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PRIME TIME NEWS

“The next 50 (tech) unicorns are going to be technologies that create something related to sustainability.”

Larry Fink, BlackRock CEO



PRESIDENT'S MESSAGE

Updated Digital Database. New Look. Better Service

As we close out 2021 the industry cannot ignore the ongoing challenges with raw material supplies and the negative impacts on business. But as always, our members continue to cope as best they can. We wish all our members the very best wherever they are within the supply chain.

As for CPCA, our work continues on the never-ending churn of legislation and regulation for which Canada is well known. In the new year, there will be a seminal movement in that regard as the newly elected Government proceeds in amending the *Canadian Environmental Protection Act* (1999). The proposed amendments to CEPA were tabled in the Spring and expected to proceed via a Parliamentary Committee in the new year. There will be challenges. CPCA will need to be vigilant - and we will.

Key chemicals in commerce, including many for the CASE sector, have been undergoing extensive risk assessment over the past 15 years. The Federal Government has already budgeted \$500 million to continue that assessment over the next five years under the Chemicals Management Plan. The details prioritizing which chemicals will be assessed over the next five years is still ongoing. In addition, there is the ongoing re-evaluation of critical biocides used in coatings and it remains a concern. Amendments to VOC regulations are also on the new federal agenda for Architectural, Automotive, and Industrial as we move forward.

Over the past year, CPCA made updates to the Canada CoatingsHUB to improve the digital interface with members to better serve their needs. Part of that included the addition of a new and comprehensive biocides database for more than 1800 registered biocides used in the CASE industry. This data is for 'members only' and not to be shared with non-members as it is a 'proprietary' digital information platform specifically related to the needs of CPCA members.

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The Canada CoatingsHUB focuses on regulatory updates for relevant chemicals used by member companies, including proposed amendments to key regulations; and, all potentially impacting the status of those regulations in terms of member compliance. Specific feedback from members in the past year allowed CPCA to further refine the structure of the HUB using data visualization, improved icons, content blocks, and other tools to enhance the aesthetics, flow and curation of data posted for CPCA members' convenience. All member companies should ensure staff activates their Hub account in order to stay on top of the ongoing regulatory development impacting their company.

Changes also include updates to the Hub's dashboard related to compliance alerts, resources, menu structure, and placement within the platform interface. The most substantive of the changes is the addition of the NEW 'Biocides Substance Database.' It is a comprehensive database with over 1,800 different registrations added and sorted by CAS-RN and Registration number. The database details the status of approval for biocides used in Canada; it provides the status of all active product registrations related to these biocides; and more importantly, the status (Step) of the biocide evaluation within PMRA's regulatory review process.

Any changes to regulations for CASE chemicals have a significant impact on the Canadian coatings industry. As such it could directly impact product formulations, R&D and innovation, product stewardship, product performance, etc.

CPCA's main focus remains on ensuring those who are responsible for the various facets of regulatory decision-making related to chemicals in coatings base their decisions on scientific data, much of which is provided by CPCA members, who are mandated by Government to provide such data. This process has worked well for CPCA members in the past. The recent updates to CPCA's digital services for members will help us continue and improve the coatings industry's ability to respond and ensure compliance where required. The Canada CoatingsHUB ensures members have access to the data they need to make informed decisions for their company's regulatory compliance requirements.

The CPCA Board and staff wish all members good health and happiness during the Christmas season and, of course, a better year ahead!



*For industry insights, articles, and updates
on current issues follow or connect with me on LinkedIn!*



Gary LeRoux, President & CEO, CPCA

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ICA North America Celebrated 50 Years in 2021

Celebrating **the last 50 years of the ICA Group** (1971-2021) provided ICA the opportunity to relive challenges and recognize the importance of teamwork, passion, sacrifice, and perseverance. ICA's extraordinary journey is being shared with colleagues, customers, suppliers, and partners the company recounted in a video as a way to thank everyone and ~~to~~ celebrate what the company is today. ICA Group says it wants the world to know that it has with the wind in its sails and eyes fixed on the horizon.

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WELCOME NEW MEMBERS!

MIRAPAKON

Mirapakon, is a subsidiary of Groupe SiliCycle, which manufactures and markets environmentally friendly coatings based on siloxanes (*silica*), with strong properties of adhesion to surfaces and their hydrophobic nature, sought by many industries. Mirapakon's mission is to design and market specialized coatings that add value for the customer and is respectful of the environment. It is a truly sustainable development approach. The company's vision is to become a leader in competitive functionalized coatings with little or no environmental impact. Mirapakon's activities have led to numerous patents for products used multiple applications in several markets. Mirapakon's technology stems from nearly 15 years of research and development, which included initial research conducted by the State University of New York and 3 other centres in Europe and England since 2003. This has resulted in 4 patents on coating composition. The products developed by Mirapakon™ include functionalized xerogels, which is a silica membrane, similar to glass and known for its smooth and resistant unbreakable structure. It is chemically grafted onto a surface instead of settling as is the case with paints. Mr. Hugo St-Laurent cofounded Group SiliCycle in 1995 and is currently the President of the Group with more than 30 years of experience in R&D, manufacturing, global sales, finance, HR, and strategic management. Luc Fournier, Executive Director of Mirapakon, has more than 25 years of experience in chemistry, biopharmaceuticals, sustainable economic development along with a specialization in the general management of companies and research centers. Mirapakon is headquartered on Technological Park Blvd in Quebec City.



Luc Fournier,
Executive Director/Directeur général



ADVOCACY REPORT

CPCA Advocacy Efforts Supporting a Stronger Canadian Coatings Industry

- Members Alerted to the Proposed Ban on Coal Tar-based Sealants in Canada
- Final Publication of Third VOC Regulations for Certain Products Expected Soon
- PMRA to Begin Re-evaluation of Widely Used MIT, CMIT and Bronopol via a Cluster Analysis
- Members Alerted to Canada's Proposal to List LC-PFCAs, Their Salts and Related Compounds to the Stockholm Convention on Persistent Organic Pollutants
- ARMA to Expand List of Coatings for Recycling in Alberta

NOTE: Members requiring further information on any items included in this newsletter can search them on the CoatingsHUB or contact CPCA directly.

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Canada Proposed Ban on All Coal Tar-based Sealants in Canada

The Risk Management Approach, Final Screening Assessment Report (FSAR), and proposal to add coal tars to the Schedule 1 toxic substances list were published last June. Coal tars and their distillates were found toxic to both human health and the environment. The proposed risk management action is a regulation to prohibit the manufacture and import of all coal tar-based sealants in Canada. This goes beyond North American trends targeting the use restrictions of pavement/roofing coal tar-based sealants only. At a recent Paint and Coatings Working Group meeting, Government officials reiterated concerns about the potential use of coal tar enamel used in pipeline coatings and other small volume uses of coal tars such as for the protection of metal. ECC/Health Canada recently published a consultation document outlining key elements that will help develop the proposed regulations.

Final Publication of Third VOC Regulations for Certain Products Expected Soon in the Canada Gazette, Part II

All members should expect new regulations under the Third VOC Regulation for Certain Products after several years of regulatory development. These new regulations will impact CPCA members selling consumer adhesives and sealants, thinners and reducers, multipurpose solvents, and cleaning agents in Canada. A 2-year sell-through has been proposed.

PMRA to Begin Re-evaluation of MIT, CMIT, and Bronopol via a Cluster Analysis

CPCA recently reminded members that, according to the PMRA's 2021-2026 timeframe, three common paint biocides are slated for a re-evaluation assessment beginning in 2022.

Canada's Proposal to List LC-PFCAs the Stockholm Convention

For the first time in its history as a Stockholm Convention signatory country, Canada recently filed a nomination for Long-chain (c9-C21) PFCAs, their salts and related compounds to be considered POPs. The industry should note that these substances can be used in surfactant applications and in the production of fluoropolymers. Meanwhile, long-chain PFCAs, their salts, and related compounds may also be unintentionally produced during the manufacturing of other PFAS, and can be present as impurities. Canada's listing targets would include food contact materials, cleaning agents, and building materials.

ARMA to Expand List of Coatings for Recycling

ARMA is committed to further collaboration with CPCA on a new list of coatings products for recycling under existing legislation in Alberta. Paint and coatings will not be included under Alberta's plan to move to an EPR approach for recycling, which is good news for the paint industry in Alberta. It is Alberta's intention to move forward to establish a delegated Agency based on the Ontario model for some products, which most in the industry have not supported to date due to the increasing costs, red tape, and lack of transparency and accountability. Further, paint regulation in Ontario increased regulatory fees for the industry by more than 400% and Alberta may wish to reconsider how further changes will drive up consumer costs for Ontario voters. It would be well advised for Alberta to consider instead an approach that focuses on better environmental outcomes over more administration and inflated costs for Alberta residents.

More details on these and other industry issues are available for members on the Canada CoatingsHUB or can be found in the Regulatory RADAR.



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will soon be available. Complete with
market updates, the latest on industry
issues, and more...*

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CPCA IN THE NEWS

CPCA CEO LinkedIn Post

If you own and operate a coatings manufacturing facility in Canada or perhaps you are shipping products to Canada, you know regulations in the chemical industry can be challenging. With thousands of regulations at the federal and provincial levels of government in Canada, every aspect of a business in the chemical sector is regulated. Regulations are here to stay. You can ensure they remain fair and reasonable when based on evidenced-based, scientific data. Get up to speed and stay ahead of regulations by being at the table as they evolve. As one of Canada's oldest trade associations, CPCA remains a reliable bridge between industry and government. Our team of regulatory and chemical experts understands how government policy and industry are intricately connected. As an organization, we focus on delivering trusted advocacy and real results. CPCA is among the first, if not the first, **to deliver regulatory affairs and issue tracking on a comprehensive digital platform.**

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ArbresCanadaCANADIAN PAINT ASSOCIATION
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CREATING CLEANER AIR **ONE TREE AT A TIME!**

CPCA is a proud supporter of Tree Canada, providing annual donations on behalf of CPCA members, which contributes to reforestation efforts across Canada and helps reduce CO₂ in the air we all breathe.

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GREEN INITIATIVES

Coatings have numerous applications for countless substrates. What's remarkable about the environmental advances is that they are engineered to perform well under varied conditions and provide advanced performance characteristics to the finished product. This means protection from degradation such as corrosion, abrasion, high or low temperatures, chemicals, and ultraviolet rays, moisture, and microbes. All of these applications enhance product stewardship and sustainability.

BASF to Accelerate Implementation of Its CO₂ Reduction Targets To Invest €4.5 Billion in Battery Materials and Recycling

With its new project organization “**Net Zero Accelerator**”, BASF is bundling and accelerating its extensive cross-company activities to reduce its CO₂ emissions by 25 percent by 2030 compared with 2018 and become climate neutral by 2050. Given the big transformation shift toward electromobility in the automotive industry, **BASF** is proud of the impactful innovations developed by its teams in the mobile emissions catalysts, automotive catalysts recycling and associated precious metal services businesses. BASF will establish a new entity in New Jersey, named Automotive Catalysts and Recycling, for standalone mobile emissions catalysts and associated precious metal services.

CPCA Member GIT Selected to Supply Low-Friction, Biocide-Free Marine Coatings for KOTUG Canada Vessels

The provision of a new revolutionary vessel hull coating that was developed by Graphite Innovation & Technologies (GIY) will assist **KOTUG Canada** vessels to reduce underwater radiated noise and greenhouse gases.

Dow to Introduce Solvent-free Silicone Release Coatings

Dow announced the introduction of a solvent-free, fast-curing, and energy-efficient alternative to minimize misting at both low and very high product label production line speeds. Mist is an aerosol or ‘fog’ made of silicone droplets that form at the rolls coating head in high-speed release liner operations to form adhesive labels. This causes runnability issues in the curing oven, which leads to more frequent downtimes and higher maintenance costs.

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Chemical Week has recognized **BASF with the 2021 Best Sustainable Product** for its versatile Glucopon® Alkylpolyglucoside (APG) surfactants made from 100% natural, renewable, plant-derived feedstock but also sulfate-free, readily biodegradable, and with an excellent ecotoxicological profile.

Sustainable Sausage Packaging for Adhesives and Sealants in the Construction Industry

Though the construction industry has been slow to adopt the use of adhesives and sealants packaged in sausages, **advantages for sustainability and efficiency abound**. The foil film used in sausage manufacturing is much thinner (by 76%) than the extruded single-use plastic required to make tubes and cartridges, even while remaining tough and substantial enough to resist puncture and tearing.

CPCA and its membership are Proud Sponsors of Tree Canada and participate in the National Greening Program.

treecanada.ca



MEMBER **RECOGNITION**

Darrin Noble Becomes President and COO of Cloverdale Paint on January 1, 2022

Darrin Noble will succeed **Larry Lozinski** who retires at year's end. All CPCA members extend congratulatory wishes to both Darrin and Larry for their long-time commitment to the paint and coatings industry in Canada.

CPCA Member GIT Recognized as Top 50 Clean Technology Company

Graphite Innovation and Technologies (GIT) is among 50 leading Canadian clean technology startup companies selected as recipients at the Foresight50 awards ceremony. The 50 companies come from across Canada and a variety of sectors including watertech, carbon solutions, hydrogen, and renewable energy.

CPCA Member Sansin Corporation Wins Two Prestigious 2021 British Woodworking Federation Awards for the James Latham Finish Line Cladding Collection

This year marks the **13th anniversary of the annual Awards** which celebrate outstanding achievement, skills, and talent from across the woodworking and joinery sector. The Sansin Corporation exclusive Finish Line Collection is the result of an exclusive partnership between James Latham, Accoya Timber, timber engineering company Dresser Mouldings and Sansin.

PPG, Axalta and Sherwin-Williams Named Among America's Most Responsible Companies by Newsweek

Three CPCA members are included in the Newsweek list recognizing the 399 most responsible companies in the United States. **Axalta** was also named one of America's Most Responsible Companies 2022 by Newsweek.

AkzoNobel and McLaren Marking 10 Year Partnership

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MCLaren winning a BBC poll earlier this year for best-looking car. Both companies consider it has been an “exciting decade steered by a shared passion for pushing boundaries and levels of performance.

2020 American Coatings Association Safety Awards – Deadline to Submit December 31

ACA is now accepting 2020 safety data for its ACA Safety Awards program. ACA members can participate by signing in into their account and provide data for consideration by the deadline. Behr, Benjamin Moore and Axalta were among the safety award winners in 2019.

BASF Among 2021 Supplier Award Recipients of Henkel Adhesive Technologies

With these annual recognitions, Henkel honours the close and successful collaboration across its value chains. BASF SE received the award in the category of Sustainability.

Read CPCA's Economic Impact Study which provides an overview of the real contributions made by the Canadian Paint and Coatings Industry to the Canadian economy.



CANADIAN ECONOMY

Conference Board of Canada Economic Quick Take

The Bank continues to expect CPI inflation to remain high in the first half of 2022 but ease closer to 2.0 percent in the second half of the year. Supply chain disruptions continue to hamper Canada's economic recovery. The latest GDP data show that output is still roughly 1.5 percent below its level at the end of 2019, while total employment is now 1.0 percent above its pre-pandemic level. The Omicron variant is making its impact on economic recovery even, which is more complicated to forecast in the near term. Although there may not be widespread lockdowns, it could disrupt global supply chains even further and push inflation higher, hence hurting consumer and business confidence.

Manufacturing Expected to Improve Slowly

The performance of the Canadian manufacturing sector has been rocky in recent months due to the pandemic. A shortage of semiconductors has been a major contributor to its difficulties, which included a 1.7 percent decline in September. As automotive and aircraft parts production picks up, the manufacturing sector should begin to contribute positively to economic activity again.

Supply Disruptions Leading to Continued Inflation

Canadian monetary policy-makers will be closely watching inflation expectations and labour costs so they don't cause a spiral of price increases. The Bank of Canada left the rate at 0.25 percent and reiterated that it didn't foresee any increases in the trendsetting rate until at least April 2022, not until the 2.0 percent inflation target is sustainably achieved.

Can Households Sustain Canada's Economic Recovery?

Canadian household debt is on average much higher than the U.S, which will prompt the Bank of Canada to think twice before raising rates too soon. Besides, Canadian real estate demand and

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prices have remained stubbornly high. Despite close to \$300 billion in excess savings accumulated by Canadians during the pandemic (more than 10 percent of Canada's GDP), the overall debt also increased because of higher mortgage debt. With inflation rising and reducing purchasing powers, consumers appear cautious but the accumulated household savings and the good performance of the real estate and stock markets will continue to gradually support household demand growth in the coming months of 2022.

Environmental Justice (EJ): What it Means for Companies and How to Prepare

EJ is not only emerging as a standard compliance consideration — along with air, water, and waste — it is increasingly a **key metric factoring into corporate performance** as well. Even in jurisdictions that do not have formal regulations, how a company manages EJ issues, will become an important component of overall business operations.

CPCA's Monthly Report covers recent global mergers and acquisitions and various commercial agreements within the CASE industry and multiple sectors. Members are encouraged to access the Report on the Canada CoatingsHUB.



[Read the Monthly Report](#)

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- R&D and Sustainable Development
- Regulations and Sustainability
- Smart Coatings Innovation



TECH INNOVATIONS

New Lignin based Material to Replace Fossil Plastics and Adhesives

Swedish Researchers have developed a **resource-efficient method** to produce new lignin-based materials that can be thermally reprocessed and used to substitute thermosetting resins and adhesives. Thermosetting resins offer robust performance but unfortunately, these synthetic plastics cannot be readily recycled. Lignin, as the renewable raw materials in a catalyst-free reaction with a non-toxic chemical derived from ethylene glycol, can be reused several times. Fifty percent of lignin by weight is an excellent adhesive for several types of soft and hard materials.

New Range of Chlorine-free Heat Sealable Coatings Introduced in Europe

Industry is seeking to eliminate **polyvinyl chloride from their packaging** due to concerns about its impact on the recyclability of packs. A new range of coatings reportedly includes chlorine-free

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solvent-based formulations that are sealable against soft and hard aluminium, as well as polyolefin and PET films, and includes a portfolio of paper packaging structures that are fully recyclable in post-consumer recycling processes.

New Biodegradable Film Produced from Cocoa Shell Nanofibrils

A new study aims at **the future application of cocoa shell nanofibers** in the production of edible films, coatings, and packaging materials.

Self-healing Coatings Based on Poly(urea-formaldehyde) Microcapsules

A recent study portrays the situ polymerisation, the properties and the application of **a self-healing coating based on poly(urea-formaldehyde) microcapsules** that allow to repair microcracks. Epoxy loaded microcapsules with a poly(urea-formaldehyde) shell were obtained as colorless free-flowing powder with an encapsulation efficiency of up to 75 percent.

New Technique Uncovers the History of a Painting through the Paint Used

By analyzing white lead paint in **Dutch paintings from the 1600s**, including works by Rembrandt and Rubens, scientists were able to devise a new line of evidence for dating and authenticating paintings.

Using ZnO and TiO2 to Improve the Superhydrophobicity of Coatings

Zinc and titanium oxide-based technologies are employed in a variety of sectors, ranging from current electronics and photonics equipment that function under a variety of circumstances to make bioanalytical gadgets and biosensors. Special consideration is given to the use of zinc and titanium oxides in hydrogen power distribution systems. New research discusses new approaches to increase the **superhydrophobicity of coatings based on ZnO2 and TiO2**.

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INTERNATIONAL NEWS

Market Research Reports

Now available on the **Canada CoatingsHUB for Members Only**

Other CPCA Statistics and Research for Members on the Canada CoatingsHUB

CPCA Monthly Reports on M&A and Distribution Agreements

Each month CPCA updates recent **M&A activity as well as various commercial agreements by members** and others in the industry of interest to all members. The current list for October 2021 is available on the Canada CoatingsHUB (For Members Only)

CPCA has compiled international market research reports for 2025-2029 for multiple market segments.

View the Reports



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