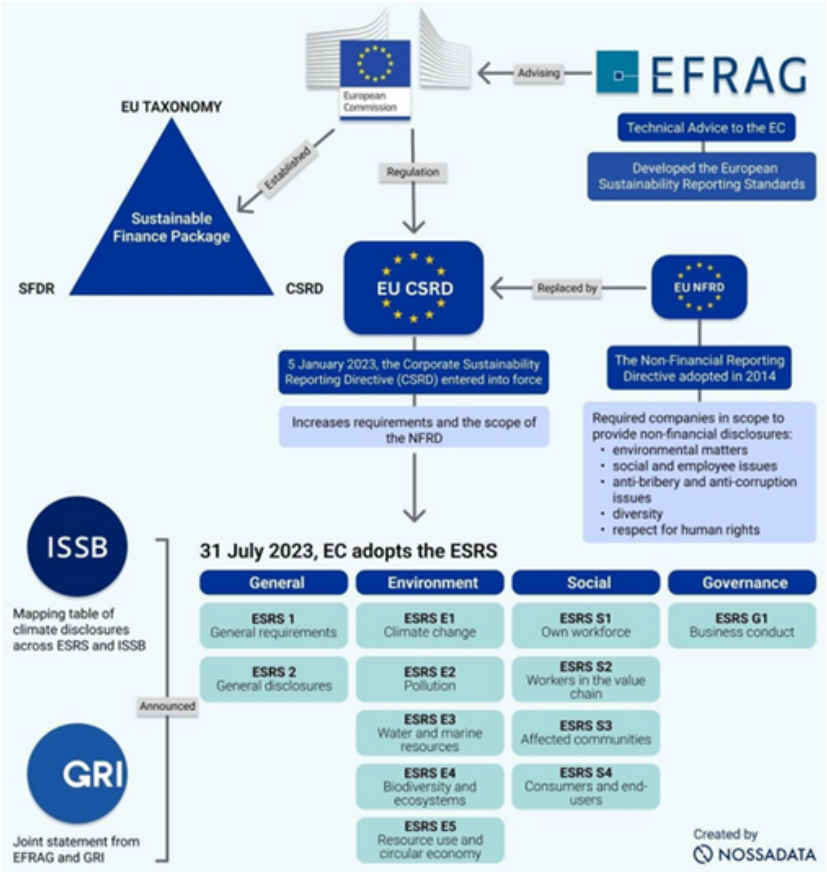
LEGISLATION

EU Green Claims Directive

EU develops new criteria to stop companies from making misleading claims about environmental merits of their products and services.
With a proposed new law on green claims, the EU is taking action to address greenwashing, and protect consumers and the environment.
Ensuring that environmental labels and claims are credible and trustworthy will allow consumers to make better informed purchasing decisions. It will also boost the competitiveness of businesses who are striving to increase the environmental sustainability of their products and activities.
The proposal requires companies to substantiate claims they make about environmental aspects or performance of their products and organisations using robust, science based and verifiable methods.

More information: https://environment.ec.europa.eu/topics/circular-economy/green-claims_en

EU Commission adopts European Sustainability Reporting Standards



The European Commission has adopted the European Sustainability Reporting Standards (ESRS), which must be used by all companies subject to sustainability reporting, according to the Corporate Sustainability Reporting Directive (CSRD). Another step towards a green European economy!

The standards cover all environmental, social and governance aspects, including climate change, biodiversity and human rights. They aim to provide investors with information to understand the sustainability impact of the companies in which they invest and ensure integration with international standards developed by the International Sustainability Standards

Board (ISSB) and the Global Reporting Initiative (GRI).

More information : https://finance.ec.europa.eu/regulation-and-supervision/financial-services-legislation/implementing-and-delegated-acts/corporate-sustainability-reporting-directive_en

More allergens to be individually labelled

The Official Journal of the EU includes a new Commission Regulation on the labelling of fragrance allergens in cosmetic products.

Regulation (EU) 2023/1545 adds new substances to the existing list of 25 allergens to be individually mentioned when present in concentration that exceeds:
0,001 % in leave-on products; and
0,01 % in rinse-off products.

More information: https://coslaw.eu/more-allergens-to-be-individually-labelled-cosmetics/

Polo Innovation Day

The Innovation Day, now in its sixth edition, is the event dedicated to the Italian and international cosmetic production chain, in all its components: raw materials, machinery and automation, packaging, contract production and full service solutions.
The issue of sustainability continues to be at the top of the political agendas and dictates corporate strategies. The Italian cosmetics industry is at the forefront to face the resulting changes to remain competitive on the market stimulated in turn by the demands of consumers, increasingly attentive to the use of "green" products.

Environmental awareness is reaching very high levels, but often hides pitfalls and deep contradictions. With the risk of transforming virtuous principles into ideological and specious positions.
Polo Innovation Day aims to clarify by putting the spotlight on the rules of the game that also include the regulations launched by the European Union on the use of materials, ingredients and packaging.
The day will be characterized by two moments of confrontation between the protagonists of the cosmetic world (entrepreneurs, managers, university professors, etc.).

First Round Table: Where is Europe going between packaging sustainability and the use of new materials?
Second Round Table: Can luxury be green?

When : Thursday, October 12, 2023
Where : Autotorino, Via Milano, 77 – Crema

More information : https://www.poloinnovationday.com/

Cosmetic 360 - CLEANTECH Conference Program

Wednesday 18th - Session 1: Consumer trends

10h20 – 10h40 : Macro movements 2023-2027: setting up a new equilibrium
BEAUTYSTREAMS – Mikael Nolte, Global Creative Director
10h40 – 11h00 : Consumer Awareness vs Action, How to Win in Sustainability
EUROMONITOR - Maria Bogdanova, Product Manager, Sustainability
11h00 – 11H20 : Why it is time for the beauty and cosmetics industry to refresh its approach to waste and overproduction
AVERY DENISON - Maryna Grytsenko-Nénon, Market Development Europe
11h20 – 11h40 : Promoting Sustainable Consumption in the Cosmetics Industry through AI Technology
Haut.AI - Anastasia Georgievskaya, CEO
11h40 – 12H30 : Round Table – New consumer usage for circular beauty : refill, bulk and solid
BONALS, Anthony SOUSA, Sales Director - COZIE, Arnaud LANCELOT, CEO - DIVA FLORA, Frederic BAROIN, CEO - L'OREAL - Elodie BERNADI, CSR Director France - SEPHORA (To be confirmed)

Wednesday 18th - Session 2 : Sustainable Packaging

13h40 – 14h00 : Seizing the Opportunities in Sustainable Packaging in Beauty and Personal Care
EUROMONITOR - Maria Bogdanova, Product Manager, Sustainability
14h00 – 14h20 : How to use packaging ecodesign as a performance lever in your decision making?
QUANTIS - Victor Frontère, Cosmetics and Personal Care Lead, France
14h20 – 14h40 : Microbiology risk analysis of an airless skincare refill packaging
APTAR - Patrick BOUSQUEL, Marketing Director Beauty EMEA & Florence ROULLET, Applied Sciences Director GMI
14h40 – 15h00 : Packaging for recycling – how to improve the recyclability of cosmetic packaging in the industry
ALBEA - Gilles Swyngedauw, VP, Corporate Social Responsibility and Product Sustainability for Cosmetics & Fragrance
15h00 – 15h20 : Biochar – a plastic alternative that stocks CO2
MINELLI GROUP - Paolo Minelli, Director mPackting
15h20 – 15h40 : Unboxing sustainability: how to inspire positive action with packaging
WOOLA - Anna-Liisa Palatu, CEO & Co-Founder
15h40 – 16h00 : 100% natural packaging material – the footprint analysis
RAIKU - Karl Pärtel, Co-Founder

Thursday 19th - Session 3 : Decarbonizing Industry

10H20 – 10h40 : From Shadows to Light: Engineering Trust in the Carbon Market
CARBONABLE - Ramzi Laieb, co founder
10h40 – 11h00 : CO2-DISSOLVED: Decarbonizing an industrial process while producing renewable energy
BRGM - Christophe KERVEVAN, Research Engineer / Project Manager
11h00 – 11h20 : Renewable hydrogen: a tipping point in decarbonation
LHYFE - Olivier Job, Business developer
11h20 – 11h40 : Decarbonizing the industry with Climate Oils - COLIPI - Max Webers, CEO
11h40 – 12h00 : Turning biowaste into biodegradables polymers for cosmetics formulation
DIONYMER - Thomas Hennebel, CEO & Cofounder

Thursday 19th - Session 4 : Bio based ingredients to replace petro chemistry

13h40 – 14h00 : Round Table : Circular economy to replace petro sourced chemistry
GIVAUDAN ACTIVE BEAUTY - Mélanie Duprat, Category Manager & Sustainability Representative
LVMH Research - Patrick CHOISY, Associate steering Director of Upstream Research
SURFACTGREEN - Francis Galle, Responsable du laboratoire formulation
L'OREAL - Olivier ROLLAND, Global Director R&I L'Oreal for the future & Green Sciences Strategy Initiative
14h00 – 14h20 : The challenges facing the cosmetics industry for the Ocean
FONDATION DE LA MER - Christine Poisson, Vincent Duret, Ocean Approved Label Managers
14h20 – 15h00 : Advancing sustainable cosmetics through innovation, valorization opportunities and Cooperation
(RE)SET - Frank Gana, CEO and co-founder
15h00 – 15h20 : CLEAN INGREDIENT TECH – assessing full product portfolio for global compliance to avoid wasteful reformulation and more easily integrate cleaner ingredients
THE GOOD FACE PROJECT - Lucas Nanini, GM Europe & Asia Operations
15h20 – 16h00 : Round Table INCOCELLS
A European project for the development of new natural active ingredients for cosmetics
Plant Advanced Technologies - Frédéric Bourgaud, Directeur Général Délégué à la Recherche,
VTT (Finland) - Kirsi 'Oksman-Caldentey, Senior Advisor, Adjunct professor, PhD,
Technologie en Voeding (Belgium) - Bart Van Droogenbroeck, Bio-ingenieur in de Cel- en Genbiotechnologie PhD

MILANO BEAUTY WEEK

Milano Beauty Week is an event organised by Cosmetica Italia, in partnership with Cosmoprof and Esxence.

This cultural project aims to promote the social, scientific and economic value of cosmetics, as well as to highlight the peculiarity of the Italian cosmetic supply chain - from multinationals to small/medium production companies, including packaging, raw materials and machinery manufacturers.

This year's edition of Milano Beauty Week will be held from 26th September to 2nd October 2023 with a full program of activities and experiences that will liven up the streets, squares and commercial spaces of Lombardy's main city.

Entrepreneurs, field workers and experts, beauty enthusiasts, hair and beauty professionals, citizens and visitors will be the protagonists of a Week devoted to the culture of beauty and well-being.

From toothpaste to soap, from shaving cream to shampoo, not to mention perfumes and make-up, each one of us uses at least eight cosmetic items every single day. From hygienic gestures, passing through hydration and protection, self-care products are our essential allies for our well-being and self-esteem, at every stage of our lives.

Innovation, sustainability, inclusion and emotion: these are the main topics of this unique event, which aims at becoming an annual collective recurrence.

The initiative involves the public with an in-person and digital offer of talks, experiential workshops, charity initiatives, themed paths, and events at the historical Palazzo Giureconsulti, a short walk from the Duomo, which will host the Beauty Village for all the event dates, and also in other locations and commercial spaces.

Following the success of the first edition, Milano Beauty Week 2023 aims at affirming cosmetics as essential products and at positioning the related industry as an excellence of Made in Italy production: an excellence deserving to be celebrated within the calendar of the Milanese Weeks.

"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or EISMEA. Neither the European Union nor the granting authority can be held responsible for them."

Co-funded by the European Union