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“ The next 5 years will be more disruptive than the last 15. This is NOT business as usual. A lot of technology that came in three years ago doesn't work anymore. ”

Saul Berman, IBM

PRESIDENT'S MESSAGE



November 2023

The non-stop avalanche of new regulatory requirements in Canada makes it hard to sort and prioritize compliance activities in many chemical industries. This is especially true in the CASE industry, which is among the most heavily impacted chemical sector in the country. Seven years ago CPCA took significant actions to ensure its members could keep abreast of the many changing regulations in so many areas such as Chemicals Management Plan (CMP). The sector was impacted significantly with more than 1,500 substances of the 4,300 identified, were chemicals used in the CASE industry in Canada and assessed under CMP. The 4th Phase of the Chemicals Management Plan was recently revealed with a mandatory survey of nearly a thousand chemicals planned to be assessed in the next five years. It is not yet clear how the recent amendments to CEPA will change the way these are assessed.

More stringent regulations have already been introduced for biocides used for paint preservation and new approaches suggested to apply stiffer requirements for risk assessment of the few remaining critical ingredients for CASE products in this country. Thousands of PFAS compounds are being risk assessed for possible risk management with serious concerns already raised by CPCA on how these recent decisions were made or seemingly made without the usual rigor applied for risk assessment in Canada. Instead,

establish new, lower VOC limits in three substantial categories in 2024: Industrial, Commercial Adhesives and Sealants as well as Architectural and Industrial Maintenance and Automotive Refinish paint. CPCA raised serious industry concerns re: functionality if these new limits for products are introduced as now proposed by the federal Government.

CPCA's challenge is to ensure members are fully engaged and also to alert non-members of the need to provide feedback on the impacts for better regulatory outcomes in these critical areas. For fair and realistic regulatory outcomes in these areas a **'whole of industry'** approach is required and that only works with focused and sustained advocacy. **There is strength in numbers!** The industry must act decisively now more than ever as it is increasingly difficult to alter product formulations and still provide the functionality required by customers for a wide array of uses.

In 2018, CPCA established a comprehensive digital database, the Canada CoatingsHUB, to effectively deal with current and emerging regulatory issues impacting the CASE industry. That digital platform is now being updated to enhance the user experience and many functionalities to ensure members have what they need to make informed compliance decisions at every step of the regulatory review process. The improved Canada CoatingsHUB will be launched in Q1 2024 for members.

Being part of a strong industry stakeholder group conveys both the importance of getting regulations right at each stage in the process while keeping an eye on more sustainably sourced materials for improved formulations over the long term. CPCA members have made strong commitments to moving toward net zero over time. However, time is often the difference between success and failure for both Government initiatives and industry compliance and resilience.

The CoatingsHUB is a key part of CPCA's advocacy effort. Now with more than 600 users, the CASE industry can now access 2,500 industry resources on 16 key issue categories representing 2,947 CMP chemicals used in literally thousands of CASE products. These are all closely tracked as to the status of existing requirements and the evolving regulatory changes. The Hub provides:

- A personalized regulatory dashboard.
- Industry resources covering 16 critical issue categories.
- Real-time tracking of CASE chemicals in commerce by CAS-RN.
- Compliance alerts ensure deadlines are never missed on existing and pending regulations and government-mandated calls for industry data.
- Up-to-date regulatory information such as formal position papers, aggregated industry submissions, member bulletins, compliance alerts, formal consultation letters, etc.

A recent CPCA survey revealed that 77%, at least 8 out of 10 HUB users, are fully satisfied with their digital database experience.

The CASE industry is already very focused on sourcing more sustainably sourced substances for manufactured products and reducing its carbon footprint. It also operates in full compliance with all existing regulations for 'best in class' product stewardship. Companies must keep a close eye on evolving regulations in support of their success and their customers continued business success as well as help them reduce their environmental footprint.

In the end, better data equals better outcomes for the CASE industry and its customers in Canada.

INSIGHT Drops January - February 2024

Members can expect their copy in the mail.

Online versions will be available in early 2024.



Canadian Paint and Coatings Association

Association canadienne de l'industrie de la peinture et du revêtement

Functional Coatings are the Future!

Coatings are **reliable, responsible, and recyclable**. They are also key to **protecting, preserving and providing** for our future. Contact CPCA to share how your coatings product is helping to build back better.

[Share my story](#)



For more extensive details and actions on all the issues please read the comprehensive bi-monthly [Regulatory Radar](#) and/or consult the [Canada CoatingsHUB](#) to search for any issue of interest. The primary goal of the Regulatory Radar and the Canada CoatingsHUB is to ensure full industry compliance with all regulations in Canada.

CPCA Advocacy Efforts Supporting a Stronger Canadian Coatings Industry

- Federal Court of Canada Rules Unlawful the Order Declaring Plastic Manufactured Items as Toxic in Canada
- Government Proposes Prohibitions for Certain Products Containing Coal Tars and PAHs
- CPCA Members Respond to Health Canada Notice of Intent to Propose New Human Hazards of Concern Requirements for Consumer Products
- Transport Canada Finalizes Regulations Requiring to Register Dangerous Goods Personnel and Sites
- Government Consulting on Its Supply Chain Regulatory Review
- CPCA Holds its Annual Christmas Luncheon on December 6, 2023

Federal Court of Canada Rules Unlawful the Order Declaring Plastic Manufactured Items as Toxic in Canada

The Federal Court quashed the May 2021 Order adding Plastic Manufactured Items to Schedule 1 and all litigation costs of the plaintiff will be reimbursed by the Government. This was done despite the fact that the Government heard from more than 150 industry groups and companies that such a move designating 'products' and not just 'chemicals' toxic was against existing federal legislation established over many years. But declaring the Order unlawful does not go as far as deleting PMI from Schedule 1 of CEPA, which may lead to further complications. It is left to the discretion of the Governor in Council. This decision serves as a rare rebuke of Cabinet decision making and the Federal Government already confirmed that it intends to appeal. Nevertheless, this may have some repercussions on the Government's plastic strategy and any new initiatives going forward.

Back in 2020, CPCA filed comments, as did many others, regarding the Government's Proposed Integrated Management Approach to Plastics arguing that plastic is not a substance and plastics are not toxic. Despite these grave concerns by CPCA and many other organizations, the federal government went ahead with the designation of all plastic manufactured products as toxic in Schedule 1, mainly due to their individual plastic components, thereby adding "plastic products as a whole" to Schedule 1. Recall the Supreme Court ruled unconstitutional another decision related to the Environmental Impact Assessment Act several weeks earlier. Some have argued that not basing such decisions on science and the substantive intent of existing legislation has politicized the decision-making process, which will likely lead to regulatory litigation on federal decisions in future.

Government Proposed Prohibitions for Certain Products Containing Coal Tars and PAHs

The main objective of the proposed Regulations published in the Canada Gazette Part I is to prohibit the manufacture, import and sale of certain coal tar-based sealant products and certain sealant products containing PAH levels above 1 000 ppm in Canada. The prohibition also addresses 2-Butoxyethanol, a legacy substance, for which final regulations were published in 2006. Coal tars were added to Schedule 1 in 2021.

CPCA alerted all in the CASE industry (Coatings Adhesives Sealants and Elastomers) regarding these new requirements and their possible coming into force date and noted that it will hold an informational webinar with government regulators for members early next

year. The proposed Regulations provide a temporary exemption for the sale and offer of talc-based sealant products for industrial use on metal, structural concrete components or on pipelines or other buried services until 2028.

CPCA Members Respond to Health Canada Notice of Intent to Propose HHHOCs Requirements for Consumer Products

Earlier this fall, Health Canada pre-consulted on a regulatory initiative that would introduce requirements for certain human health hazards of concern (HHHOCs) in consumer chemical products under the *Canada Consumer Product Safety Act*. Any future regulatory proposal will be in the *Canada Gazette, Part I* in due course, but industry must make its views known well in advance of a more formal publication in the *Canada Gazette*. Health Canada would like to mitigate risks from those HHHOCs substances not only from an adverse health effect from acute exposure but also as a result of long-term or intermediate exposure. The proposed changes will impose new classification criteria based on those set out in the GHS (Globally Harmonized System), as well as new information disclosure on the consumer labels and additional protection. Health Canada was also looking for feedback from industry regarding possible support for the use of a 'peel-back label' to contain the additional information.

CPCA questioned how Health Canada will be able to make consumers read labels more than they do right now and even look further behind the outer label with a peel-back label. CPCA reminded officials about the Cabinet Directives regarding barriers to trade and recommended the development of a clearer policy framework, which would include real data supporting such rationale prior to a publication in the Canada Gazette. Additionally, CPCA mentioned that any progress towards any GHS implementation in Canada should be done with close coordination with the US to avert import/export complications with Canada's largest trading partner.

Transport Canada Finalizes Regulations Requiring Registration of Dangerous Goods Personnel and Sites in a New National Database

The new regulation amends the Transport of Dangerous Goods Regulations to require certain data relating to dangerous goods activities through a mandatory registration for classes of DGs offered for transport from a site. Site information collected through the new regulatory database will better inform TC's decision-making and help TC administer and enforce DG transportation consistently and appropriately according to risks across the sector. In turn, this may reduce the likelihood and severity of incidents and accidents. The regulations came into force at the end of October and were followed by a one-year transitional period.

CPCA sent a compliance alert to all its members regarding these new obligations and notified them when the new Transport Canada Client Identification Database platform went live. CPCA had previously sent comments during the pre-consultation asking for clarification in the definitions to avoid duplication and minimize the administrative burden on industry.

Government Consulting on Its Supply Chain Regulatory Review

The Government's Supply Chain Regulatory Review will examine federal regulations and regulatory practices, with a view to better support the movement of commodities and goods in Canada and across the border. Then the Government will develop a Regulatory Roadmap, outlining initiatives to improve the regulatory system and better support economic growth and innovation. The consultation focuses on how to address supply chain efficiency in border operations, transportation, and critical minerals for all industrial sectors, including the chemical sector. Initiatives could also include proposed changes to regulations or enabling legislation, as well as updated policies, practices, guidance, or tools.

CPCA invited all its members to share their views and suggestions with Treasury Board as to how to improve supply chain efficiency prior to the deadline of mid-January.

guests, and industry stakeholders to CPCA's Annual Sip & Savour – Board of Directors Christmas Luncheon. The Christmas Luncheon will take place December 6, 2023, from Noon until 3:00 p.m. at the Toronto Hilton Airport Hotel in the Vista Salon following the Board of Directors Meeting being held in the morning from 9:00 a.m. until noon.

CPCA Board Members hold this festive event to thank all those manufacturer and supplier representatives who have supported the Association's efforts during the past year and to underline the importance and vibrancy of Canada's CASE industry. It is an excellent opportunity for networking as well as to raise funds for a worthy cause, Sick Kids in Toronto.




Canadian Coatings Conference
 MAY 22 - 24, 2024 OLD MONTRÉAL


WILLIAM GRAY

Registration Opens
January 1, 2024
 Visit canpaint.com for details

CPCA IN THE NEWS



Effectively Preserving Functional Products in Canada

Biocide preservatives contained in many products including paint, coatings, adhesives & sealants are critical to prevent spoilage of critical construction products, like a coating, and the many surfaces to which they are applied. It's one of those things that we take for granted. That the stain on your deck will extend the life for many years or the paint on your car will outlast many winters. Without a biocide preventing contamination of those products, neither your deck nor your car's protective coating will last many Canadian

contribution to sustainability from coatings. **Coatings preserve and protect many valuable assets and reduce the use of both renewable and non-renewable resources in Canada.**





Canadian Paint
and Coatings
Association

Association canadienne
de l'industrie de la peinture
et du revêtement

Plant a *Tree*. Grow *Clean Air*.


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.

Plant a Tree



TreeCanada
ArbresCanada

GREEN INITIATIVES

Did You Know?

*Coatings have numerous applications for countless substrates on a wide range of manufactured products from automobiles to packaging to road markings. What's remarkable about the **environmental advances** in coatings is that they are **engineered for best-in-class performance** providing **protection and superior quality** to the countless finished goods we use every day. This means protection from degradation such as corrosion, abrasion, high or low temperatures, ultraviolet rays, moisture, and microbes. All of these enhance the life-cycle of valuable assets and **improves product stewardship and sustainability.***

PPG Partners with 'Facts on Climate Change' For Environmental Sustainability Education

PPG is partnering with the Czech organization "**Facts on Climate Change**" to launch the *Atlas of Climate Change* project, which is part of PPG's global commitment to invest \$5 million in environmental sustainability education by 2030. The flagship project, formerly offered in Czech, will be translated to reach a broader audience. PPG's other initiatives include a podcast series and new educational materials for teachers.

BASF Launches Renewable Sourced Acrylic Binders for Architectural Coatings

new BASF acrylic binders into paint formulations, BASF customers can significantly **reduce the product carbon footprint** in their can of paint.

AkzoNobel to Invest in Coatings Technology to Support Beverage Can Industry Transition & to Build New Bisphenol-free Coatings Plant in Spain

The beverage can industry's ongoing efforts to move to products free from materials of concern are being boosted by **AkzoNobel's Packaging Coatings business**, which has just launched its first two products in its new Accelstyle™ range. Designed for the exterior of conventional two-piece aluminum beverage cans, both are free from bisphenols, styrene and PFAS (per- and polyfluoroalkyl substances). AkzoNobel's new plant in Spain to be operational in 2025 will produce bisphenol-free coatings for the metal packaging industry in Europe, Middle East and Africa (EMEA).

DOW Introduced Materials Ecosystem

The materials ecosystem is Dow's approach to a better way to **make, use, and reuse plastics**. It is a web of interrelated technologies, processes, and people that transform plastic waste and renewable waste.

MEMBER RECOGNITION



Product Care Leadership Update: Patrick Chauvet to Retire on December 31, 2023

Product Care Recycling announces the retirement of **Patrick Chauvet, Director of Ontario Programs, effective December 31, 2023**. Patrick will continue to support Product Care on a consulting basis into 2024. Product Care is delighted to announce the promotion of Holly Lafontaine, an experienced professional within the organization and the industry, who assumes the role of Director of the Ontario Programs since November 20th.

BASF Won Canada's Safest Chemistry Employer Award for 2023 & BASF Process Catalysts Research Team Received 2023 Edison Patent Award for Novel Adsorbents & BASF Alabama Site Received Environmental Stewardship Award

- **BASF won the award of the category designed to recognize an employer within the chemistry industry that has an exemplary health and safety record.**
- **A team of catalysis researchers were recently recognized by the Research & Development Council of New Jersey, with the prestigious 2023 Edison Patent Award for their patent addressing adsorbents and how to remove impurities from industrial processing streams.**
- **BASF's facility in Alabama received the 2023 Environmental Stewardship Award from Partners Environmental Progress.**

Benjamin Moore Scuff-X Named Innovation of the Year

CBRE Global Workplace Solutions announced the winners of its 2023 Supplier Innovation Challenge for North America. Benjamin Moore won the Innovation of the Year category for Scuff-X. These low VOC formulas now feature patented scuff and chip-resistant technologies that deliver unmatched durability, even in the most challenging high-traffic environments, and resist scuffing before it starts.

Sherwin-Williams Wins Notable Vaaler Award for Heat-Flex Coatings

Sherwin-Williams' new Protective & Marine line of Heat-Flex CUI-mitigation coatings earned one of the three **Vaaler Awards** from **Chemical Processing** for its ability to mitigate

Dow Employees Recognized by the 2023 Leading LGBTQ+ Role Model Lists

Compiled by INvolve, a global network that celebrates and supports LGBTQ+ executives and allies, the Leading LGBTQ+ Role Model Lists acknowledges the contributions of **Dow leaders for demonstrating advocacy in their respective fields**, and playing a vital role in championing diversity, equity, and inclusion within the company.

IMCD Canada Appoints Johann Milchram as Managing Director

Effective February 1, 2024. **Johann Milchram** will assume his new role upon the January 2024 retirement of Michael Staley, managing director of IMCD Canada.

We want to know!

Your News Stories are Important - Help Us Share Your Successes.

Please share with CPCA appointments, awards, and special recognition in your company.

Share my News

CANADIAN ECONOMY



Manufacturing Accounts for Approximately 9 Percent of Canadian GDP, equivalent to CAN\$194B in 2022

According to EDC, the overall trade performance of the manufacturing sector has been impacted by deficits greater than \$30 billion in transportation equipment, computer and electronics, chemicals, and machinery in 2022. Trade surpluses were noted in wood, food, non-metallic minerals, paper, and petroleum and coal products. The manufacturing sector contributed about 57% of total annual merchandise exports in 2022. It employed about 1.8 million people in 2022 (nearly 9% of Canada's labour force). **See Canada's manufacturing subsectors** having the potential to increase in economic importance over time.

Global Economic Outlook: Inflation Pulls Back, Growth Underwhelms

Slowing domestic demand, coupled with weaker growth out of our largest trading partner will result in gross domestic product growth of 1.3% in 2023 and 0.6% in 2024 for Canada. Weak global demand and an unstable NA economy may require companies to adapt, innovate, and make tough choices in 2024. With Canadian consumers more heavily indebted, facing **an 181% debt-to-income ratio**, higher interest rates pose an even greater challenge to Canadian consumers in 2024. While Canada's labour market has begun to stall, overall unemployment is ticking up.

Changes Are Happening!

The Canada CoatingsHUB will undergo major changes to enhance the user experience and overall performance. Members are encouraged to update their accounts or contact CPCA if they want to create an account.

Contact CPCA

TECH INNOVATIONS



New Cooling Paint Technologies

- **Researchers Develop Glass Coating to Stop Heat Absorption in Buildings**
The **new passive radiative cooling technology**, a microporous glass coating, can lower the temperature of the material beneath it by 3.5 degrees Celsius at noon and has the potential to **reduce a mid-rise apartment building's yearly carbon emissions by 10%**.
- **Shrimp, Crab Shells Used for Cooling Coating**
A research team has developed an **eco-friendly radiative cooling film** and coating technique using waste from shrimp and crab shells.

Innovative Antimicrobial Coatings

- **Boeing and Queensland University Trialled innovative antimicrobial Coatings on ISS**
Boeing has initiated a groundbreaking project on the **International Space Station (ISS)** with University of Queensland researchers to enhance the safety and hygiene of long-term space missions. They have designed a specialized polymer coating to combat the spread of bacteria and viruses.
- **Customizing Nanoparticles to Target Tumors, Viruses and Toxins**
California engineers have created **modular nanoparticles** that are easily customizable to target viruses, cancers, or toxins. As the nanoparticles' surface is designed to accommodate any desired biological molecule, they can be customized for a variety of uses, such as neutralizing biological agents.

Roundtable Q&A: Road Markings and Traffic Paints

With autonomous vehicles imminent, road authorities must support both the human driver and the machine driver of tomorrow. The emerging autonomous vehicles trend is steering the need for "smarter" road markings and requires improvement of lane markings from 4 to 6 inches with **high-quality paint** and the ability for vehicles to interact with them via intelligent street marking. The number one trend in traffic paint is enhancing driver safety with paints that are more retroreflective, sustain harsher weather conditions, and can be

Superhydrophobic Coatings

- **Eco-friendly Underwater Coating**

Superhydrophobic coatings have applications in drag reduction, antifouling and other fields. A new paper reports a superhydrophobic polyurea/TiO₂ composite coating with rapid self-healing ability by simple sprinkling or spraying of modified TiO₂ nanoparticles on the brushed polyurea coating.

- **Wind Turbines Coating for Anti-icing Applications**

Extremely cold and harsh weather makes the **blade surface of wind turbines easy to freeze**, which affects the wind power capacity. A new bilayer epoxy-based nanocomposite coating that consists of an electrothermal and superhydrophobic layer has been developed for anti-icing/deicing.

- **Transparent Superhydrophobic Film with Excellent Self-cleaning and UV Resistance for Photovoltaic Panels**

The **annual power generation efficiency** of covered PV panel increases by 66.89 % higher than that of the pristine PV panel.

- **Photocatalytic Superhydrophobic Coating**

A fluorine-free photocatalytic coating with **long-lasting anti-corrosion performance** and excellent antibacterial ability was developed by a simple spraying method.



Members
Only

STATISTICS
and **RESEARCH**
REPORTS



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MERGER
and **AQUISITION**
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CPCA's DIY Centre has everything you need from *tutorials* to *inspiration* so you can *paint-it-yourself*.

Visit canpaint.com/piy-centre



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