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COVER STORY

Sustainability Trends to Watch
out for in 2021 - 22

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Editorial

The sustainability and clean energy landscape are quickly evolving. Sustainability is at the forefront of concerns among most manufacturing companies in India, as the pandemic turns a corner in the country to some degree, and consumption is set to rise.

India's economy is growing, and demographic advantage makes the industry players confident of robust growth in demand in the long term. Plastic consumption is projected to spike in the developing world over the next 10 years, at a point where the focus on developing a more circular economy for the materials is becoming more intense.

Given the importance of this topic we bring to you in this issue the key sustainability trends to watch out for in 2021-22 by Energywatch Inc. Read on to explore all the latest sustainability trends you need to know about. In addition, included are action items after each one so that your organization can get on board.

Household detergents have undergone many formulation updates to improve the cleaning power of surfactants and to adapt formulations to specific applications. Some of these update are outlined in article in this issue on, "Performance enhancements in select industrial applications use surfactants, surfactant additives, and thermostable enzymes," by the authors Raj Shah Richard D. Ashby, and Amanda Loo of INFORM Magazine.

This paper focuses on more recent developments in the use of surfactants for household as well as industrial use. Authors have given specific examples that include the use of enzymes derived from moderately thermophilic bacteria as laundry detergent additives, the use of surfactants and surfactant additives in the manufacture of warm mix asphalt, and the use of foaming agents in chemical enhanced oil recovery.

Besides the above you will find regular updates on global and local news, regulations, packaging, and patents and so on.

Happy reading and please do not forget to send us your valuable feedback to help us improve.



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International Confrence On Soaps, Detergents & Cosmetics
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COVER STORY

Sustainability trends to watch out for in 2021-22

The sustainability and clean energy landscape are quickly evolving. This is nowhere more apparent than in all the new trends we're seeing for 2021 and 2022! Net zero emissions is on its way to being replaced by climate positivity, sustainable products that were just taking off last year are booming now, ESG investing is taking over the financial world, and more cities and states are requiring companies to report on energy use and emissions.

Read on to explore all the latest sustainability trends you need to know about. In addition, included action items after each one so that your organization can get on board.

2021/2022 SUSTAINABILITY TRENDS

1. Sustainable Products Will Become the Norm

Thanks to Gen Z, sustainable products are one of the top sustainability trends. Expect sustainable products to become mandatory among consumers in the coming months and years. More than any other generation, Gen Z is aware of climate change, loss of biodiversity, and the responsibility they must try and fix these issues. Research suggests that 54% of these young adults think a company's environmental and social efforts are very or extremely important when considering whether to purchase a service or a product. As if that weren't enough, Gen Z is gaining more purchasing power as they join the workforce, so your organization needs to take environmental and sustainability seriously if you want to attract customers.

So, what types of consumer products can you expect to see going sustainable? Our prediction is food, fashion, and lifestyle products:

- **Food** production is currently responsible for 26% of greenhouse gases and has a major part to play in habitat destruction and freshwater consumption. Consumers are more aware of these facts than ever before, hence the growth of veganism and plant-based diets. In fact, consumption of plant-based meat and dairy substitutes rose during the pandemic. According to Nielsen, sales of meat alternatives were up 140% in the US! Unilever expects to increase its plant-based meat and dairy alternatives sales to €1bn in five to seven years. Meanwhile, sustainable grocery delivery services like Imperfect Foods and Misfits Market, which sell products that would ordinarily be discarded, are gaining popularity.
- **Fashion** brands must get sustainable – or risk not making the cut with consumers. Research from BCG found that 38% of consumers switched from their preferred clothing brand to a different one that has better environmental and social practices.
- **Lifestyle** changes like switching to electric vehicles, demanding sustainable or (less!) packaging and digitalization (to save paper) will rise among consumers in the coming year.

Action Item(s):

1. If your organization produces packaged products, it would be wise to work on reducing your plastic packaging or transition to more sustainable packaging methods like plant-based compostable and biodegradable packaging.
2. Calling all fashion brands: start using sustainable materials, making their supply chains transparent and ethical, and creating circular fashion systems through designing, producing, and selling products that reuse and recycle post-consumer textiles. Examples include:
 - Adidas, which is launching a range of footwear made from recycled fabrics and natural materials.
 - Patagonia, which is looking at natural solutions to remove carbon from the atmosphere, including adopting regenerative farming.

3. At the very least, your organization should be monitoring your emissions, energy and water use, and waste amounts so you can start working to reduce them.

2. ESG Investments Will Continue to Rise

ESG (Environmental, Social and Governance) is a form of investing with the environment and social good as its guiding principles. Since the pandemic began, ESG has become one of the popular sustainability trends to get involved in. Investors and organizations realize the importance of non-financial considerations and are looking beyond profits in such challenging times. For example, BlackRock, the world's largest asset manager has put sustainability at the center of its investment ethos.

Action Item(s):

ESG can be an intimidating arena to step into. Check out these great guides from GRESB and CNBC to get started.

3. Renewable Energy Will Become Increasingly Cheaper,

Fossil fuels used to be much cheaper than renewable energy, but that is quickly changing. Wind and solar plants became 70% and 89% cheaper in the last ten years and, their capacity will exceed coal and gas in less than five years, according to the IEA's Renewables 2020. In fact, solar power is now cheaper than coal!

Renewable energy will continue to get cheaper because renewable technology costs follow a learning curve: they get cheaper as we increase capacity. Thus, when countries like the U.S. deploy renewables, they lower the costs for everyone and make the technology accessible for the entire world.

Action Item(s):

Research green energy procurement and decide if it could be a good fit for your company now or in the future.

4. Working from Home is Here to Stay

The work-from-home lifestyle is one of the more unconventional sustainability trends, but it's surprisingly effective. Work-from-home took off as a necessity during COVID-19, but it turns out that working remotely is also very good for the environment. When we work from home, we reduce the number of cars on the road and energy used by office buildings, thus reducing overall greenhouse gas emissions and fossil fuel consumption. Major companies like Twitter, Shopify, and other tech companies have already committed to their staff working from home fulltime even when lockdowns lift. This means widespread benefits to the environment generally from less consumption. In the words of Kate Lister, the President of Global Workplace Analytics, " ... there is no easier, quicker, and cheaper way to reduce your carbon footprint than by reducing commuter travel."

Action Item(s):

1. If possible, leave the option open for your employees to work from home part or full-time.
2. If employees need to work in person, provide public transportation vouchers to help limit the number of cars on the road.

5. Carbon Offsetting Will Go Mainstream

Carbon offsetting means making up for the emission of CO₂ or other greenhouse gases to the atmosphere. A carbon offset occurs when a company or organization funds carbon-offset projects that remove greenhouse gases from the atmosphere or prevents some greenhouse gases from being released. Carbon offsetting can be as simple as planting trees, or more complicated (e.g. investing in carbon capture technology). Carbon offsetting is already common in sustainability circles, but with the rise in popularity of net zero emissions, we expect that 2021 will see carbon offsetting go mainstream and public. True, offsets are often seen as greenwashing, but this will likely change as more credible options are becoming available, contributing high-quality offset projects.

Action Item(s):

Explore the different types of carbon offsets available and speak with decision makers at your organization to see which ones would work best for your company. Avoid excessive offsetting to ensure your actions are not just greenwashing but providing meaningful action and true environmental responsibility.

6. Forget Net Zero Emissions – Climate Positive Is the Next Big Thing

If your company is already on the carbon offset bandwagon and committed to net zero, expect things to go to the next level in the coming year. The net zero emissions initiative is currently booming (click here to learn all about it), but we expect it to soon be superseded by climate positivity, whereby a company's activities are actually creating an environmental benefit by removing additional carbon dioxide from the atmosphere.

Action Item(s):

If your company is already working towards a net zero target, you can begin to assess climate positive actions. Climate positive actions include tree planting, carbon capture and sequestration, investing in regenerative agriculture (which helps reverse climate change by restoring soil organic matter and biodiversity) and more. Sit down with decision makers at your organization and decide which path is best to take, if any. Better yet, poll customers and investors to see which option they value the most.

7. Companies Will Be Required by the Government to Disclose Climate Risks to the Public

States like Colorado and cities like New York are already requiring buildings and organizations to report on their emissions and energy use. Expect many more states and cities to follow suit in 2021/22. Keep in mind that this will lead to big changes for your organization in terms of share prices, financing options, willingness of investors to invest, etc.

Action Item(s):

Before you can begin reporting on your emissions and energy use, you have to be able to measure Energy and sustainability management software like WatchWire from EnergyWatch can help you gather and organize the necessary data. Consider the different platforms on the market and get set up with one – it will put you ahead of the game so you'll be ready when reporting requirements are inevitably passed.

8. Clean Air Will Become a Higher Priority

After the world saw pictures of polluted skylines become clear during the pandemic, the importance of air quality came into stark focus. In addition, with a respiratory disease like coronavirus still a major threat, clean air is vital for health and wellness. Expect improvement of air quality to be a big issue in 2021/22.

Action Item(s):

1. Enter, energy and sustainability management software once again! You can manage what you can't measure, and that includes your building(s) emissions. Use energy and sustainability management software to determine how much greenhouse gas emissions your organization is producing, then create efficiency projects to reduce that amount. Don't forget to measure and verify them for effectiveness!
2. If your company uses vehicle fleets for operations, consider switching to hybrid or electric in order to reduce your overall emissions.

9. Organizations Will Face Consequences for Insufficient Climate Action

Last year, poor social and environmental performance caused the CEO of the world's largest mining company to resign; the stock of three chemical giants plummeted; and corporations were called to the carpet for poor emissions offset programs. This shows that climate action is no joke among the public, and the stakes are only going to get higher.

Action Item(s):

1. When your organization announces new sustainability and climate plans, you should expect all claims to be carefully inspected by shareholders and the public. Carefully vet all plans and double check data.
2. Make sure to address emissions spanning your entire value chain. Being transparent is the best thing you can do.
3. Avoid "greenwashing," i.e., touting your organization's actions or products as being more sustainable than they actually are. Your investors and customers are smart, and they'll figure out the truth.

10. Electric Utilities Will Face Increasing Pressures to Re-invent Themselves

Resilience is top of mind for utilities right now as heatwaves across the nation have tested grid reliability. Expect to see utilities exploring new business models that use microgrids, smart grid technology, distributed energy resources (DERs), and energy storage to build stronger and more intelligent services.

Action Item(s):

1. If you work for a utility, the best thing to do is invest in a customer engagement platform. An Energy and Sustainability customer engagement portal enables customer value and visibility for you to identify the correct programs for your clients. Controlling costs, reducing usage and carbon are key goals that your clients are trying to meet. A customer engagement platform, like WatchWire from EnergyWatch, allows commercial and industrial users to turn their utility data into actionable insights both in and out of territory.

2. If you work at an organization, company, or manufacturing plant, discuss with your decision makers and the utility you use how you can take advantage of and implement energy storage and DERs.

Source: <https://energywatch-inc.com>

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ARTICLE

Performance enhancements in select industrial applications using surfactants, surfactant additives, and thermostable enzymes

Raj Shah Richard D. Ashby, and Amanda Loo

- Household detergents have undergone many formulation updates to improve the cleaning power of surfactants and to adapt formulations to specific applications.
- This paper focuses on more recent developments in the use of surfactants for household as well as industrial use.
- Specific examples include the use of enzymes derived from moderately thermophilic bacteria as laundry detergent additives, the use of surfactants and surfactant additives in the manufacture of warm mix asphalt, and the use of foaming agents in chemical enhanced oil recovery.

From a domestic perspective, the term “detergent” typically refers to a cleaning agent that is most associated with laundering and dishwashing processes. Synthetic detergents were first developed in Germany during WWI as a means of offsetting the shortage of fats and oils necessary to produce soaps. At that time, Otto Rohm (the founder of Rohm and Haas in 1907) discovered that the use of enzymes greatly enhanced the cleaning potential of textile materials, which revolutionized the use of washing detergents. In the United States, research into the production of household detergents was initiated at Procter & Gamble in the 1930s. At that time, surfactants (short for “surface-active agents”) were introduced into laundry detergent formulations. Surfactants lower the surface tension of water thus providing a mechanism to release oil and grease from the textiles and suspend them in water until they can be rinsed away. Then, in 1933, Procter & Gamble’s first detergent, Dreft®, hit the market.

Household detergents have since undergone many formulation updates to improve cleaning power and to adapt formulations to specific applications. The detergents of today are primarily composed of builders (chelating or sequestering agents) whose function is to remove dissolved minerals (primarily calcium and magnesium) from water to reduce the amount of soap scum that can accumulate on fabric and/or other washed materials. Unfortunately, these builders have historically been associated with different phosphate analogs that have been demonstrated to be environmental pollutants.

Other important components in detergent formulations are surfactants (i.e., linear alkylbenzenesulfonates; LAS, or more recently alkyl sulfates such as sodium dodecyl sulfate; SDS) which are most responsible for the cleaning performance of any detergent, and enzymes that can replace harmful chemicals in detergents, making them more environmentally friendly and cost-effective Display footnote number:[2]. Many different types of enzymes have been added to detergent formulations, including proteases to break down proteins, lipases to break down lipids, and amylases to break down carbohydrates. It is expected that the enzyme market will reach \$13–14 billion in 2025, with the detergent industry occupying as much as 25–30% of that market. Various other ingredients have also been added to detergent formulations, such as buffering agents to control the pH balance of the washing solution, stabilizers for consistent cleaning, lather enhancers, perfumes, and brighteners for improved results Display footnote number:[1].

There are four types of surfactants: anionic, nonionic, cationic, and amphoteric/zwitterionic Display footnote number:[4]. Anionic surfactants dissociate in water, while nonionic surfactants do not ionize. These two surfactants are the most-used, with anionic surfactants composing about 50% and nonionic surfactants composing about 45% of global production. Cationic surfactants dissociate like anionic surfactants, with the main difference being that cationic surfactants dissolve into halogen-type amphiphilic cations and anions, while anionic surfactants dissolve into alkaline metal or quaternary ammonium amphiphilic cations and anions. Amphoteric/zwitterionic have both cationic and anionic dissociations.

The most favorable applications for individual surfactants are determined based on their hydrophilic/lipophilic balance (HLB) and their functional properties (surface-tension-lowering properties in water and critical micelle concentrations).

The HLB index is a value that is correlated to the relative distribution of water-soluble (i.e., hydrophilic) and oil-soluble (i.e., lipophilic) segments of a surfactant molecule. In other words, the HLB value of a surfactant can be regarded as the relative water solubility of any individual surfactant; the higher the HLB value, the more hydrophilic and hence the more soluble it is in water. Conversely, the lower the HLB value, the more hydrophobic the molecule and the more soluble it is in oil.

Originally the HLB index was applied solely to nonionic surfactants; however, its use has now been extended to ionic surfactants. The range of HLB values for non-ionic surfactants is 0–20 but could go much higher in ionic surfactants (to as high as 50) based on their ionization behavior. Based on this classification system, a nonionic surfactant of certain HLB value could potentially be used as an antifoaming agent (HLB = 1–3), a water-in-oil (W/O) emulsifying agent (HLB = 3–6), a wetting agent (HLB = 7–9), an oil-in-water (O/W) emulsifying agent (HLB = 8–16), a detergent (HLB = 13–16), or a solubilization agent (i.e., to facilitate the solubilization of water-insoluble substances; HLB = 16–18). The use of the HLB index has been widely adopted by many industries to ease the formulation of commercial products that require the addition of surfactants as functional ingredients.

Other popular parameters for predicting the suitability of a surfactant molecule for washing and cleaning applications are the critical micelle concentration (CMC) and the effects of the surfactant on the minimum surface tension (γ_{min}) of water in its presence. As with HLB values, the CMC and γ_{min} of a surfactant are governed by its structures and compositions, which in turn are influenced by its production and purification processes. Unlike the HLB values, however, the CMC and γ_{min} values of any surfactant can be determined by experimental procedures using tensiometry.

TABLE 1. Industrial applications of surfactants Display footnote number:[3]

TABLE 1. Industrial applications of surfactants [3]

Industrial Application	Consumer Products
<ul style="list-style-type: none"> • Foods • Agriculture • Plastic and chemical industry • Adhesives • Paints • Leather and furs • Road construction • Metal processing 	<ul style="list-style-type: none"> • Detergents • Cleaning and dishwashing agents • Personal products

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TABLE 2. Experimentally obtained crude lipase activity when mixed with chemical and commercial detergents Display footnote number:[6]

TABLE 2. Experimentally obtained crude lipase activity when mixed with chemical and commercial detergents [6]

Detergent type	Detergent	Activity
Chemical	SDS	48.3
	Tween 20	83.6
	Tween 80	107.6
Commercial	Ghandhi	84.3
	Surf Excel	95.6
	Ariel	103
	Ezee	104.3

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Table 1 depicts a more extensive list of the several applications of surfactants. Understanding the vast potential of surfactants in industrial applications, this paper focuses on more recent developments in surfactant use, specifically on the use of enzymes derived from the moderately thermophilic *Anoxybacillus* bacteria as detergent additives, and on the use of surfactants for warm mix asphalt, and enhanced oil recovery.

LAUNDRY DETERGENT ADDITIVES

A relatively new advancement in surfactant additives is the use of extremophilic bacteria to produce new thermostable enzymes that improve stability in laundry detergent formulations, especially in warm-hot water washes. Extremophilic bacteria have adapted to live in extreme conditions, such as in environments with high temperatures, high pressures, high salinity, and/or high acidity or alkalinity (pH) levels. To withstand the environmental conditions placed upon these bacteria, they have altered their enzymatic makeup such that the vital processes within the cell can be performed under extreme conditions. Proteases are enzymes used in pharmaceuticals, detergent formulations, and other commercial products. They hydrolyze peptide bonds and account for approximately 65% of global enzyme sales.

SAPA is an alkaline protease from *Anoxybacillus kamchatkensis* M1V and is a member of the serine protease family. It is a monomer with a demonstrated optimal activity at 70°C and a pH of 11 which makes it a potentially valuable candidate for addition to laundry detergent formulations. The isolation of the SAPA protease was accomplished from water samples that were collected from the Hammam Righa hot spring in Algeria, where the bacteria *Anoxybacillus*, meaning "Bacillus without oxygen," was isolated. The rSAPA enzyme was found to be a good detergent additive because of its high thermal stability and high hydrolytic effect on chocolate and blood Display footnote number:[5].

The effects of lipase activity from *Anoxybacillus* have also been studied in laundry detergent preparations. Lipase is used as a laundry detergent ingredient because it is typically eco-friendly and can facilitate the removal of oil stains Display footnote number:[6]. Furthermore, the ability of lipase to hydrolyze carboxylic ester bonds and catalyze processes, such as esterification and transesterification, makes it a useful component to detergent formulas Display footnote number:[7]. Recently, a thermostable lipase was isolated from *Anoxybacillus* sp. ARS-1 which was sampled from Taptapani Hot spring in India by solid substrate fermentation (SSF) using mustard cake as substrate. Based on statistical optimization using central composite design (CCD), the maximum lipase production of 29.4 IU/g occurred at 57.5°C, a pH of 8.31, and in the presence of 50% moisture and 1.2 mg of biosurfactants. Crude lipase (the cell-free lipase after 1 mL of sterile water and 0.1 g of biomass were centrifuged together) was obtained and was mixed with different detergent types at 1% w/v with the activity results shown in Table 2.

Lipase must be stable in the presence of surfactants to be used in detergent formulations because of the severe conditions they must undergo. As seen in Table 2, the crude lipase activity was maximized in nonionic detergents (Tween 20 and Tween 80). Tween 80 demonstrated higher activity in the presence of the crude lipase compared to Tween 20 due to its longer acyl ester chains. The crude lipase activity in commercial detergents varied according to the specific detergent but was more than 100% in Ariel, an anionic detergent developed in Europe by Procter & Gamble, and Ezee, a cationic detergent Display footnote number:[8, 9] made by the Godrej Group, a multinational conglomerate based in Mumbai, India, that is formulated for woolens and other delicate items. The Anoxybacillus lipase was found to be a beneficial additive because of its activity, relative resistance, and compatibility with all the studied detergents and surfactants Display footnote number:[10]. This indicates that these enzymes would be valuable laundry detergent additives, provided they can be obtained economically.

WARM MIX ASPHALT

Asphalt is used in many construction projects, such as highways, driveways, and sidewalks. Hot mix asphalt (HMA) is typically manufactured at about 160°C, while warm mix asphalt (WMA) is manufactured at temperatures that are approximately 20–40°C lower than HMA. As such, WMA may allow for important economic and environmental benefits as it requires lower energy consumption for construction projects compared to HMA Display footnote number:[11]. WMA can also be used during cold weather for paving and construction, while this weather condition is not ideal for HMA utilization Display footnote number:[12]. However, road construction materials can be hazardous to the environment, as working with these materials releases CO₂ and requires high energy consumption (Table 3).

TABLE 3. CO₂ emissions and energy consumption values of road materials Display footnote number:[13]

TABLE 3. CO₂ emissions and energy consumption values of road materials [13]

Material	CO ₂ emissions (kg/1,000 kg)	Energy consumption (MJ/1,000 kg)
Base asphalt	288	5,000
Aggregate	9	110
Cement	375	4,000
Steel	1,900	20,000

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TABLE 4. Experimental plan for a 2017 study involving three distinct additives mixed with WMA with HMA as a standard Display footnote number:[11]

TABLE 4. Experimental plan for a 2017 study involving three distinct additives mixed with WMA with HMA as a standard [11]

Temperature (°C)	Mix
165	HMA
145	WMA + Additive 1
	WMA + Additive 2
	WMA + Additive 3
120	WMA + Additive 1
	WMA + Additive 2
	WMA + Additive 3

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These large numbers indicate that more eco-friendly approaches to construction are necessary to reduce these environmental threats. Studies have shown that WMA manufacturing maintains a 30–40% reduction in CO2 emissions, a 35% reduction in SO2 emissions, and a 10–30% reduction in CO emissions when compared to HMA manufacturing Display footnote number:[14] thus demonstrating a lower environmental footprint than HMA and making WMA a beneficial alternative for large-scale use.

In a 2017 study, three surfactant additives were used to lower the WMA manufacturing temperature. Additive 1 was a traditional surfactant possessing an amine composition, additive 2 was a nano-additive, and additive 3 was a vegetable additive. Results of that study showed that the nano-additive changed the alkalinity of the asphalt surface, and the vegetable additive possessed surface-active properties. Each of these additives was included with WMA at a 0.5% dosage by weight, and the mixtures were observed at temperatures of 145 and 120°C (Table 4). Results of the 145°C mixtures showed a decrease in water sensitivity, while the 120°C mixtures did not show as promising results. However, additives 1 and 2 were more promising compared to additive 3 at 120°C because the two showed around 98% density values, which was the same density value for HMA. Overall, the nano-additive (additive 2) was found to be the most promising of the three because of its high resistance to water and plastic deformations. After further testing of additive 2, a dosage of 0.05% showed even higher resistance to plastic deformations and less dependence on manufacturing temperature.

TABLE 5. The mechanisms and advantages of the four types of surfactants in enhanced oil recovery Display footnote number:[20]

TABLE 5. The mechanisms and advantages of the four types of surfactants in enhanced oil recovery [20]

Surfactant	Mechanism	Advantages	Surfactant	Mechanism	Advantages
Cationic	Reduces IFT and effects wettability	Best EOR surfactant in carbonate reservoirs	Nonionic	Reduces IFT	Useful for surfactant flooding
Anionic	Reduces IFT	Stable foam formation in sandstone reservoirs	Zwitterionic	Reduces IFT and effects wettability	High foaming performance; high thermo stability

ENHANCED OIL RECOVERY

Enhanced oil recovery (EOR) involves methods to improve the extraction of oil from matured reservoirs. CO₂ foams are helpful for EOR because they are more environmentally friendly than other extraction methods due to their propensity to reduce greenhouse gas emissions by trapping carbon Display footnote number:[16], thus making them a more popular alternative in the gas and oil industries Display footnote number:[15]. The structure of surfactants (a polar head and hydrocarbon tail) results in foam formation when a gas mixes with the surfactant Display footnote number:[15]. Foam flooding is the process of placing foamed gas in an oil reservoir. As the gas dissolves in the oil, the oil's mobility increases for oil recovery. "Thief zones" are defined as areas of high permeability in oil reservoirs that are reaching residual oil saturation Display footnote number:[17]. By adding surfactants, the CO₂ flow through these thief zones within the rock sections can be minimized, thereby resulting in increased oil recovery Display footnote number:[16].

A principal purpose of using surfactants in EOR is to decrease the interfacial tension (IFT) between oil and water. Surfactants also can change the wettability, which is the change in oil-wetting state to water-wetting state when the surfactant is adsorbed on the rock surface and interacts with oil molecules Display footnote number:[18, 19]. The surfactant can promote the water-wetting state, which enhances oil recovery as residual oil saturation of the reservoir decreases Display footnote number:[20].

Table 5 shows how each type of surfactant works to reduce IFT in chemical EOR, with cationic and zwitterionic surfactants also affecting wettability. It has previously been determined that cationic surfactants are not efficient for sandstone reservoirs and anionic surfactants are not efficient for carbonate reservoirs, which is consistent with Negin's conclusions.

FomaxII, FomaxVII, and UTP-Foam are foaming agents for surfactant alternating gas flooding (SAG) that have been studied previously. These foaming agents have CO₂-philic groups with branched tail groups that stabilize foams and the CO₂/ brine interface during SAG flooding Display footnote number:[21]. In a 2015 study where different alkalis functioned as additives for water alternating gas flooding (WAG), the studied anionic surfactants produced more stable foams compared to nonionic surfactants. Sodium hydroxide decreased foam stability while sodium carbonate and sodium borate increased foam stability Display footnote number:[22]. A critical finding of studies like these was that anionic surfactants were more efficient in CO₂ EOR than nonionic surfactants. However, an ecological drawback to this discovery was that several anionic surfactants that can potentially be used in CO₂ EOR are potentially toxic to aquatic life Display footnote number:[16].

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These are just a few examples of the industries that have benefitted from the expanded use of surfactants, surfactant additives (mixing of different surfactants), and new enzymes. Suffice it to say that improvements and new applications continue to be made in numerous industries.

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GLOBAL NEWS

Procter & Gamble to acquire Farmacy

Procter & Gamble has struck a deal to purchase indie skin care brand Farmacy Beauty, according to a report published by WWD. The US FMCG giant declined to comment on the terms of the deal, although WWD reports that the brand is expected to report net sales of US\$80 million this year.

Farmacy Founder David Chung told WWD that he has mastered the incubation phase of creating a brand but needs the resources available to a company like Procter & Gamble to grow further. Markus Strobel, President of Skin and Personal Care at P&G Beauty told WWD, "We've had our eyes on the brand for quite a while. It's an attractive brand with amazing potential and an unusual positioning – deeply rooted in science combined with natural 'farm to face' ingredient sourcing. This combination is super attractive and fills a space in our portfolio that we don't have."

Source: globalcosmeticnews.com November 17, 2021

Johnson & Johnson to separate consumer business

Johnson & Johnson has announced a plan to spin off its consumer health business, creating a new publicly traded company.

The new Consumer Health Company would comprise four US\$1 billion megabrands and 20 brands over US\$150 million, including Neutrogena, Aveeno, Tylenol, Listerine, Johnson's and Band-Aid. It is expected to generate revenue of US\$15 billion in full year 2021/2 and its Board of Directors and executive leadership is yet to be determined or announced.

Following the planned separation, Alex Gorsky will serve as Executive Chairman of Johnson & Johnson and transfer the CEO role to Joaquin Duato, effective January 3, 2022.

Gorsky explains, "Throughout our storied history, Johnson & Johnson has demonstrated that we can deliver results that benefit all our stakeholders, and we must continually be evolving our business to provide value today, tomorrow and in the decades ahead. Following a comprehensive review, the Board and management team believe that the planned separation of the Consumer Health business is the best way to accelerate our efforts to serve patients, consumers, and healthcare professionals, create opportunities for our talented global team, drive profitable growth, and – most importantly – improve healthcare outcomes for people around the world..."

"We believe that the New Consumer Health Company would be a global leader across attractive and growing consumer health categories, and a streamlined and targeted corporate structure would provide it with the agility and flexibility to grow its iconic portfolio of brands and innovate new products. We are committed to the success of each organization, as well as our company's more than 136,000 employees around the globe, who will remain the backbone of these businesses."

Source: globalcosmeticnews.com November 17, 2021

UK supermarket Morrisons invests in leading soft plastic recycling site

UK supermarket Morrisons has acquired a significant stake in a new recycling site in Fife, which will reprocess 'hard-to-recycle' soft plastics.

The purchase will make Morrisons the first UK supermarket to own its own recycling operations, which is co-owned by recycling plant specialists Yes Recycling.

The plant will turn hard-to-recycle flexible food packaging into plastic flakes, pellets and boards. According to a press release, at current capacity, the site will take 15,000 tonnes of flexible packaging a year.

The site is said to create around 60 new jobs.

Falling in line with the UK's 'green industrial revolution', the move will help the company recycle and reuse the equivalent amount of plastic it puts on to the market within its own recycling facilities by 2025.

Jamie Winter, Procurement Director at Morrisons, said, "Lots of work has been done by retailers to reduce plastic, but little to recycle what remains. We're taking on that challenge and making a significant investment in a state-of-the-art soft plastic recycling site. It'll take problematic plastics, recycle them here in the UK, and give them a new life. And by 2025 we want to increase our capability to be able to recycle and reuse the equivalent amount of plastic we put out on to the market within our own facilities."

Source: Globalcosmeticnews.com November 18,2021

The Estee Lauder companies names winners for inspiring women in science awards

The Estee Lauder Companies has announced the winners of the Nature Research Awards for Inspiring Women in Science: Kiana Aran, Associate Professor of Medical Diagnostics and Therapeutics at Keck Graduate Institute and The Parent in Science Movement.

Both receive prize money of US\$40,000 to spend on initiatives relating to their work, mentoring through The Estee Lauder Companies and other publicity opportunities.

"It sadly remains the case that women are often unappreciated for their contributions to science, so we are delighted to have the opportunity to be able to celebrate the trailblazers who are not only making a tangible difference in STEM across the world, but are also doing so much to demonstrate the importance of having diverse voices in science," said Mina Razzak, Editorial Director, Nature Reviews. "Kiana and The Parent in Science Movement are a credit to the strength and future of women in STEM. Kiana is a passionate mentor who has led by example through her work advancing discovery by making the most of transdisciplinary collaboration and breaking down silos between industry and academia. The Parent in Science Movement offered a unique perspective on addressing the pipeline of women in STEM and the barriers women in science face."

Lisa Napolione, Senior Vice President, Global Research & Development at The Estée Lauder Companies added, "This year's shortlist for the Nature Research Awards for Inspiring Women in Science was our most impressive yet. These researchers and advocates are truly pushing the boundaries of what science gets done, and who is doing that science. I am so proud of this year's winners. Kiana Aran's work in early disease detection has promise to meaningfully improve the lives of so many people, and The Parent in Science Movement, with their advocacy in changing policy, are making amazing strides in supporting women in STEM throughout their careers. On behalf of the Estée Lauder Companies, I want to congratulate each of our winners on their amazing accomplishment."

Source: globalcosmeticnews.com November 08, 2021

L'oréal awarded HRH the prince of wales' terra carta seal as recognition of sustainability work

L'Oréal has been awarded the Terra Carta 2021 Seal, which recognises global companies driving innovation and demonstrating their commitment to the creation of genuinely sustainable markets.



The Seal has been awarded to companies whose ambitions are aligned with those of the Terra Carta, a recovery plan for 'nature, people and planet,' launched in January 2021.

L'Oréal is one of 45 companies that has been awarded the Seal, with the company working towards aligning with the 1.5C goal and reducing its greenhouse gas emissions of all scopes by 50 percent per finished product (25 percent in absolute terms), by 2030.

As part of its L'Oréal for the Future sustainability program, it also aims to help restore one million hectares of degraded ecosystems by 2030, thanks to the L'Oréal Fund for Nature Regeneration – a 50 million euro impact investing fund.

The award is given to companies in a leadership position within their industries, and who have 'solid roadmaps underpinned by globally recognised, scientific metrics for achieving net zero by 2050 or earlier.'

His Royal Highness The Prince of Wales, said: "The Terra Carta Seal recognises those organisations which have made a serious commitment to a future that is much more sustainable, and puts Nature, People and the Planet at the heart of the economy. We all need to make changes if we are to preserve the planet for our children and grandchildren and these businesses have pledged to make it easier for us all to do so."

Source: [globalcosmeticnews.com](https://www.globalcosmeticnews.com) November 05, 2021

Beiersdorf Q3 2021: boom times are back, says Nivea maker as sales above pre-covid levels

Beiersdorf has reported its results for the third quarter and first nine months of financial 2021. The German manufacturer of Nivea saw 'strong sales improvement' with sales growth of 12 percent to €5.8 billion exceeding the pre-COVID levels of 2019.

The consumer business segment recorded organic sales growth of 10.4 percent in the first nine months of the year, driven by the strong performance of the company's dermatological brands, Eucerin and Aquaphor and the strong recovery of the La Prairie business.

Looking forward, Beiersdorf expects the resurgence of travel retail and demand for sun care products to boost sales further in 2022, according to a report published by Reuters, as it launches its Eucerin Sun line onto the US market.

Vincent Warnery, CEO of Beiersdorf, commented, "Approaching the end of 2021, we have made significant progress in implementing our strategic priorities as part of C.A.R.E.+ , which is also reflected by our strong nine months financial results. The digital transformation and the shift towards a climate-positive future in particular are increasingly relevant for our consumers – that's why we have worked intensively to further level up our initiatives in these areas."

Source: Global Cosmetic News November 02,2021

L'oréal wins Parite Du top 100 for gender balance

The French Ministry for Gender Equality, Diversity and Equal Opportunities has handed its Parite du Top 100 Special Award for the Feminization of Governing Bodies to L'Oréal.

The French beauty behemoth said that the award is the result of a long-standing voluntary policy to foster gender equality in the workplace at all levels of the company with 51 percent of the top 100 positions in the Group occupied by women.

Nicolas Hieronimus, Chief Executive Officer of L'Oréal, commented, "This award recognizes our profound commitment to ensuring gender equality. I am proud that L'Oréal has been recognised for its exemplary approach to this strategic issue. Winning this award goes to the heart of our commitment to create the beauty that moves the world; it commits us to maintaining this course and going beyond what the law requires of us."

Source: Global Cosmetic News November 01,2021

Lotus Herbals buys minority stake in Fixderma

Lotus Herbals has announced that it has acquired a 32 percent strategic stake in Fixderma India. Terms of the transaction were not disclosed.

The deal sees India's leading natural beauty company enter the dermatological beauty space for the first time.

"Lotus Herbals has a strong and successful history in the beauty industry and we are confident that the expertise and experience Lotus Herbals brings will ensure greater success for our brands," said Fixderma Chairman, Anurag Mehrotra.

Nitin Passi, Joint Managing Director, Lotus Herbals, reveals, "Over the past 27 years Lotus has always been an innovation leader in the beauty industry. We are delighted to partner with Fixderma as their brand philosophy, ethics and diversified range of world class dermatological products fit perfectly with the values and experimental blueprint of Lotus. With our strategic planning and marketing expertise, we aim at enhancing the global footprint for Fixderma and FCL and capture significant market share within the next five years as part of our long-term growth strategy."

Source: Global Cosmetic News November 01,2021

Estée Lauder Funds the International Space Station's Plastics Alternatives Challenge

Estée Lauder, the flagship brand of the The Estee Lauder Companies, has partnered with the International Space Station (ISS) to fund research into sustainable plastics alternatives. The beauty brand today announced its role as the exclusive partner of the ISS National Laboratory Sustainability Challenge: Beyond Plastics, an open challenge for US-based scientists to propose projects that leverage the space station to advance sustainability research for plastics alternatives.

In its role, ELC will support multiple awarded flight projects as an extension of their efforts to drive sustainable, innovative packaging for the brand and ultimately other industries.

This marks the first time a beauty brand has partnered on a R&D opportunity for innovators to propose concepts leveraging the ISS National Lab to advance sustainability research for plastics alternatives.

As part of the brand's commitment to support research that can help drive sustainable packaging innovation, Estée Lauder will provide funding for the awarded proposals.

The objective of the Sustainability Challenge is to use the unique ISS environment to develop, test, or mature products and processes that address at least one of the following goals:

- Reduce plastic waste introduction into the environment
- Seek alternative feedstocks and pathways for polymer production beyond petrochemicals
- Reduce virgin plastic manufacturing

"We are proud to be the exclusive partner of the ISS National Lab Sustainability Challenge, funding research for future-thinking plastics alternatives," said Stéphane de La Faverie, global brand president, Estée Lauder and Aerin, and group president, The Estée Lauder Companies. "As a global leader in the beauty industry, we are committed to furthering scientific research and innovation for more sustainable business practices. We are excited to be part of an initiative that could be truly transformative for our brand, our beloved consumers and the future of our planet."

Estée Lauder says its role as the exclusive partner reinforces its commitment to long-term science research for more sustainable practices. In addition to ingredient transparency, responsible sourcing, and energy and emissions efforts, sustainable packaging is a key part of Estée Lauder's sustainability strategy. The brand has implemented robust measures to drive the reduction of virgin and non-recyclable plastic and has committed by 2025 that 75-100% of Estée Lauder packaging will be recyclable, refillable, reusable, recycled or recoverable.

"We are excited to collaborate with Estée Lauder as we seek novel advancements through space-based research and development to mitigate plastic pollution on our planet," said Christine Kretz, vice president of programs and partnerships for the ISS National Lab. "We thank Estée Lauder for its enthusiastic support of the ISS National Lab Sustainability Challenge: Beyond Plastics, and we look forward to working alongside researchers as they propose science that will improve the environment of our beautiful planet."

The ISS National Lab Sustainability Challenge applicants must first submit a concept form to ideally address a whole-of-life design approach to production of virgin polymers through sustainable feedstocks or the biodegrading or upcycling of end-of-life of polymers. A subset of applicants with the most promising concepts will then be invited to submit a pre-recorded "pitch" video describing their concept in more detail. The projects will be evaluated by a panel of expert judges, and on March 19, 2022, a Sustainability Challenge event will be held at Kennedy Space Center Visitor Complex where the finalists' recorded presentations will be showcased and live streamed to a global audience.

Both Procter & Gamble and Colgate have been involved with ISS and NASA space projects this year.

Source: Happi.com October 28, 2021

Symrise enters joint venture with GroupeNeroli

Symrise has entered a joint venture with GroupeNeroli with the goal of sustainably expanding its capacity in naturals, increasing production of backward integrated ingredients, and creating new and greater capabilities in flowers and Mediterranean materials, company officials announced today.

As the majority stakeholder, Symrise will bring its expertise in sustainable ingredients like vanilla from Madagascar to the partnership. As an independent fragrance manufacturer in the region, GroupeNeroli will bring its more than 35 years of experience and realize its plans to diversify its activities in the cultivation and exploitation of perfume plants.

"Symrise has been purchasing sustainably backward integrated natural raw materials from Madagascar and beyond for many years," said Ricardo Omore, global senior vice president, fine fragrances, Symrise. "We are now able to expand our Naturals business considerably by working with GroupeNeroli. Going to Grasse, with its centuries of heritage and savoir-faire brings Symrise to the center of perfumery. We start this new venture by respecting the great tradition of craftsmanship, and we feel equally excited to bring genuine innovation and sustainable processes to the fore to honor the history of perfumery."

The partners have chosen the Grasse region as site for the new venture given the town's unique climate, plants and flowers, as well as its heritage in perfumery– and Symrise's longstanding roots in Grasse.

As part of the agreement, a fully-equipped factory in Grasse complete with research and development and ingredient development laboratories with local partners is being built. Symrise and GroupeNeroli aim to create the most technologically advanced and sustainable factory in the region. This center of expertise will produce its own natural ingredients in an environmentally friendly and socially conscious way.

The venture intends to establish long-term partnerships with local farmers and promote the richness of most emblematic flowers of the region – rose, jasmine, orange blossom and mimosa. What's more, the company will be working with proprietary materials grown in other parts of the world, including Madagascar, as well as outstanding ingredients sourced from specialist farmers and producers.

Symrise also commits to bettering the social conditions of these expert cultivators, which will result in 49 new natural ingredients, reinforcing Symrise as a key player in natural perfume ingredients.

"Our paths crossed with Symrise at the right time where the GroupeNeroli was projecting to develop and diversify our naturals activity," said Christian Dussoulier, CEO, GroupeNeroli. "Our creativity and agility as a dynamic human-scale organization will bring authenticity and spontaneity to the enterprise. Our partnership with Symrise relays a message of strength and vision to address sustainability in the future of the perfumery business."

Source: Happi.com Nov 02,2021

DuPont Nears Big Acquisition

DuPont de Nemours will make an acquisition that will revamp the chemicals company. According to analysts, DuPont will announce the acquisition of Rogers Corp., an electronics-materials specialist with a market value of nearly \$4 billion.

Observers expect DuPont to make an announcement during tomorrow's third quarter earnings call.

DuPont, which has a market value of around \$37 billion, has three divisions: electronics and industrials, mobility and materials, and water and protection. The electronics and industrials unit, which would be combined with Rogers, accounted for roughly one-third of the company's \$4.1 billion of net sales in the most recent quarter. The mobility and materials unit, which plans to consider options such as a sale or spinoff, also accounts for roughly one-third of the company's net sales.

DuPont Inc. was formed by the merger of Dow and DuPont in 2015. DowDuPont's materials-science business is now Dow Inc. and its agriculture operation is Corteva Inc. But the moves failed to generate growth and the company brought back Edward D. Breen who orchestrated the split six years ago.

To get the company growing again, earlier this year, DuPont closed a deal to combine its nutritional business with International Flavors&Fragrances. The move created a major ingredient supplier in the food ingredient business.

Source: Happi.com Nov 01,2021

Sephora China zooms in on homegrown brands

Sephora China included a C-beauty showroom at its recent Sephora Day event, part of a wider launch of more than 240 new beauty products aimed at Chinese shoppers, including newness from seven locally grown brands and the debut of five overseas labels.

Cha Ling, Wei, HerboristTaiChi and Inoherb Tang were among those participating in the launch event.

The LVMH-owned retailer unveiled a series of fall/winter global beauty trends too at its biennial Sephora Day: Radiant Skin, Landscape Hues, Fragrant Wonderland, Eyes of Blues, Sustainable Beauty and Dancing Hair.

The C-beauty showroom reveals the 'emerging power of premium local beauty brands', the LVMH-owned retailer said in a statement.

Source: Globalcosmticnews Oct 15, 2021

Febreze Adds Fabric Antimicrobial Spray for Household Care

Our homes are one of the most active areas of our lives, with people—and the bacteria that clings to us all—coming and going frequently. And while many people actively sanitize their hard surfaces and seek out products to do so, when was the last time you sanitized your soft surfaces?

A new survey from Procter & Gamble's Febreze reveals that although 73% of Americans say they sanitize hard surfaces like their toilet regularly, only about 1 in 4 admit they have never sanitized the soft surfaces in their homes, such as their sofa (23%), ottomans (28%), and rugs (24%)—surfaces that see just as much action.

The survey also shows that people are often overlooking their hard-to-clean soft surfaces not only because they're unaware of the bacteria that may be lurking within them, but because they haven't yet known how to properly sanitize them.

Source: Happi.com October 25, 2021

The Top 50 US Companies in Beauty, Home Care and Personal Care demonstrate resilience during a challenging year.

The world was a very scary place in March 2020. On a daily, sometimes hourly, basis we wondered aloud to any coworker who was still in the office, "how bad do you think it is going to get?"

Worse than we ever imagined, as it turns out. Yet, as the US begins to rise from the ashes of the pandemic, the signs of resilience are everywhere. This edition of The Top 50 is a testament to that resilience.

Every company on our list told a story about overcoming long odds and hard obstacles, but they didn't forget those hit hardest by the pandemic. Many companies on the following pages donated products and money to fight COVID-19. Several lucky Top 50 companies actually thrived during the pandemic, thanks to the surge in demand for cleaners, cleansers and disinfectants. For beauty companies that rely on traditional retail, the pandemic was a hard lesson in the importance of not relying on one single channel. But every company on our list found a way to pivot online, and ecommerce, as a percentage of sales, soared.

Several new companies populate our list. Born in the past decade or so, companies like Forma and Paula's Choice came of age when the internet was the logical way to go and grow a business. As the pandemic showed, consumers are very comfortable to buy before they try (see "Silver Linings From the Pandemic" on p. 12 in this issue). That should pave the way for even more entrepreneurs to climb their way up the ranks of The Top 50.

Newcomers aside, The Top 50 is top-heavy with returning companies. Procter & Gamble remains No. 1 on the list, just as it did when The Top 50 debuted in 1978. Despite a decline in sales, Estée Lauder remains in second place. Rounding out the top 10 are Colgate-Palmolive, SC Johnson, Johnson & Johnson, L Brands, Ecolab, Coty, Church & Dwight and Clorox.

If you think your company belongs in The Top 50, please contact us at tbranna@rodmanmedia.com. We will review your information and who knows? Perhaps your company will be counted among The Top 50. And if you're wondering where to find Unilever, L'Oréal and other multinationals with headquarters outside the US, read The International Top 30 in the August issue.

The Top 50

- 1. Procter & Gamble**
Cincinnati, OH • \$47.6 billion
- 2. Estée Lauder**
New York, NY • \$14.3 billion
- 3. Colgate-Palmolive**
New York, NY • \$13.6 billion
- 4. SC Johnson**
Racine, WI • \$10.5 billion
- 5. Johnson & Johnson**
New Brunswick, NJ • \$7.6 billion
- 6. L Brands**
Columbus, OH • \$7.2 billion
- 7. Ecolab**
St. Paul, MN • \$5.9 billion
- 8. Coty**
New York, NY • \$4.7 billion
- 9. Church & Dwight**
Ewing, NJ • \$3.7 billion
- 10. Clorox**
Oakland, CA • \$2.9 billion
- 11. Mary Kay**
Addison, TX • \$2.7 billion
- 12. Diversey**
Fort Mill, SC • \$2.6 billion
- 13. Amway**
Ada, MI • \$2.5 billion
- 14. Young Living**
Lehi, UT • \$2.2 billion
- 15. Revlon**
New York, NY • \$1.9 billion
- 16. Walgreens Boots Alliance**
Deerfield, IL • \$1.7 billion
- 17. Rodan+Fields**
San Francisco, CA • \$1.5 billion
- 19. Zep**
Atlanta, GA • \$942 million
- 20. Scentsy**
Meridan, ID • \$896 million
- 21. John Paul Mitchell Systems**
Beverly Hills, CA • \$875 million
- 22. Alcora**
Doral, FL • \$804 million
- 23. Melaleuca**
Idaho Falls, ID • \$800 million
- 24. Neora**
Dallas, TX • \$760 million
- 25. Senegence**
Foothill Ranch, CA • \$680 million
- 26. Newell**
Hoboken, NJ • \$642 million
- 27. Edgewell**
St. Louis, MO • \$630 million
- 28. PDC**
Stamford, CT • \$606 million
- 29. Markwins**
City of Industry, CA • \$507 million
- 30. Luminex**
Cincinnati, OH • \$500 million
- 31. Guthy-Renker**
El Segundo, CA • \$446 million
- 32. BeautyCounter**
Santa Monica, CA • \$438 million
- 33. WD-40**
San Diego, CA • \$408 million
- 34. Forma Brands**
San Francisco, CA • \$400 million
- 35. Gojo**
Akron, OH • \$390 million
- 36. Jafra**
Westlake Village, CA • \$386 million
- 37. Combe**
White Plains, NY • \$380 million
- 38. The Honest Company**
Los Angeles, CA • \$320 million
- 39. E.L.F. Beauty**
Oakland, CA • \$318 million
- 40. Olaplex**
Santa Barbara, CA • \$309 million

41. **L Catterton**

Greenwich, CT • \$299 million

42. **Prestige Brands**

Tarrytown, NY • \$240 million

43. **Tupperware**

Orlando, FL • \$233 million

44. **Paula's Choice**

Seattle, WA • \$220 million

45. **Luxury Brand Partners**

Miami, FL • \$210 million

46. **Spartan Chemical**

Maumee, OH • \$205 million

47. **Anastasia Beverly Hills**

Los Angeles, CA • \$200 million

48. **Hain Celestial**

Lake Success, NY • \$193 million

49. **Dr. Bronner's**

Vista, CA • \$190 million

50. **KKW Beauty**

Woodland Hills, CA • \$177 million

Source: Happi.com

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INDIAN NEWS

SanjivPuri's 'ITC Next' strategy to drive firm into commanding position in FMCG market

Powered by mega brands such as Aashirvaad, Sunfeast, Bingo!, Classmate, and Savlon, ITC is set to drive into a commanding position in what some analysts have estimated to be a Rs 5 lakh crore addressable FMCG industry market segment by 2035, with Chairman SanjivPuri putting in motion a carefully crafted 'ITC Next' strategy.

This re-crafted strategy, built around portfolio revitalisation, rapid platform-based innovation, aggressive digitisation, deeper synergies with other group businesses, structural leverages and a sharper focus on margins.

As an FMCG major, ITC is the only company that is dominant across a range of product categories from branded atta to biscuits; snacks to spices; noodles to dairy; chocolates to coffee; juices to frozen snacks and vegetables; deodorants to hand and body wash; sanitizers and masks to floor cleaners; and from notebooks to agarbatti, that none of the other Indian or multinational brands can claim to be present in.

Puri's 'ITC Next' strategy pivots around a multi-pronged approach to revitalize the company's current FMCG portfolio by fortifying and scaling up its proven megabrands, leveraging adjacencies through horizontal brand extensions, and nurturing new platforms with innovative products that will scale up to be leaders in their respective categories.

Mega brands and adjacencies

ITC has a plethora of megabrands such as Aashirvaad, Sunfeast, Bingo! and Classmate that already command leadership positions in the market.

The strategy of creating value added adjacencies could be best illustrated by the new Aashirvaad portfolio including Aashirvaad Nature's Super Foods range comprising ragi flour, multi-millet mix, gluten free flour, organic atta and pulses as well as chapatis, instant meals and the AashirvaadSvasti dairy range.

ITC is also fostering new platforms and strengthening its new brands including Fabelle chocolates, Sunbean coffee, B Natural juices, Nimyle home cleaners, Savlon hygiene products and so on. The overarching strategy for new platforms of innovative products is to first validate the concept and business model in select beachheads. Having gained a dominant market penetration, these new lines of products and brands will gain strength to occupy adjacent markets with different opportunities, building a larger brand with each new product, creating new and steady vectors of growth for the future.

ITC under Puri is unwavering in its resolve to build a formidable FMCG business. With innovation as the new lifeblood, the company today is one of the largest incubators of world-class Indian brands.

The Company's wide range of FMCG portfolio has demonstrable headroom to expand rapidly in the FMCG industry overall addressable market segment of Rs 5 lakh crore.

For instance, the total size of the packaged snacksmarket for the overall industry is set to vault 4.5 times from about Rs 32,000 crore to an estimated Rs 1.43 lakh crore by 2035. The market for overall spices industry is projected to grow from about Rs 22,000 crore currently to Rs 1.1 lakh crore in 15 years, a growth of five times. Similar industry growths are expected in other categories such as biscuits, branded atta, noodles, deodorants, personal care products and the cleaners categories.

Most of ITC's FMCG products occupy the first or the second positions in their respective categories giving them unique opportunity to corner most of these segment growths.

Aashirvaad, India's number one branded packaged atta, itself has a consumer spend of over Rs 6,000 crore.

Digital, consumer-centric and future-ready

Puri's strategy to make ITC future-ready manifests in his focus on driving the three megatrends emerging out of the pandemic – innovation, digitalisation and sustainability. The Company's R & D Centre, the ITC Life Sciences and Technology Centre (LSTC) in Bengaluru helped ITC to launch 120 differentiated products amid the pandemic to meet emerging preferences. To further support this goal, the company has set up 9 state-of-the-art integrated consumer goods manufacturing facilities (ICML) to create structural advantages.

Digitalisation is being accelerated pan-ITC through the use of new technologies such as Industry 4.0, Artificial Intelligence, Machine Learning, Big Data, Industrial Internet of Things (IoT), etc. These technologies are also being deployed across the entire supply chain spanning sourcing, manufacturing, trade engagements and e-commerce, including its own ordering platform the ITC e-store. The FMCG business has further driven enhanced competitiveness through a multi-channel distribution strategy which have been strengthened by customised apps.

Power of Synergies

The 'ITC Next' FMCG strategy has also been bolstered by synergies flowing in from the company's other businesses.

A good example of synergies is ITC's foods business deriving a significant competitive advantage from agribusiness's sourcing capabilities. The culinary expertise of ITC's Hotels business has also enabled ITC to craft differentiated food offerings.

Stronger growth, better margins

The robustness of Puri's strategy for FMCG is evident from the segment EBITDA (earnings before interest, taxes, depreciation and amortisation) increasing by 82 per cent this Q2 from Q2 FY 20, as outlined in ITC's second quarter financial results.

The FMCG businesses have been posting steady growth ahead of industry peers. During the last four years, ITC's revenue from FMCG increased from around Rs 10,500 crore to nearly Rs 15,000 crore.

ITC's FMCG business during 2020-21 grew 16 per cent versus the industry average of 8.5 per cent.

There has also been a steady improvement in profitability in the FMCG segment, with EBITDA margins having improved by more than 640 basis points between 2016-17 and 2020-21.

'ITC Next' strategy for other businesses

In August, at the company's annual general meeting, Puri unveiled the extensive 'ITC Next' strategy to architect the structural drivers that will power ITC's next horizon of growth and ensure that the enterprise remains future-oriented, consumer-centric and nimble.

ITC's other businesses too have pivoted to create new frontiers for the future, with enhanced competitiveness as well as sharper focus on cost management to strengthen leadership or rapidly attain the top positions in the case of newer segments.

Some of the key drivers of growth, as identified by Puri, for ITC's other businesses include an asset right strategy for Hotels powered by a repositioned WelcomHotel brand as well as newly launched brands such as The Storii and Mementos done with management contracts. Two management contracts have already been signed under the Mementos brand.

Similarly, in the Paperboards business, the company is concentrating on sustainable packaging and value-added paper, while in agribusiness, the emphasis is on Next Generation agriculture driven by the 'super app' ITC MAARS and value-added agriculture.

Special strategic thrust is also being provided to ITC Infotech, the wholly owned subsidiary which is on a strong growth and profitability trajectory over the last few years.

Source: <https://www.freepressjournal.in> November 18, 2021

India's surfactant players back sustainability; long-term outlook bullish

Author: Felicia Loo

Sustainability is at the forefront of concerns among surfactant companies in India, as the pandemic turns a corner in the country to some degree, and consumption is set to rise.

India's economy is growing, and demographic advantage makes the industry players confident of robust growth in demand in the long term. Plastic consumption is projected to spike in the developing world over the next 10 years, at a point where the focus on developing a more circular economy for the materials is becoming more intense.

The key end use for surfactants is in cleaners, disinfectants and personal wash products.

According to Galaxy Surfactants' Avinash Nandanwar, the role of surfactant players in India lies "in reducing plastics" and to use "less plastics in the supply chain", as well as to tap into "recycled plastics in the supply chain".

In their green efforts, Nandanwar said the company is also persuading customers to shift from taking small barrels or drums. He is the head of sourcing at Galaxy.

"Why not take supplies in bulk shipments [instead]?" Nandanwar suggested during a panel discussion at ICIS European & Asian Surfactants Conference last week.

India is targeting net-zero carbon emissions by 2070 under a five-point plan, which includes raising the country's non-fossil energy capacity to 500 Gigawatts (GW) by 2030 so that half its energy requirements would start coming from renewable sources.

"By 2070, India will achieve the target of net-zero emissions," Prime Minister Narendra Modi said at the United Nations Climate Change Conference of the Parties on 1 November.

The 26th COP (COP26) is being held in Glasgow, UK, from 31 October to 12 November.

Modi vowed to reduce the carbon intensity of India's economy to less than 45% and reduce its total projected carbon emissions by 1bn tonnes by 2030.

India is the last of the world's major carbon polluters to announce a net-zero target, which is set 10 years after China's 2060 target and 20 years after the 2050 target of both the US and EU.

The southern Asian nation relies on coal - a highly polluting fossil fuel - for about 70% of its power generation.

Its net zero emissions pledge is two decades beyond what scientists say is needed to avert catastrophic climate impacts.

India ranks third in greenhouse gas emissions after China and the US.

COP26 looks to building on agreements reached at previous conferences, including the Kyoto Protocol and Paris Agreement.

INDUSTRY FACES KEY CHALLENGES

Just like elsewhere in the world India's oleochemicals market is facing major supply-side and cost issues that will continue to affect the industry as it grapples with logistical challenges stemming from the COVID-19 pandemic.

Like the rest of the petrochemical chain, the surfactants industry is not immune to turbulent times dogged by record-high raw material prices, as well as plant maintenance of fatty alcohols in the last quarter of the year, Nandanwar said.

"The challenge from last year continues," said Nandanwar, referring to expensive freight costs, high Brent crude prices, and longer delivery period.

He added that such factors have "impacted feedstocks used in surfactants... it's a complicated situation".

China has also affected the supply value chain, according to Nandanwar.

"It's a tightrope to walk. We have to ensure our operations run sufficiently," he said.

Several feedstock fatty alcohol and ethylene oxide (EO) plants in China were shut or were running at reduced rates following the implementation of the dual control policy.

As such, Chinese spot interest for fatty alcohol imports increased recently to replace the shortfall in its domestic market.

The dual control policy places tighter limits on energy consumption and intensity in parts of China to enable the nation to reach a 'carbon peak' in 2030 and carbon neutral by 2060.

LONG-TERM OUTLOOK STRONG

Fatty alcohol ethoxylates (FAE) are used mainly in sodium lauryl ether sulfate (SLES), a surfactant found in many home and personal care products such as soaps, shampoos and detergents.

All things considered, the outlook on surfactants demand in India remains bright, supported by rapid urbanisation and a youthful populace, coupled with the fact that per capita consumption in the country is far below the developed world's level, thus holding a lot of promise of growth.

"Demographics [are] still on India's side and we will see that this pandemic has not actually hurt India, and India will bounce back and in fact the consumption story is still intact," remarked SadanandPalnitkar, associate vice president marketing of Godrej Industries.

He added that the advancement of e-commerce has helped fuel "lifestyle and aspiration" changes, with residents from outside the metropolitan cities moving to catch up on the latest fad such as new shampoos.

"The consumption story is strong. I'm bullish on India," Palnitkar said.

Insight article by Felicia Loo

Source: ICIS.com 03, November, 2021

Korean company Atomy to invest Rs. 250 cr to set up India manufacturing setup

Atomy Enterprise India, a subsidiary of Korean direct-selling brand Atomy, will invest approximately ₹250 crore in the Indian market by 2025 to set up over three manufacturing units in India to supply products to the world. This investment will come in the form of an FDI.

The company specialises in skincare products, health supplements and food. It will focus on the food category to grow its India manufacturing business, said Abraham Lee, chief executive officer, Atomy Enterprise India. This will also include the supplements category which he said is consumed more frequently and hence has better sales.

The company aims to become a direct selling platform that leverages e-commerce. Globally, its business model is such that it lets its members or sellers purchase its products from an online 'shopping mall', and not directly from another distributor.

"Right now, we have 80 different suppliers around the world because we have grown to become a \$1.7 billion company. But in India we are still young," he added. The company began operations in India in 2020.

The India arm's investment will primarily be deployed to set up its manufacturing facilities in the country where Atomy will be a majority stakeholder. Following this, the company will deploy funds for its next phase of research and development.

"When we invest in any country in a manufacturing plant, we tend to invest on a 50-50 basis with a local partner. This helps us control quality," said Lee. The company currently works with 14 lakh distributors in the country.

India is one of the top markets and number one across the globe when it comes to the demand for K-products and so the most important market for Korean manufacturers and brands, said another player.

SeoYoungdoo, CEO & founder, Korikart, an online retailer of all-things Korean in India said the country is one of the top countries across the globe when it comes to the demand for K-products and is a strategically important market for Korean manufacturers. While he didn't define the exact size of the market, he said that import and export between India and Korea had grown by 38% in the last one year alone.

"The K-wave has definitely put Korean culture in the spotlight. Indians aren't just aware of K-traditions, thanks to television serials but also about fashion, food, culture and traditions. K-pop and K-dramas have generated curiosity among the Indians and have been the reason for an uptick in sales of Korean products.

More recently the popularity of Squid Game has also fuelled the sales of K-products a great deal and contributed to the growth of everything Korean in India. Youngdoo's own brand has seen a spike in sales owing to the pandemic of 300% since March 2020 and is currently reporting over 40-50% month-on-month growth.

Atomy was founded in 2009 in Korea and started to establish its presence overseas with its branch offices in the USA in 2010, followed by Japan, Canada, Taiwan, Singapore, Cambodia, the Philippines, Malaysia, Mexico, and Thailand. The company's focus has been on 'global sourcing, global sales'. For instance, its avocado oil from Mexico is distributed through its channel to over 50 different countries.

According to Allied Market Research, the K-beauty products market size was valued at \$10.2 billion in 2019 in India. This is projected to reach \$13.9 billion by 2027, growing at a CAGR of 9.0% from 2021 to 2027. Asia-Pacific is one of the prominent regions in the market that solely accounted for approximately 70% of the total K-beauty market share in 2019.

Source: Livemint.com November 10, 2021

Hygiene products fall out of favour as Covid cases dip

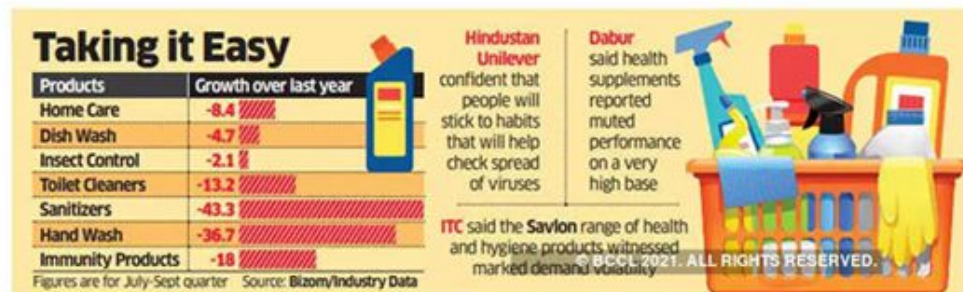
If you thought the pandemic has brought about long-term behaviour changes across the population, you could be wrong - several companies are either exiting some immunity enhancing, health and hygiene product segments, or scaling down production as sales have slumped.

Firms such as Dabur, Parle Products, and Emmai have already exited the hand sanitizer segment and Emmami is now withdrawing from the home hygiene segment with products such as disinfectant floor cleaners, surface sanitizers and dish washing gels after their sales dropped significantly in the quarter ended September amid low Covid-19 infections and increased vaccinations.

"Consumers are getting back to pre-Covid lifestyle, proving false all prediction made during Covid that these products will continue to well even when the pandemic moderates, said Mohan Goenka, Director, Emami.

Sales of immunity products including tulsi and turmeric tablets are getting back to pre-covid levels, while growth rate of Chawanprash has moderated, he said.

"Except chyawanprash, we have reduced production of all other products. For sanitizers, the business almost zero even from high growth channels like e-commerce.



Hindustan Unilever, the country's top fast-moving consumer goods (FMCG) maker, confirmed a decline in sales of hand sanitizers and hand-wash in the last quarter, but is confident the people will stick to habits that will help check the spread of the virus even after the pandemic.

Govt may check import of key sanitizer ingredient

India's Directorate of Trade Remedies has recommended the use of safeguards on a key ingredient used in making hand sanitizers and cosmetics for two years to check imports if they go beyond a specified level. Quantitative restriction has been proposed for the first time.

In its recommendations to the Government, Director General of Business Remedies (DGTR) noted that imports increased, which was undercutting domestic prices.

"The domestic industry has suffered serious injury, as established by a significant decline in its overall performance with respect to parameters such as market share, production, sales, capacity utilization and profitability, with a sharp decline in the recent period. has come." He said the increase was due to unforeseen circumstances.

Recognizing the rise was partly driven by the demand for hand sanitisers during covid The DGTR said that the proposed action on isopropyl alcohol by the government can be stopped in the event of the outbreak of the epidemic.

Source: BharatTimes.co.in October 18,2021

FMCG sales set for double-digit rise in Q2

Sales at large fast-moving consumer goods (FMCG) companies such as Hindustan Unilever (HUL, Nestle, Marico, Dabur, Godrej Consumer) is expected to have risen at double-digit pace in the September quarter due to recoveries in key segments like packaged foods and personal care as well as higher rural demand.

But profit margins are expected to shrink by as much as 100 basis points owing to spiralling commodity costs, said brokerages and rating companies ICICI Direct, Edelweiss Securities, HDFC Institutional Equities, Emkay Financial Services and Crisil. HUL, Marico, Dabur, ITC, Nestle and Tata Consumer will announce quarterly earnings in the next two weeks.

ICICI Direct forecast a double-digit increase in sales for HUL's home care, beauty and personal care and foods segments, thanks to the revival in the home care and personal care segments.

"However, HUL's operating margins are likely to see a 124 bps contraction in the second quarter," the brokerage firm wrote in a report. "We estimate 100 bps gross margins contraction with a steep increase in commodity costs."

Source: Economic Times October 19, 2021

Most sectors of economy to reach pre-pandemic levels soon: NCAER

With the Reserve Bank of India (RBI) projecting the Indian economy to grow at 9.5 per cent in 2021-22, most sectors seem to be on their way to reach the pre-pandemic level and then grow beyond those levels, the National Council for Applied Economic Research (NCAER) stated in its monthly review of the economy. It observed that the economic activity has continued to normalise with increase in vaccinations and decline in the incidence of Covid infections. However, the NCAER cautioned that rising inflation on account of the fiscal stimulus in some of the advanced economies such as the United States (US), supply chain bottlenecks, rising energy prices, an impending tightening of monetary policy in advanced economies and an exuberance in the capital markets may have implications for the Indian economy.

Source: CMIE Oct 28, 2021

L&T to invest up to Rs 5,000 crore to implement and adopt green energy

Larsen & Toubro Ltd (L&T) might be investing up to Rs 5,000 crore to implement and adopt green vitality into its manufacturing and building websites to achieve carbon and water neutrality targets by 2035-2040. We have now set out a path of implementing these ESG initiatives in some of our project sites and manufacturing locations. This could be anywhere between Rs 1,000 and Rs -5,000 crore of transitional investments we might have to do as a group to achieve 2035-2040 goals that we have set for ourselves," mentioned the corporate's chief monetary officer, Shankar Raman. The firm is within the technique of creating a sustainability roadmap for FY22 to FY26 aligned with its 'Lakshya 2026' targets. In phrases of discount of Co2 the corporate has set a goal to enhance the utilization of renewable energy by 50% by FY26 and 100% by 2035 in its operations.

Renewable power across campuses and sites will be increased by 50% by 2026 and essentially solar will be the main source of achieving this. In terms of reduction of Co2 the company has set a target to increase the usage of renewable power by 50 percent by FY26 and 100 percent by 2035 in its operations. The company is also planning to use some bio-fuels and evaluating setting up a green hydrogen plant in Hazira by the end of FY22. It aims to improve its energy efficiency by 2.5 percent per annum for Scope 1 (Phase-1) and two percent per annum for Scope 2 (Phase-2). The company is also adopting electric vehicles (EVs) on their campuses and looking to replace all its IC (Internal Combustion Engine) vehicles with EV vehicles.

Source: construction business today October 26, 2021

Siemens inks pact to acquire 26 pc equity in Sunsole Renewables

Siemens said it has inked an agreement for subscription of 26 per cent paid up equity share capital of Sunsole Renewables for Rs 1.6 crore.

In a regulatory filing the company said that in its continuing efforts to reduce carbon footprint and the impact on climate change, the company has decided to procure solar power for its manufacturing facility at Kalwa, in Maharashtra.

The company has executed a Power Purchase Agreement and on Friday entered into a Share Subscription and Shareholders Agreement for the subscription of 26 per cent of the paid up equity share capital of Sunsole Renewables Private Limited, subject to fulfilment of conditions precedent as agreed between the parties, the filing said.

As per the filing, the cost of acquisition or the price at which the shares are acquired, is Rs 16 million (Rs 1.6 crore in one or more tranches).

Pursuant to statutory requirements, in order to avail such power/electricity for captive usage, Siemens Limited is required to subscribe to at least 26 per cent of the paid-up equity share capital of Sunsole, it said.

Post-acquisition, Sunsole will be an Associate of Siemens Limited.

Sunsole was incorporated as a special purpose vehicle by Cleantech India OA Pte Ltd to undertake construction, operation and maintenance of a solar power plant and to supply, on a captive basis, the power generated from the said solar power plant.

Sunsole currently does not have any operations and corresponding turnover. It was incorporated on February 4, 2020 and has had no revenue since incorporation. Accordingly, disclosure of turnover for the last three years is not applicable, it stated.

The paid-up equity share capital of Sunsole is Rs 1 lakh.

Source: BusinessworldNovember 03, 2021

MANE KANCOR's new innovation centre inaugurated at Angamaly

Our highly **equipped and modern Innovation Centre at Angamaly** was inaugurated at a virtual ceremony by Mr. Jean Mane, President of MANE on the 16th of September 2021. Mr. GeemonKorah, Director, CEO at MANE KANCOR also addressed the employees during the virtual event.

The 24000 Sq.ft building is set in a vast stretch of land and is **one of the biggest buildings of MANE KANCOR's Angamaly Campus**. This state-of-the-art facility **integrates all the research activities and product development initiatives** in one comprehensive site with the support of expert analytical teams and top-of-the-line technologies. The research here focuses on innovations in natural shelf-life solutions, natural colour solutions, culinary taste solutions, personal care ingredients and nutraceutical products. To support the research and development activities the centre has dedicated areas for sophisticated analytical instruments and storage solutions for raw materials, solvents, control samples, utility, sample preparation and more.

The Innovation Centre also houses an **exclusive sensory evaluation room**, that is being supported by a well-trained panel from cross-functional teams, to help set the benchmark and uncompromising quality in every product.

Source: Company Press Release

SUSTAINABILITY

Europe wants sustainable palm oil, but won't pay for it

As Cop26 ends in Glasgow, a major onus should be on ensuring that all the fine words are put into actions that translate into genuine climate justice. It is also the special responsibility of wealthy nations not to take steps that may salve their consciences but could end up harming developing countries.

The first imperative can be summed up in two words: pay up. At the 2009 Copenhagen climate summit, rich countries pledged \$100 billion per year by 2020 to help poorer states adapt to and mitigate the effects of climate change. This target has not been met, and as far as Madagascar's Minister for the Environment and Sustainable Development, BaomiavotseVahinalaRaharinirina, is concerned, this is why her country – which the UN says is facing the first climate change famine – cannot fund a water pipeline to relieve the drought-hit southern part of the island.

"I was wondering during a negotiation session why it is so difficult for rich countries to pay this money," she said in an interview during Cop26. "It's not aid. It's accountability. People from the deep south of Madagascar are victims of something that they didn't do."

The second imperative is for joined-up thinking. Take the issue of deforestation, and the global deal to end and reverse it by 2030.

Indonesia's Environment Minister SitiNurbaya Bakar drew attention with her Facebook post, saying: "The massive development of President Jokowi's era must not stop in the name of carbon emissions or in the name of deforestation. Indonesia's natural wealth, including forests, must be managed for its use according to sustainable principles, besides being fair." This is a reasonable point for any developing country to make, but particularly one whose president, Joko Widodo (known as "Jokowi"), wants to build a new capital for his country on the island of Borneo. No matter how "green" the new city will be, its development is bound to lead to some deforestation.

But this is an issue that many in the EU see in black-and-white terms – to the extent that in 2018, it banned the use of palm oil for use in biofuels by 2030 over concerns that cultivating the crop was leading to deforestation. This is a very big issue for the more than 300 million people of Malaysia and Indonesia: between them they produce 85 per cent of the world's palm oil, which is used in a vast array of products from ice cream and sliced bread to toothpaste, lipstick, soap and, indeed, biofuels.

As Muhammed Magassy, an adviser to the UK-based think tank Centre for Sustainable Palm Oil Studies, wrote recently: "While smallholder farmers are responsible for significant percentages of palm oil production, they are overwhelmingly not responsible for catastrophic deforestation. The EU's decision to apply sanctions to palm oil will cause immense hardship to huge numbers of economically precarious people of colour and threatens to drive them back into poverty."

Even if done in the name of protecting rainforests and endangered orangutans, this is presumably not a consequence the EU was intending. And there are many in Malaysia and Indonesia who do not want to see their richly biodiverse jungles destroyed either. As long ago as 2004, the Roundtable on Sustainable Palm Oil (RSPO) was set up. With stakeholders ranging from palm oil companies, manufacturers and banks to environmental NGOs, the aim was "to develop and implement global standards for sustainable palm oil", or Certified Sustainable Palm Oil (CSPO). Within a few years, a major stumbling block became evident. Even though about 19 per cent of global palm oil is now CSPO, many manufacturers and retailers, including in Europe, are unwilling to pay the greater price for it. Only half of the CSPO-produced last year was sold as such – the rest had to be sold as uncertified. As Carl Bek-Nielsen, co-chair of the RSPO, told Bloomberg last week: "People have been screaming and shouting for sustainable palm oil, but as soon as it is available, they found all sorts of excuses and disappeared out that door."

Teresa Kok, Malaysia's then minister of primary industries, made a similar point in 2018. "We have produced higher quantities of CSPO but sadly the uptake from British and European entities is far less than previously promised. We find that there is a constant deferment of their commitment dates. As a result, producers, including smallholders, are questioning the overall rationality of CSPO."

As it is, palm oil is far more sustainable than sunflower or rapeseed oil, because the latter require several times more land to produce the same amount. Those two crops are grown in Europe. Would it be too cynical to suggest that the EU ban on palm oil – meaning their own oils would have to be used instead – is another instance of first-world protectionism being given a greenwash?

For, if Europeans are really worried about South-East Asian forests, they should incentivise palm oil producers to go sustainable by committing to buy or find a market for the certified products. Given the EU's capacity to set global standards – many companies around the world align with them simply so they do not risk being shut out – they wouldn't have to take sole responsibility, just perhaps the lead.

I asked Dr Hezri Adnan, executive director of the Malaysian Institute of Economic Research and author of *The Sustainability Shift*, about the current impasse. "RSPO outlines transnational private standards, and producers break their back to comply, but EU [and US] public regulations say something else," he told me. "I would say there is a degree of antagonism and hypocrisy there somewhere."

There is a simple way forward. As Mr Bek-Nielsen says: "If you want the world to produce sustainable timber, beef, chickens, cars or palm oil, you have to support that movement and be part of the change."

As they head home from Glasgow, that is a message I hope leaders from the Global North take with them. Climate justice means nothing without it.

Source: <https://www.thenationalnews.com> November 09, 2021

Pushing through pandemic challenges, Seventh Generation keeps its laser focus on sustainability

Last year, CPG companies were challenged on multiple fronts; from supply chain to human resources. But even in this environment, for brands like Seventh Generation, there was no room to compromise on commitments made to protect the planet.

During the COVID-19 pandemic, Seventh Generation was quickly forced to re-evaluate the way it worked to meet the huge surge in consumer demand for its products. The company, which is part of Unilever, worked with supply, manufacturing, shipping and retail partners to secure an additional 40% volume in product and packaging materials. Even as supply chains tightened globally, Seventh Generation stayed committed to its rigorous environmental sourcing criteria.

"We take a long view. We set out our goals that we aim to achieve in five- and 10-year increments. When we face a one-year challenge, we see that as a bump in the road," Ashley Orgain, global director of advocacy and sustainability at Seventh Generation, told Happi.

In September, the company published its 2020 Corporate Consciousness report, its annual update that provides a look at the company's commitment to sustainability and assessment of progress made toward its 2025 goals.

Since setting its 2020 products and packaging goals, Seventh Generation says nearly all (97%) of its product packaging, by volume, is reusable, recyclable or biodegradable, and nearly 100% of its products and packaging are made from bio-based or recycled content. In 2020, Seventh Generation partially met its goal of sourcing 100% certified sustainable agricultural products including palm oil, virgin wood pulp, coconut, soy, citrus and corn.

Further, Seventh Generation said it successfully reduced its facility electric emissions to zero in partnership with Burlington Electric, and its renewable energy initiatives.

2025 Goals

The company's 2025 goals include eliminating 75% of virgin plastic use in packaging and reducing total plastic use by 50%, with one-third of its innovation coming from plastic-free alternatives and systems that disrupt single-use solutions.

By 2025, Seventh Generation says is on track to have 100% of its materials and ingredients sustainable, bio-based or recycled.

Greenhouse gas emissions (GHG) is another key issue. Since 2019, Seventh Generation improved GHG emissions intensity. However, it knows that consumer-use remains a challenge.

In fact, 88% of its total GHG emissions in 2020 was associated with consumers' product use.

Seventh Generation's goal is "real zero," not net zero, Orgain said.

"Consumers are using dirty energy—we see it as our responsibility to address this," she said. "We are going after the root cause."

As such, Seventh Generation continues to advocate for and advance "greening the grid" so that the energy customers use to wash dishes or laundry comes from low emissions and renewable sources. In addition, Seventh Generation laundry products are formulated to work well in cold water, encouraging users to opt for cold wash cycles, it asserts.

This year, Seventh Generation says it will be laser focused on advancing two key pillars of work in its mission to protect the next seven generations: climate and plastics. The company's 2021 intention is to correct course on its GHG footprint and further reduce its plastic packaging waste.

Getting There Faster, Together

For Orgain, there are indicators that the company, and the industry in general, need to be moving more quickly around key issues.

"We understand the urgent need to move on climate. But we aren't moving fast enough," she said. "It is still incredibly hard to move our industry at the speed and pace we need."

According to Orgain, recent horrific weather events "signal that we need to be active on climate with more urgency," she said.

In addition, Orgain said the pandemic shone a light on a deeper issue.

"If there was anything we learned in the pandemic, it's that sustainability is moving away from an environmental lens to a social lens," she said.

As an example, she pointed to the plastics' life cycle; it isn't just about end of life, she said. Petroleum processing and refining brings about an incredible amount of emissions that impact marginalized communities.

In addition, Orgain called for industry alliances to help move the needle.

She said brands should be "linking arms" with their competitors to bring about systemic changes around climate. Orgain said the banding together around issues such as legislative reform that have happened in the industry, isn't happening around climate issues.

She cited Seventh Generation membership in BICEP—the Business for Innovative Climate and Energy Policy—as an example.

"Around that table there are companies like Mars, Levi's, Nike... We don't have P&G there. Or SC Johnson," she said. "We need cleaning products category competitors to join the policy conversation and shift to change the system."

Source: Christine Esposito, Managing Editor, HAPPI.com 10.27.21

DSM and Albéa partner to deliver safe and sustainable sun care solutions

Royal DSM, a global purpose-led science-based company, today announces its partnership with Albéa, the world's leading cosmetic packaging supplier, to bring sustainable packaging for its sun care formulation prototypes and achieve its vision of delivering a fully sustainable sun care offering to customers.

The move toward more sustainable beauty and personal care products is nothing new. But increasingly, consumers searching for planet-friendly options are expanding this scope to include packaging as well, looking at what's in the bottle and at the bottle itself to make informed and responsible choices. According to a recent study from Mintel, 83% of Malaysian adults would like to see more innovative sustainability ideas from big beauty brands, while over half of German adults believe that eco-friendly packaging for grooming and beauty products are plastic-free. In addition, rising consumer concern about packaging safety and ease of use is fuelling demand for contamination-free packaging that can help deliver peace of mind to consumers.

Given that the cosmetics industry produces more than 120 billion units of packaging annually, the opportunity to have a positive impact on the planet through progress in more sustainable packaging is tremendous.

Two companies, one commitment to a sustainable value chain

The partnership between DSM and Albéa is another key step in making personal care more sustainable and aligned with both companies' commitment to sustainable practices. Thanks to the partnership, DSM can provide customers with a complete sustainable solution in sun care. As a first step, DSM plans to move most of its sun care formulation prototypes into tubes, known to be the product form and packaging format that delivers the most significant sustainability impact as well as safety and hygiene benefits. In addition to protecting from microbial contamination, the tubes also deliver on cost of performance with minimum product loss (versus spray formulations, for example) and provide the use of use for consumers.

Albéa's tube used in DSM's formulation prototypes reflects the innovations to offer packaging solutions that are safe and have a lower environmental impact. The tube combines the 3Rs: recycled content, recyclable-ready and reduced weight. Albéa's tube is composed of the light eco-design looking SLIM cap combined with the downgauged web leveraging the unique Thin-Wall™ technology for a reduced weight solution. This recyclable-ready tube in the current recycling streams also incorporates a maximum level of Post-Consumer Recycled (PCR) content, the tube reaching 38% of PCR (62% excluding the cap) for a tube D35, 50ml thus participating to moving towards a circular economy.

Fully leveraging Albéa's broad capabilities, the partnership will also explore the wide variety of sustainable packaging materials solutions.

Bringing innovation to customers and to the market

DSM's commitment to advancing innovation in sustainable sun care is reflected in both its products and services. The company recently launched PARSOL® EHT, a highly efficient, eco-friendly UVB filter that embodies the vision for DSM's future-proof, eco-friendly portfolio. DSM also offers to the industry its free online formulation tool, DSM SUNSCREEN OPTIMIZER®, which now includes a feature that supports customers with real-time Eco-classification and ranking for formulations in development and on the market. It's paired with a color-coded Eco-classification (from A-G) that's consumer-friendly and easy to understand.

These strengths come together in the ready-to-go Featherlight Cream SPF 50 guide formulation, designed by DSM's formulators and featuring the new PARSOL® EHT UV filter. Combining fast absorption and a silky touch with high protection into the blue light range, this formulation also comes with an Eco-class A rating and is already available in the new responsible tube packaging from Albéa.

Every step matters to realize a sustainable future

"Both customers and consumers are looking for a commitment to sustainability throughout the value chain. To make our offering more sustainable, we need to work together and strive to introduce sustainable practices at every stage and in every area of our operations," says Gaëlle Bathany, Global Director Sustainability DSM Personal Care and Aroma Ingredients. "This requires shifting our mindset as well as taking many small but thoughtful steps in the right direction, such as formalizing our partnership with Albéa. They share our broader commitment to driving sustainable practices in this sector by developing tools and services that help customers minimize their environmental footprint."

Caroline Hughes, Head of Marketing, Albéa Tubes, comments: "We are rethinking packaging to make it circular, low-environmental impact, and safe. This step change requires collaboration across the value chain – as illustrated by this partnership between DSM and Albéa. The two leaders combine their expertise, mindset, innovation capabilities as well as social and environmental responsibility so that beauty & personal care brands can ultimately deliver on their own commitments to their stakeholders."

Source: Company Press Release

MarTech Asia Summit 2021: Four golden rules of sustainability with Raka Sinha, L'Oreal

At the second edition of MarTech Asia Summit 2021 organised by ETBrandEquity.com Raka Sinha, international director – marketing and digital, L'Oreal, spoke about marketing, technology, innovation and how one can use them to tackle the biggest challenge of the future.

The biggest challenge of our future was the health of our planet, our environment and our society. Sinha explained, "One of the real challenges we as marketers is that planet health and social impact is relatively low on the consumers priorities. When we spoke about this, consumers would say it was nice to have, but it was not something that they saw value –add in."

As per EY future consumer index, affordability remained the number one criterion for 32 percent of consumers. For 31 percent consumers, planet and social impact was their priority.

Brazil and India experienced a severe pandemic in the last two years. It made them realise planet health social impact and one's personal health were inextricably linked. "When we speak of planet and social impact, we must talk about the pressing local realities which may be different countrywise. In China and Europe for example, it could be air pollution and climate changes. In India it could be access to health and in Brazil it could be falling biodiversity."

Sinha shared the four golden rules of defining the scope of sustainability. "First, make sure you take holistic approach on sustainability, because all the initiatives and all the aspects of sustainability are highly interconnected. It means, are your suppliers and distribution chains playing their part? Second, have clear key performance indicators (KPIs) set objectives that are specific, measurable and within timeframe. Third, push for big, audacious goals, commit publicly, and then find ways to make it happen. Fourth, digital tech science is your greatest ally in this fight," explained Sinha.

Packaging in glass is not always better for it requires a lot more energy in the production as well as in the distribution. As per Sinha, there were some brands that promoted this confusion and compounded it.

Sinha concluded, "Collaborate with your competitors for we are all in this emergency together. This topic is not to be led by the sustainability committee in your organisation. It starts across the top management and then must go down to everybody in your organisation. It must be embedded in your daily business model to ensure your sustainability initiatives can have a positive and a durable impact."

Source: ETbrandequity.com November 18, 2021

REGULATORY UPDATES

Valisure petitions FDA to recall deodorants

Valisure has submitted a citizen petition to the Commissioner of Food and Drugs calling for tighter regulatory control of antiperspirant and deodorant body sprays as well as a recall of certain products alleged to contain benzene.

Valisure revealed that it has tested and detected high levels of benzene in specific batches of body spray products and accordingly is demanding that the Commissioner request a recall of identified lots, conduct an investigation into the manufacturing processes resulting in the presence of the carcinogen and provide information to the public on the same, among other actions.

The FDA currently recognizes the danger of benzene and, therefore, it shouldn't be used in the manufacture of any component of a drug or cosmetic product unless its use is 'unavoidable'. As several of the products tested by Valisure did not contain detectable levels of benzene, it cannot be deemed 'unavoidable'.

Source: globalcosmeticnews.com November 08,2021

China publishes regulations on cosmetics for kids

The Chinese National Medical Products Administration has published a new regulatory framework for cosmetics, oral and personal care products targeted at children, according to a report published by Market Screener. The new legislation will enter into force on January 1, 2022.

The framework defines children as those aged 12 or under and children's products as any products aimed specifically at this age group or those that are marketed as suitable for the entire family or for universal use.

Any product falling within the scope of the regulation must be labeled with a mark to be released by the NMPA and carry a warning that they should be used 'under adult supervision', effective May 2, 2022.

There is also a provision governing formulation, with the guiding principle that safety is a priority and formulas minimalistic.

The regulation is designed to safeguard children and protect consumers.

Source: Global Cosmetic News November 02,2021

FDA finds no asbestos in blind tests on talc-based beauty products

The FDA has announced the final results from its sampling assignment to test talc-containing cosmetic products for the presence of asbestos.

The agency tested 50 samples in the year-long experiment and none were found to contain asbestos.

A further sampling assignment will be conducted next year with 50 more talc-containing cosmetic products picked for blind testing.

Linda Katz, Director of the FDA's Office of Cosmetics and Colors, commented, "The FDA remains dedicated to keeping consumers safe from contaminated cosmetic products. As part of these continued efforts, the FDA's most recent survey to assess certain talc-containing cosmetic products for the presence of asbestos found that all 50 samples tested negative for detectable asbestos."

Asbestos is a known human carcinogen, and its health risks are well-documented. The FDA will continue its efforts to protect consumers by conducting further testing of talc-containing cosmetics products in order to assess the presence of asbestos. The results of the next survey will be released next year. As it has in the past, the FDA will take prompt action to inform the public and to work closely with companies to help remove any products from the market that are found to contain asbestos."

Source: Global Cosmetic News November 01,2021

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10th - 12th July 2022**



International Confrence On Soaps, Detergents & Cosmetics

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PACKAGING

Zara owner to charge for paper bags in Spanish stores in push for reuse

The owner of the fashion brand Zara, Inditex (ITX.MC), will start charging 10 euro cents (\$0.12) for paper bags from next week at all of its shops in Spain as part of a push for sustainability and packaging reuse, the company said on Friday.

The world's biggest fashion retailer will roll out the measure in more than 1,400 shops in its home country, which account for 14% of the company's sales, and will evaluate extending it to other markets in the future.

The bags will be charged in shops across all its brands, including Zara and Massimo Dutti.

The move follows the company's commitment to eliminate plastic throughout its operations. It replaced all plastic bags in its shops and online orders last year with recycled and recyclable paper bags.

"It's a further step ... We want to encourage customers to reuse bags," an Inditex spokesperson said.

It plans to invest all the proceeds from the paper bags in environmental projects run by local non-profits in Spain.

Spanish newspaper Expansion, which first reported the Inditex plan on Friday, said the company had recently made payment for paper bags a voluntary option in Germany.

Source: Reuters.com October 15,2021

Centre amends Legal Metrology (Packaged Commodities) Rules 2011

The central government has amended the Legal Metrology (Packaged Commodities) Rules 2011 making declaration of maximum retail price (MRP) in Indian currency inclusive of all taxes on pre packed commodities and date of manufacture mandatory. The amendments to come into effect from 1st April, 2022, said the Ministry of Consumer Affairs, Food and Public Distribution.

"To safeguard interest of consumers, the Department of Consumer Affairs under Ministry of Consumer Affairs, Food and Public Distribution has omitted the rule 5 of the Legal Metrology Department (Packaged Commodities) Rule 2011, defining the schedule II prescribing the pack sizes of various types of commodities, it said in a statement.

A new provision has been introduced to indicate the unit sale price on pre-packed commodities, which will allow easier comparison of the prices of commodities at the time of purchases, it said.

Source: ETRetail.com November 09, 2021

Environment and pollution control

People inhale up to 7,000 microplastic particles daily: Study

Studies have shown that people inhale up to 7,000 microplastic particles daily from clothing, toys, and furniture. The total is 100 times higher than expected, poses a potential health threat that could be on par with asbestos and tobacco, the Daily Mail reported.

The study, led by the Portsmouth Hospital Trust in the United Kingdom, used sensitive equipment to count small particles smaller than 10 microns in size. This is only one tenth the width of human hair. They found that bedding, carpets, stuffed animals, polyester and nylon made of synthetic materials could be the main contributors.

Professor Anoop Chauhan, a respiratory specialist at Portsmouth Hospitals Trust, reportedly said that the microplastics were dangerous because they did not break.

"The presence of these particles in the body can cause stress and metabolic changes, affect immunity and the ability to fight infections, affect fertility, and cause carcinogenicity," Chauhan said.

The survey was conducted at the home of a British reporter in Beckenham, southeast London. According to the report, up to 28 plastic particles per minute were detected in the child's bedroom, compared to 2 plastic particles per minute in the kitchen.

The team found that when children play with stuffed animals, families are more likely to inhale 2,000 to 7,000 microplastics each day.

"There are dangers in the work environment, such as asbestos, coal, cigarette smoke, or anything you inhale, and microplastics are a hidden danger in people's homes," says Chauhan.

"And this is the first study to highlight these levels of breathing in our daily lives."

He said that microplastics do not break down in the body and can cause inflammation and stress in cells.

"So far, most of our research has focused on pollutants outside the home, such as car emissions, but as this initiative proves, it is imperative that we focus on the dangers of the home." Chowhan added.

Very small microplastics less than 10 microns in size, such as those measured in a new study, can float in the air and are difficult to count.

Source: indianewsrepublic.com November 10, 2021

EPA releases first National Recycling strategy

On November 15, the Environmental Protection Agency (EPA) released the country's first National Recycling Strategy.

This is the first of what will be a series of strategies dedicated to building a more circular economy. According to the EPA, the strategy:

1. Identifies the actions needed to address the major recycling challenges facing the nation and to create a stronger, more resilient, and cost-effective municipal solid waste recycling system.
2. Outlines the Agency's approach to addressing the U.S. recycling system's biggest challenges, including reduced markets for materials, infrastructure that has not kept pace with a changing waste stream, and confusion about what materials can be recycled.
3. Is a step forward toward focusing on the climate impacts of materials and addressing improperly managed waste in overburdened communities.

The National Recycling Strategy is aligned with and supports implementation of the National Recycling Goal to increase the recycling rate to 50 percent by 2030. The National Recycling Strategy is organized by five strategic objectives to create a more resilient and cost-effective national recycling system:

- A. Improve Markets for Recycling Commodities.
- B. Increase Collection and Improve Materials Management Infrastructure.
- C. Reduce Contamination in the Recycled Materials Stream.
- D. Enhance Policies to Support Recycling.
- E. Standardize Measurement and Increase Data Collection.

To ensure the U.S. is making progress in advancing recycling, EPA will work collaboratively with stakeholders to develop a plan for implementing the National Recycling Strategy. EPA will ensure communities have a seat at the table and are involved in developing the implementation plan, as well as executing the actions in this strategy. EPA is also committing to develop a new goal to reduce the climate impacts from materials use and consumption that will complement existing national goals on recycling and the reduction of food loss and waste. EPA plans to collaborate across all levels of government, including Tribal Nations, and with public and private stakeholders to achieve these ambitious goals.

For more information, please contact Molly Blessing, Director, Sustainability, at mblessing@thehcpa.org

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ASSOCIATION NEWS

HCPA Submits Comments to EPA Regarding Amendments to National Aerosol Coatings Rule

On November 16, HCPA submitted comments to the EPA on the proposed amendments to the National Volatile Organic Compound Emission Standards for Aerosol Coatings (National Aerosol Coatings Rule).

While HCPA supports the rulemaking and the EPA's intent to align the National Aerosol Coatings Rule with the California Air Resources Board's (CARB) Regulation for Reducing the Ozone Formed from Aerosol Coating Product Emissions, we did make some recommendations for better harmonization.

For more information, please contact Nicholas Georges, Senior Vice President, Scientific & International Affairs, at ngeorges@thehcpa.org.

HCPA Attends Four Corners Air Quality Group 2021 Virtual Meeting

On November 15-16, HCPA attended the Four Corners Air Quality Group 2021 Virtual Meeting. The EPA and different state agencies provided updates on monitoring air quality trends for the four corners region, as well as climate change initiatives, ozone initiatives, and other air quality issues.

For more information, please contact Nicholas Georges at ngeorges@thehcpa.org.

HCPA Submits Comments to European Commissioner on CLP Public Consultation

On November 15, HCPA submitted comments to the European Commission through their online questionnaire regarding the public consultation on the revision of the Regulation on the Classification, Labelling, and Packaging of Chemical Substances and Mixtures (CLP).

Aligned with A.I.S.E., the International Association for Soaps, Detergents and Maintenance Products, HCPA urged the Commission to discuss potential new hazard classes and criteria through the UN GHS Sub-Committee rather than create their own, which could cause global discord.

HCPA also submitted a supplementary letter in support of A.I.S.E.'s position to provide consumers with essential information for the safe use of products on label, with additional information available on digital platforms.



Indian Home & Personal Care Industry Association

SOAPS • DETERGENTS • COSMETICS • AFFILIATED INDUSTRY

**YOUR
PARTNER
FOR
SUSTAINBLE
GROWTH**



YOUR NETWORK – YOUR VOICE



YOUR NETWORK – YOUR VOICE

The Indian Home & Personal Care Industry Association (IHPCIA) is a non-profit organization under Section 25 of the Companies Act 1956. The Association represents the **Home & Personal Care (HPC)** industry and provides a platform for National & International networking and interaction with regulatory bodies. The Association is committed to developing solutions for healthy living and quality lifestyle and aims to be the voice & network of the industry.

IHPCIA has a Board of Directors and following Committees:

1. Policy and Planning
2. Regulatory Reforms & Standard
3. Membership & Resource Mobilisation
4. Programs, Education & Communication

OUR OBJECTIVES

Represent the interests of the members from Home-care, Personal care and allied industries.

- To promote trade & commerce, science & technology, consumer awareness and education in the areas of Home-care and Personal-care.
- To represent and make known members point of view and interests of Home-care, Personal-care and allied industries before governmental and quasi governmental authorities, trade and industrial bodies, chambers of commerce, scientific bodies, educational institutes and other organizations.
- To create a platform to facilitate co-ordination, co-operation, exchange of views and ideas and sharing of knowledge amongst the Association members and similar International Associations.
- To act as the certifying and approval body for national and international testing procedures.
- To provide education, information and training to the members for improving health, hygiene and safety.
- To interact and network with national & international associations, organizations and bodies connected with Home & Personal Care Industries.

Members of the Association



Cavinkare Pvt. Ltd.



Godrej Industries Ltd.



Unilever Hindustan Unilever Ltd.



ITC Limited



RSPL Limited



Nirma Limited



Procter & Gamble



S.H. Kelkar



Milindia Ltd.



AARTI INDUSTRIES LIMITED

Aarti Industries Ltd. / Ived Group



Safechem INDUSTRIES

Safechem Industries



Galaxy Surfactants



BETTER PRODUCTS. CLEANER WORLD

Fena Pvt. Ltd.



Patanjali Ayurved Limited



PowerSquares



Indian Oil

Indian Oil Corporation



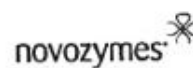
ECOF Industries Private Limited

ECOF Industries Ltd.



McNROE

McNROE Consumer Products Private Limited



Novozymes

Novozymes



emami

Emami Limited



Kumar Organic Products Limited

Kumar Organic Products Limited



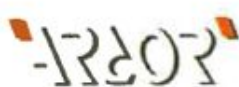
Sealed Air

Sealed Air



Reliance Industries Limited

Reliance Industries Ltd.



ARDOR

ARDOR International Ltd.



Aditya Finechem Limited



Ultramarine & Pigments Ltd.

Ultramarine & Pigments Ltd.

Affiliate Industry Associates



Tamilnadu Small Scale Soap & Detergent Manufacturers Association



Gujarat Small Scale Detergent Manufacturers Association



Fragrances & Flavours Association of India



Bengal Soap & Detergent Manufacturers' Welfare Association

Bengal Soap & Detergent Manufacturers' Welfare Association



Maharashtra Soaps, Detergent & Cosmetic Manufacturers Association



Ahilya Surfactants Manufacturing Association



Indian Society of Cosmetic Chemists



BECOME A MEMBER

Founder Member

Any corporation, partnership or other type of business entity which is engaged in the business of manufacturing, processing, packaging, marketing or servicing of Industry Products and is invited to be a member, is prima facie eligible for membership as a Founder Member subject to the payment of applicable founder membership fees. Founder member will enjoy all the privileges of Members and shall have the rights to vote at general meetings.

Life Member

Any corporation, partnership or other type of business entity which is engaged in the business of manufacturing, processing, packaging, marketing or servicing including providing support services, such as logistics, chemical analysis, raw material & packing materials, databasing, computing, financial, technical consulting or legal counsel, to the Industry, and is prima facie eligible for membership as a Life Member subject to the payment of applicable life membership fees. Life member will enjoy all the privileges of Members and shall have the rights to vote at general meetings.

Annual Member

Any corporation, partnership or other type of business entity which is engaged in the business of manufacturing, processing, packaging, marketing or servicing of Industry Products, is prima facie eligible for membership as an Annual Member subject to the payment of applicable annual membership fees. Annual Members will enjoy all the privileges of Members, and shall have the rights to vote at general meetings.

Affiliate Industry Association Member

Any Industry Association whose members are in the business of manufacturing, processing, packaging, marketing or servicing of home & personal care Industry Products and is invited and prima facie eligible for membership as an Affiliate Industry Association Member. The Affiliate Industry Association Member is not subject to membership fees and will not have rights to vote at general meetings. Membership of Affiliate Industry Association will be subject to Board of Directors approval.

Honorary Member

Any individual who has rendered distinguished service to the Association and is invited to be honorary member provided that the name of such distinguished service of the person made known in writing by the Secretary and membership will be subject to approval by the Board of Directors.

- Reached the age of 50 years
- Retired from the Industry and
- Held office in the Association or in the Industry for a period of at least 5 years or for such other period as may be specified by the Board of Directors.

Honorary Member will enjoy all the privileges of members, however, the membership is not subject to membership fees and Honorary Member will not have the rights to vote at general meetings.

International & Regional Associates

IHPCIA is the member of the **International Network of Cleaning Product Association (INCPA)** and **Regional Asia Oceania Soap and Detergents Association Committee (AOSDAC)**.

INCPA Members



AOSDAC Members



TSDMA
The Soap and Detergents
Manufacturers Association

ISDA
Indonesian Soap and
Detergents Association

MSDA
Malaysian Soap and
Detergents Association

The Membership Fees (as of 30th September, 2017)

STRUCTURE (IN INR)

(A)	Founder Member	5,00,000			
(B)	Life Member (By Invitation)	Large Industry	Medium Industry	Small Industry	Micro Industry
	Member (Manufacturing)	2,50,000	1,50,000	75,000	50,000
	Associate Member (Service Provider)	2,00,000	1,00,000	50,000	35,000
(C)	Annual Member	Large Industry	Medium Industry	Small Industry	Micro Industry
	Annual Member (manufacturing)	50,000	30,000	15,000	10,000
	Annual Member (service provider)	40,000	20,000	10,000	7,000
(D)	Affiliate Industry Association Member (by invitation)	Nil			
(E)	Honorary Member (by invitation)	Nil			

Admisitrative Fees as on 01-04-2018

	Category	Industry Type	Members	GST	*Total	Quarterly	GST	Total
			hip Fees	@18%	Membership Fees	Administrat	@18%	Quarterly
			Amount	Amount	Amount	Amount	Amount	Amount
			(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
FOUNDER MEMBER								
	Founder	All	500,000	90,000	590,000	25,000	4,500	29,500
LIFE MEMBER								
[A]	Member [manufacturing]	Large	250,000	45,000	295,000	20,000	3,600	23,600
	Member [manufacturing]	Medium	150,000	27,000	177,000	10,000	1,800	11,800
	Member [manufacturing]	Small	75,000	13,500	88,500	5,000	900	5,900
	Member [manufacturing]	Micro	50,000	9,000	59,000	2,500	450	2,950
[B]	Associate Members (service provider)	Large	200,000	36,000	590000	15,000	900	29,500
	Associate Members (service provider)	Medium	100,000	18,000	590000	7,500	900	29,500
	Associate Members (service provider)	Small	50,000	9,000	590,000	3,000	540	3,540
	Associate Members (service provider)	Micro	35,000	6,300	41,300	1500	270	1,770
*the above Membership Fee includes as on date applicable Tax, may change as per Government Policies								

Note:

- * All figures are in INR.
- * In addition to Membership fee, Administration fee is applicable for Founder members and Life members.
- * Membership fees and administration fees are non-refundable.
- * All the fees are subject to applicable taxes.
- * Large Industry: Annual turnover above INR 25 Crore.
- * Medium Industry: Annual turnover above INR 5 Crore upto 25 Crore.
- * Small Industry: Annual turnover above INR 25 Lakh upto INR 5 Crore.
- * Micro Industry: Annual turnover upto INR 25 Lakh.

**Registered Office**

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Secretariat

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